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**All data, including phase data, are available on CD-ROM/DVD-ROM  
and from the internet - <http://www.isc.ac.uk>**

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## Addendum I

From data-month September 2002 onwards, the printed ISC Bulletins have been generated directly from the ISC Relational Database.

From data-month October 2002, a new location program ISCloc has been used in operations. Also, the IASPEI standard seismic phase list has now been adopted by the ISC, please see the last pages of this Bulletin for details.

From data-month January 2003 onwards, an updated regionalisation scheme has been adopted (Young, J.B., B.W. Presgrave, H. Aichele, D.A. Wiens, E.A. Flinn The Flinn-Engdahl Regionalisation Scheme: the 1995 Revision, Physics of the Earth and Planetary Interiors 96 (1996), 223-297)

These developments have prompted the need to review and revise the format of the Bulletin.

The following example illustrates the changes :-

## September 2002

```

NEIC 01 18:45:41.7±1.7,21.70S×179.55W,h600km,mb4.6/6,
Error ellipse: s-maj=75.5km s-min=25.7km az=151.0
IDC 01 18:45:46.3±2.6,21.76S×179.70W,h627km,37km,mb3.5/4,
mb1 3.7/4,mb1mx3.2/14,Error ellipse: s-maj=83.2km
s-min=20.6km az=159.0
ISC 01 18:45:43.1±2.7,22.3S;02×179.6W;03,h613km,42km,
n22,r1515/21,mb4.4/9,1C,South of Fiji Islands
Code Station Name Δ° AZ° Phase ID Time Res
h m s ISC
HBZ Hicks Bay 15.41 186 eP P 18 48 53.1 -1.7
URZ Urewera 16.21 189 P P 18 49 01.5 -0.9
MRZ Mangatoinoka R 18.81 192 eP P 18 49 26.7 0.0
DIW D'Urville Isla 19.30 195 eP P 18 49 27.3 -3.9
CAW Cannon Point 19.34 192 eP P 18 49 31.7 +0.1
OTW Orongorongo Tu 19.52 192 eP P 18 49 33.0 -0.2
MCW Moikau 19.61 192 eP P 18 49 35.5 +1.5
THZ Tophouse 20.46 196 eP P 18 49 42.0 +0.2
KHZ Kahutara 20.93 194 P P 18 49 46.2 +0.2
ARMA Armidale 27.03 246 eP P 18 50 42.4 +2.3
CTA Charters Tower 31.93 267 P P 18 51 22.3 +0.4
13nm,0.5s,mb4.8
STKA Stephens Creek 35.75 246 eP P 18 51 55.3 +1.8
3.1nm,0.4s,mb4.2
ASAR Alice Springs 42.74 259 P P 18 52 50.1 +0.3
9.8nm,0.5s,mb4.6,baz=92,slow=8.2,SNR=47
ASAR S 18 58 31.3 -0.1
1.0nm,0.8s,baz=95,slow=15,SNR=5.7
ASPA Alice Springs 42.74 259 eP P 18 52 50.1 +0.2
WRA Warramunga Arr 42.96 264 P P 18 52 51.0 -0.7
1.8nm,0.3s,mb4.0,baz=96,slow=7.8,SNR=93
WRA S 18 58 33.0 -1.5
0.3nm,0.9s,baz=99,slow=14,SNR=3.0
KAKA Kakadu 46.64 273 eP P 18 53 18.2 -1.8
14nm,0.4s,mb4.8
FITZ Fitzroy Crossi 51.39 264 eP P 18 53 54.3 -0.7
12nm,0.3s,mb4.8
MBWA Marble Bar 56.08 259 eP P 18 54 27.1 -0.7
11nm,0.6s,mb4.2
CMAR Chiang Mai Arr 89.35 290 P P 18 57 38.1 +1.0
1.3nm,0.8s,mb3.8,baz=135,slow=3.1,SNR=8.1
ARCES ARCESS Array B 130.36 349 PKP PKP 19 03 43.7 -0.5
0.7nm,0.6s,baz=282,slow=4.2,SNR=3.5
FINES FINES Array B 137.02 342 PKP PKP 19 03 57.3 +0.5
3.7nm,1.1s,baz=158,slow=3.2,SNR=5.4
MLR Muntele Rosu 148.85 324 PKPbc PKP 19 04 22.7 +5.2
0.2nm,0.7s,baz=1.2,slow=23,SNR=2.3

```

## Epicentral Estimates

Origin times - The superscripts have been removed and a simpler format adopted.

Magnitudes - All magnitudes that were reported to the ISC are now shown. Only two per agency were allowed in the past.

Error Ellipses - The keywords have been shortened.

## Observational Data

The station code, station name, epicentral distance and azimuth are all shown in **bold** for Initial phases. For Secondary phases, only the station code (in normal font) is repeated.

Phase ID's - The Operator's identification is shown in normal font. The Operator's residual is no longer printed. When the arrival time of an initial or secondary phase has contributed to the location - the ISC's identification, the arrival time and the ISC's travel-time residual are all shown in **bold**.

Phase Parameters - The following parameters are included on supplementary lines where appropriate :-

Component, amplitude and period (or logA/T) - reported by the Operator.

Station magnitude estimate - computed by the ISC.

Slowness, Back-Azimuth, Signal-to-Noise ratio - measured by the Operator.

## Addendum II

From data-month January 2006 the ISC hypocentres are computed using the AK135 earth velocity model ( Kennett, B.L.N. Engdahl, E.R. & Buland R., 1995. Constraints on seismic velocities in the Earth from travel times, Geophys J Int, 122, 108-124; B.L.N. Kennett, 2005. Seismological tables: ak135. Research School of Earth Sciences, the Australian National University, Canberra ) and then reviewed by the ISC seismologists. The ISC still produces the hypocentre solutions based on Jeffreys-Bullen travel time tables (agency code ISCJB), yet these solutions are no longer reviewed.

The ISC is planning to re-compute the entire ISC dataset using AK135 once new location procedures are designed, tested, discussed and approved by the ISC Governing Council. Until that time the automatic ISCJB locations will continue to be produced alongside the AK135 solutions to observe the long-time continuity of the ISC Bulletin.

## Addendum III

From data month January 2009 the ISC hypocentres are computed using the new ISC location algorithm and all reported IASPEI seismic phases, for which ak135 predictions are available. This algorithm is described in: Bondár, I. and D.A. Storchak (2011), Improved location procedures at the International Seismological Centre, Geophys. J. Int., 186, 1220-1244, doi:10.1111/j.1365-246X.2011.05107.x

The alternative locations based on JB-tables are still produced with the original location algorithm for consistency with the past data. It is still the plan that by the middle of calendar year 2014 all ISC locations (1960-2008) are going to be re-computed with the new location algorithm and ak135 as part of the ISC Bulletin Re-Build project, sponsored by the US NSF and several agencies from Japan, China and India.





IDC 01 00:06:13.6-4.0, 5.21S, 153.26E, h0km, mb3.8/3, mb1 4.0/3, mb1mx3.5/4, mbtmp3.8/3, Error ellipse: s-maj=156.1km s-min=35.1km az=114.0, New Ireland region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ZALV Zalesovo Beam, TORD Torodi A Bea.

SOME 01 00:08:53.1, 42.52N, 79.68E, h25km
KRNET 01 00:08:53.3-0.0, 42.58N, 79.63E, h15km, mb2.8
NINC 01 00:08:53.0-0.0, 42.58N, 79.61E, h0km, mb2.9, mpv2.8, Error ellipse: s-maj=4.8km s-min=2.4km az=137.0

ISC 01 00:08:53.2, 1.5, 42.58N, 105.79, 61E, 0.04, h9km, 1.1km, n41, c086/72, 13C-4D, Lake Issyk-Kul region

Main table of station data for the left column, including SHLS Shalkode, UZB Uzynbulak, PDGK Podgornoye, PRZ Przheval'sk, SATY Saty, KTMS Ketmen, KURS Kuram, MNBS Baschi, KDJ Kajisay, KOTS Kotyrbulak, MDOK Medco, TNSS Tian-Shan, ARXS Arharly, IZV Izvestkoviy, CHKK Chushkaly, and KTBS Karatobe.

Table of station data for the middle column, including KTBS Karatobe, BOOM Boomsokoye usch, TKM2 Tokmak 2, AAK Ala-Archa, AAK Mananchi Array, and MK31 Mangataina R.

BUJ 01 00:18:03.1, 11.06S, 165.96E, h6km, mb5.4/6, mb4.8/50, MS5.2/45, Ms7.4/94
IDC 01 00:18:05.0-0.4, 11.01S, 165.59E, h0km, mb4.7/21, mb1 4.9/23, mb1mx4.8/31, mbtmp4.7/23, ML5.4/2, MS4.9/21, Ms1 4.9/21, ms1mx4.6/38, Error ellipse: s-maj=16.7km s-min=13.2km az=93.0
NEIC 01 00:18:07.2-2.6, 10.96S, 165.48E, h11km, 16km, mb4.9/46, Error ellipse: s-maj=5.6km s-min=4.7km az=106.0
ISCJB 01 00:18:08.4-0.1, 10.98S, 0.03, 165.43E, 0.03, h30km, mb4.8/71, MS5.0/32, Error ellipse: s-maj=4.2km s-min=3.6km az=25.7
GCMT 01 00:18:12.2-0.1, 11.18S, 0.01, 165.31E, 0.01, h21km, MN5.4/115, Moment Tensor Solution, s102.c185; s115.c180; Duration: 1s2 Moment tensor: Scale 10^17 Nm; Mn:0.96e+02; Mo:0.66e+02; Mr:0.30e+02; Mo:0.88e+04; Ms:0.50e+01; Mr:1.00e+04; Best double couple: Mo1.65700e+1017 NP1:136.000000; 872.000000; 7.97.000000. NP2:294.000000; 819.000000; 7.69.000000. Principal axes: T 1.6500, Plig62.0000, Azm57.0000; N 0.0120, Plig7.0000, Azm314.0000; P -1.6630, Plig27.0000, Azm220.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 01 00:18:10.2-0.3, 11.06S, 165.54E, 0.05, h30km, n296, c165/313, mb4.8/71, MS5.0/33, 2D, Santa Cruz Islands

Main table of station data for the middle column, including HNR Honiara, DZM Mont Dzumac, MSFV Mafate, TARAWA Tarawa, EIDS Eidsvold, KWAJ Kwajalein Atoll, MANU Manus Island, CTA Charters Tower, CTAO Charters Tower, MTSU Mount Surprise, COEN Coen, RMQ Roma, ARMA Armidale, OUZ Omaha, QLP Quilpie, MGCD Mangrove Creek, JAY Jayapura, RIV Riverview, QIS Mount Isa, CMSA Cobar Meteorol, HAZ Te Kaha, URZ Urewera, URZ Urewera, MWZ Matawai, PUZ Pukearihi, H11S2 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, NGZ Ngaurua, H11S1 WAKE ISLAND Hy, SNGZ Shannon Statio, BKZ Black Stump Fm, MILA Mila, BHZH Black Hill Sta, KWHZ Kaweka Forest, KNZ Kokohu, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, STKA Stephens Creek, KAHZ Kahuranaki, PXZ Pawanui, DVHZ Dannevirke, H11N1 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N2 WAKE ISLAND Hy, MRZ Mangataina R, KIWI Kapiti Island, BAKI Biaki, BFZ Birch Farm, BFZ Birch Farm, HOWZ Holdsworth Sta, TCW Tory Channel, CAV Cannon Point, MTW Mount Morrison, and THZ Topohue.

Main table of station data for the right column, including THZ Topohue, WRAB Warramunga Arr, WB2 Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, BHW Baring Head, THO Toolangi, KHZ Kahutara, KHZ Kahutara, LTZ Lake Taylor, FOZ Fox Glacier, ASO1 Alice Springs, ASO1 Alice Springs, ASO1 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, RPZ Rata-Peaks, JCY Jackson Bay, HHT Hallett, MOZ McQueen's Vall, LBZ Lake Benmore, BBOO Buckleboe, KNRA Kunurra, WRKA Warakurna, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, PPT Papeete, PPT2 Papeete2, PPT2 Papeete2, TBI Tubuai, TBI Tubuai, TBI Tubuai, MBWA Marble Bar, MPSI Mapaga, MEEK Meekatharra, KLBR Kellerberrin, BLDU Ballidu, NWAO Narrogin (SRO), NWAO Narrogin (SRO), MORW Morawa, MORW Morawa, TAOE Nuku Hiva Isla, TAOE Nuku Hiva Isla, PCJ Pacitan, MJAR Matsushiro Arr, MAJO Matsushiro, MAT Matsushiro, MJB9 Matsushiro, JNU Natsuse, LEM Lembang, RKT Rikitea, RKT Rikitea, KRSR Korea Array, KRSR Korea Array, NJ2 Nanjing, NJ2 Nanjing, QIZ Qiongzong, QIZ Qiongzong, USRK Ussuriysk Arr, WHN Wuhan, WHN Wuhan, WHN Wuhan, PETK Petropavlovsk, MDJ Mudanjiang, MDJ Mudanjiang, MDJ Mudanjiang, DL2 Dalian, DL2 Dalian, DL2 Dalian, SNY Shenyang, SNY Shenyang, SNY Shenyang, SNY Shenyang, CN2 Casey, CASY Casey, VNSA Vanda, VNSA Vanda.



HNR		eSn	Sn	00 45 28.8 -2.8
HNR	Honiara	5.75 287 Pn	Pn	00 44 26.5 0.0
	49nm,0.3s,baz=180,slow=5.1,SNR=4.3			
HNR		eSn	Sn	00 45 30.5 -1.0
	22nm,0.3s,baz=348,slow=19,SNR=5.6			
HNR		LR	LR	00 46 47.7
	comp=Z,10um,21.9s,baz=111,slow=40			
DZM	Mont Dzumac	10.89 176 ePn	Pn	00 45 38.0 +0.8
	167nm,1.2s			
DZM		eLQ	LQ	00 47 42.0
	7um,22.9s			
DZM		eLR	LR	00 48 10.5
	comp=Z,6um,25.1s			
DZM		Pn	Pn	00 45 37.5 +0.4
	10.89 176 Pn			
	7.5nm,0.3s,baz=357,slow=11,SNR=63			
DZM		Sn	Sn	00 47 35.3 -2.9
	0.3nm,0.3s,baz=343,slow=19,SNR=1.5			
DZM		LR	LR	00 49 12.4
	comp=Z,5um,19.8s,baz=356,slow=34			
FUNA	Funafuti	13.72 80 ePn	Pn	00 46 19.2 +3.6
TARA	Tarawa	14.44 31 ePn	Pn	00 46 22.3 -3.2
EIDS	Eidsvold	19.68 222 eP	P	00 47 28.5 -1.4
	15nm,0.8s			
MANU	Manus Island	20.17 295 eP	P	00 47 36.1 +0.8
	237nm,1.0s			
CTA	Charters Tower	20.56 242 P	P	00 47 40.3 +0.7
	30nm,0.8s,baz=70,slow=13,SNR=26			
CTA		LR	LR	00 55 00.1
	comp=Z,5um,18.0s,baz=70,slow=35			
CTAO	Charters Tower	20.56 242 eP	P	00 47 40.5 +0.9
COEN	Coen	22.00 260 eP	P	00 47 55.3 +0.3
	47nm,1.1s			
URZ	Urewera	28.92 161 P	P	00 48 59.6 +0.1
	13nm,0.8s,baz=281,slow=4.1,SNR=5.4			
H1S2	WAKE ISLAND Hy 29 48	2 T	T	01 19 33.1
	baz=181,slow=76,SNR=4.8			
H1S3	WAKE ISLAND Hy 29 48	2 T	T	01 19 33.3
	baz=181,slow=76,SNR=4.8			
H1S1	WAKE ISLAND Hy 29 49	2 T	T	01 19 48.8
	baz=181,slow=76,SNR=4.8			
BKZ	Black Stump Fm	29.56 163 eP	P	00 49 05.7 +0.4
	24nm,0.8s			
STKA	Stephens Creek	30.22 223 P	P	00 49 11.6 +0.4
	4.5nm,0.6s,baz=33,slow=10.0,SNR=11			
STKA		LR	LR	01 01 32.9
	comp=Z,4um,18.4s,baz=52,slow=37			
H1N1	WAKE ISLAND Hy 30 70	3 T	T	01 21 12.7
	baz=182,slow=76,SNR=32			
H1N3	WAKE ISLAND Hy 30 70	3 T	T	01 21 09.0
	baz=182,slow=76,SNR=32			
H1N2	WAKE ISLAND Hy 30 72	3 T	T	01 21 14.0
	baz=182,slow=76,SNR=26			
BFZ	Birch Farm	30.00 164 eP	P	00 49 16.9 -0.2
	34nm,1.0s			
SNZO	South Korori	31.11 167 eP	P	00 49 19.7 +0.9
THZ	Tophouse	31.17 169 eP	P	00 49 20.8 +1.3
	19nm,0.8s			
WRAB	Tennant Creek	31.24 250 eP	P	00 49 19.2 -1.1
WB2	Warramunga Arr	31.24 250 eP	P	00 49 19.0 -1.3
WRA	Warramunga Arr	31.25 250 P	P	00 49 19.4 -1.0
	14nm,1.0s,baz=83,slow=5.1,SNR=36			
WRA		PcP	PcP	00 52 14.9 +0.2
	1.2nm,0.7s,baz=77,slow=2.8,SNR=5.2			
WRA		S	S	00 54 28.9 +3.6
	0.5nm,0.8s,baz=86,slow=12,SNR=2.9			
WRA		LR	LR	01 00 42.3
	comp=Z,2um,21.8s,baz=80,slow=34			
GUMO	Guam	32.00 320 LR	LR	01 01 49.3
	comp=Z,2um,18.7s,baz=242,slow=85			
LTZ	Lake Taylor	32.06 171 eP	P	00 49 28.7 +1.4
	16nm,0.9s			
ASO1	Alice Springs	32.51 243 eP	P	00 49 30.7 -0.9
ASO1		ePcP	ePcP	00 52 17.9 -0.2
OXZ	Oxford	32.55 171 eP	P	00 49 31.9 +0.4
	12nm,0.7s			
AS31	Alice Springs	32.55 243 eP	P	00 49 31.3 -0.6
	1.9nm,0.8s			
ASAR	Alice Springs	32.55 243 P	P	00 49 30.4 -1.5
	3.6nm,0.6s,baz=70,slow=9.9,SNR=32			
ASAR		PcP	PcP	00 52 18.2 0.0
	2.4nm,0.9s,baz=80,slow=3.8,SNR=4.2			
ASAR		LR	LR	01 01 47.8
	comp=Z,2um,20.3s,baz=76,slow=35			
RPZ	Rata Peaks	32.80 173 P	P	00 49 33.8 +0.1
	7.5nm,0.8s,baz=15,slow=12,SNR=4.7			
RPZ		LR	LR	01 02 03.3
	comp=Z,3um,18.4s,baz=344,slow=35			
MQZ	McQuarrie Vall	33.02 170 eP	P	00 49 36.3 +0.7
	15nm,0.8s			
RAR	Rarotonga	34.72 111 LR	LR	01 01 05.8
	comp=Z,2um,21.0s,baz=278,slow=31			
FITZ	Fitzroy Crossi	39.15 255 P	P	00 50 27.0 -1.4
	3.9nm,0.7s,baz=207,slow=11,SNR=2.3			
PPT	Papeete	43.88 104 LR	LR	01 08 20.7
	comp=Z,2um,18.1s,baz=266,slow=35			
PPT2	Papeete2	43.88 104 eS	S	00 57 42.6 +5.5
	942nm,24.8s			
PPT2		eLQ	LQ	01 01 32.9
	2um,27.8s			
PPT2		eLR	LR	01 03 24.6
	comp=Z,2um,21.5s,baz=278			
TBI	Tubuai	44.49 112 eS	S	00 57 52.0 +6.3
	822nm,26.2s			
TBI		eLQ	LQ	01 01 46.8
	3um,30.0s			
TBI		eLR	LR	01 03 44.0
	comp=Z,2um,26.5s,baz=282			
MBWA	Marble Bar	44.96 251 eP	P	00 51 15.4 -0.5
JAGI	Jagaj, Banyuwa	50.65 268 eP	P	00 52 00.5 +0.4
	23nm,1.0s			
TAOE	Nuku Hiva Isla	53.49 93 eS	S	00 59 58.6 +5.9
	903nm,25.8s			
TAOE		eLR	LR	01 07 52.3
	comp=Z,1um,22.9s			
MJAR	Matsuiro Arr	53.97 333 P	P	00 52 21.5 -2.8
	2.2nm,0.8s,baz=162,slow=8.2,SNR=3.5			
JNU	Nakatsue	55.04 324 P	P	00 52 31.1 -1.1
	3.9nm,0.7s,baz=207,slow=11,SNR=2.3			
LEM	Lembang	57.25 269 P	P	00 52 48.6 -0.2
	18nm,0.8s,baz=302,slow=9.9,SNR=3.9			
RKT	Rikitea	57.75 110 eLQ	LQ	01 07 24.7
	1um,29.5s			
RKT		eLR	LR	01 09 53.2
	comp=Z,2um,24.2s			
ASAJ	Asahikawa	58.82 341 P	P	00 52 58.5 -0.3
	3.5nm,0.3s,baz=219,slow=19,SNR=2.8			
KSRS	Korea Array	59.84 326 P	P	00 53 05.6 -0.4
	0.8nm,0.6s,baz=142,slow=6.2,SNR=3.0			
KSAR	Wonju Array Be	59.86 326 P	P	00 53 05.5 -0.5
NJ2	Nanjing	61.95 316 eP	P	00 53 21.9 +1.6
	comp=Z,9.0nm,0.5s			
NJ2		LR	LR	01 00 46.3
	comp=N,660nm,16.3s			
NJ2		LR	LR	01 00 46.3
	comp=E,880nm,17.9s			
NJ2		LR	LR	01 00 46.3
	comp=Z,870nm,17.9s			
QIZ	Qiongzong	62.54 298 P	P	00 53 26.9 +2.3
QIZ		S	S	01 01 58.4 +7.7
	comp=Z,19nm,1.4s			
QIZ		LR	LR	01 00 46.3
	comp=N,410nm,17.3s			
QIZ		LR	LR	01 00 46.3
	comp=E,390nm,23.1s			
QIZ		LR	LR	01 00 46.3
	comp=Z,550nm,21.3s			
USRK	Ussuriysk Ar.	62.95 333 P	P	00 53 25.1 -1.7
	2.7nm,0.9s,baz=119,slow=8.6,SNR=3.2			
PETK	Petrovskovsk	64.35 355 P	P	00 53 34.8 -1.1
	2.2nm,0.6s,baz=188,slow=9.7,SNR=3.6			
PETK		LR	LR	01 01 00.5
	comp=Z,377nm,20.3s,baz=169,slow=32			
VN2	Changchun	65.72 329 eP	P	00 53 46.2 +1.2
VN2	66.39 161 P	P	P	00 53 48.1 -0.7
	2.1nm,1.0s,baz=2.8,slow=3.3,SNR=3.2			
VN2		LR	LR	01 20 06.3
	comp=Z,608nm,18.3s,baz=7.0,slow=34			
KLR	Kul'dur	67.07 337 P	P	00 53 52.3 -1.2
	2.8nm,0.8s,baz=99,slow=9.9,SNR=5.5			
PSI	Prapat	67.67 278 P	P	00 53 57.3 -0.9
	2.1nm,0.3s,baz=360,slow=15,SNR=8.5			
GYA	Guiyang	68.30 304 eP	P	00 54 02.9 +1.0
	comp=Z,10.0nm,1.0s			
GYA		Pmax	Pmax	00 54 03.0 -0.8
	comp=Z,10.0nm,1.0s			
GSI	Gunungstigi	68.66 276 eP	P	00 54 03.4 -0.8
	21nm,1.0s			

XAN	Xi'an	70.03 312 P	P	00 54 18.4 +6.0
XAN		Pmax	Pmax	
	comp=Z,6.0nm,0.8s			
XAN		Pmax	Pmax	
	comp=Z,330nm,8.4s			
KMI	Kunming	70.99 302 P	P	00 54 19.7 +1.0
KMI		pP	pP	00 54 23.2 -3.6
KMI		sP	sP	00 54 24.2 -5.7
KMI		S	S	01 03 30.7 +3.8
KMI		SS	SS	01 08 10.3 +3.4
KMI		Pmax	Pmax	
KMI		Pmax	Pmax	
	comp=Z,32nm,0.5s			
KMI		LR	LR	00 54 19.5 -1.1
	comp=Z,230nm,5.4s			
KMI		LR	LR	00 54 19.0 -1.6
	comp=N,230nm,21.8s			
KMI		LR	LR	00 54 19.5 -1.1
	comp=E,460nm,20.4s			
KMI		LR	LR	00 54 19.5 -1.1
	comp=Z,580nm,17.1s			
MA2	Magadan	71.48 352 eP	P	00 54 19.5 -1.1
MA2	Magadan	71.48 352 P	P	00 54 19.0 -1.6
	2.7nm,0.3s,baz=146,slow=15,SNR=2.5			
HHC	Hu-ho-hao-te	71.77 320 eP	P	00 54 23.0 +0.1
HHC		sP	sP	00 54 35.1 +0.5
HHC		S	S	01 03 46.3 +4.9
HHC		Pmax	Pmax	
	comp=Z,12nm,0.8s			
HHC		Pmax	Pmax	
	comp=Z,220nm,6.5s			
HHC		LR	LR	00 54 55.3 +0.3
	comp=N,670nm,15.6s			
HHC		LR	LR	00 48 59.6 +0.1
	comp=E,610nm,15.1s			
HHC		LR	LR	00 54 24.5 +0.1
	comp=Z,540nm,16.4s			
CMAR	Chiang Mai Arr	71.96 294 P	P	00 54 25.1 -1.0
	1.4nm,0.4s,baz=110,slow=4.4,SNR=6.5			
HIA	Hailar	72.36 330 P	P	00 54 27.5 +0.1
CD2	Chengdu	72.50 307 P	P	00 54 31.3 -4.2
CD2		pP	pP	00 54 31.3 -4.2
CD2		PP	PP	00 57 09.0 0.0
CD2		S	S	01 03 51.1 +3.1
CD2		SS	SS	01 08 32.8 +3.3
CD2		Pmax	Pmax	
	comp=Z,10.0nm,0.5s			
CD2		Pmax	Pmax	
	comp=Z,120nm,4.8s			
CD2		LR	LR	00 54 46.5 -1.3
	comp=N,650nm,14.5s			
CD2		LR	LR	00 54 49.7 -1.6
	comp=E,880nm,13.5s			
CD2		LR	LR	00 54 50.9 -0.5
	comp=Z,590nm,11.3s			
SEY	Seymchan	74.56 354 P	P	00 54 38.3 -0.4
	2.0nm,0.9s,baz=110,slow=7.6,SNR=5.8			
LZH	Lanzhou	74.67 312 eP	P	00 54 42.6 +2.4
LZH		pP	pP	00 54 46.5 -1.3
LZH		sP	sP	00 54 49.7 -1.6
LZH		PP	PP	00 57 30.2 +2.6
LZH		eS	eS	01 04 21.3 +6.7
LZH		sS	sS	01 04 28.6 +3.7
LZH		Pmax	Pmax	
	comp=Z,480nm,5.4s			
LZH		LR	LR	00 54 50.7 -0.3
	comp=N,1um,17.9s			
LZH		LR	LR	00 54 50.9 -0.5
	comp=E,560nm,17.4s			
LZH		LR	LR	00 54 50.7 -0.3
	comp=Z,1um,18.4s			
GAMB	Gambell	76.71 10 eP	P	00 54 50.7 -0.3
	16nm,1.2s			
KDAK	Kodiak Island	76.75 22 eP	P	00 54 50.9 -0.5
	14nm,0.7s			
ULN	Ulaanbaatar	78.26 324 eP	P	00 54 58.8 -1.5
	4.7nm,0.9s			
SOM	Sogino Array	78.62 324 P	P	00 55 01.9 -0.3
	3.4nm,0.9s,baz=142,slow=5.1,SNR=7.8			
SOM		LR	LR	01 25 35.2
	comp=Z,394nm,21.4s,baz=116,slow=33			
SONA	Sogino Array	78.63 324 eP	P	00 55 02.0 -0.3
ANM	Nome	78.64 12 eP	P	00 55 02.3 +0.5
	8.4nm,1.2s			
RSO	Redoubt South	78.69 20 eP	P	00 55 01.0 -1.4
BRKL	Bradley Lake	78.81 21 eP	P	00 55 01.9 -1.0
	20nm,0.9s			
QSPA	South Pole Qui	78.86		

1d 1h

TORD Torodi Ar. Bea 164.077 PKP PKPdf 01 03 03.0 -1.5
1.3nm,0.9s,baz=9.7,slow=1.8,SNR=6.2
TORD 1.7nm,1.0s,baz=75,slow=1.9,SNR=5.0

IDC 01 00:45:03.62.8,3011'S;-177.46'W,h0km,mb3.9/3,
mb1 4.1/4,mb1mx3.8/7,mbtmp3.9/4,ML2.3/1,Error
ellipse: s-maj=57.8km s-min=28.1km az=98.0,
Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include RAO, URZ, CTA, ASAR, WRA, FINES.

DJA 01 00:46:50.0,6.9'S;-118.0'E,h118km,9km,M3.8/13,
ML3.8/13,Sumbawa region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include PLAI, WSI, BSI, SRBI, IGBI, EDKI, BFKI, JAGI, BATI.

ISK 01 00:51:42.7,38.62N;43.16E,h15km,4km,ML2.0/7
DDA 01 00:51:43.1,38.65N;43.17E,h7km,2km,ML2.5
ISC 01 00:51:43.4,1.0,38.64N;0.003:43.18E;0.03,h14km,9km,
n14,0072/23,Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include VANB, TVAN, ADCV, ERVC, VMIUR.

MLAZ Malazgir-MUS 0.70 316 PG Pg 00 51 56.7 -0.5
CLDR Caldiran 0.77 48 PG Pg 00 51 58.6 +0.2
CLDR Caldiran 0.82 48 PG Pg 00 52 09.9 +0.8
TUTA Tutak 0.82 340 IP Pg 00 51 58.7 -0.6
GURO Guromak-BITLI 0.90 265 PG Pb 00 52 00.3 -0.6
GURO Guromak-BITLI 0.90 265 PG Pb 00 52 13.3 +0.5
AGRB Hanur-Agry 0.95 351 PG Pb 00 52 01.3 -0.5
AGRB Hanur-Agry 0.95 351 PG Pb 00 52 15.1 -0.9
SRTM Siirt Merkez 1.18 237 IP Pg 00 52 07.9 +1.6
EATA Eleskirt 1.34 337 IP Pb 00 52 08.6 +0.1
EATA Eleskirt 1.34 337 IP Pb 00 52 27.9 +1.3

IDC 01 00:58:51.4,1.5,10.98S;165.45E,h0km,mb3.8/5,
mb1 4.1/6,mb1mx3.7/3,mbtmp3.9/6,ML4.2/1,Error
ellipse: s-maj=50.7km s-min=25.4km az=134.0,
ISCJB 01 00:58:53.9,1.1,11.2S;0.1:165.5E;0.2,h30km,mb3.8/4,
Error ellipse: s-maj=27.0km s-min=19.6km az=25.0,
ISC 01 00:58:55.7,1.1,11.1S;0.2:165.5E;0.2,h30km,n6,
0063/6,mb3.7/4,Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include DZM, CTA, WRA, ASAR, ILAR, YKA.

SOME 01 01:02:07.8,42.53N;79.68E,h15km
KRNET 01 01:02:07.8,42.53N;79.67E,h18km,mb2.3
NMC 01 01:02:07.7,1.0,42.60N;79.65E,h0km,mb2.7,mpv2.5,
Error ellipse: s-maj=5.8km s-min=3.7km az=139.0,
ISC 01 01:02:07.1,9,42.55N;0.06:79.67E;0.05,h7km,14km,
n25,c110/47,7C-11D,Lake Lysky-Kul region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include SHLS, WRA, ASAR, ILAR, YKA.

SOME 01 01:02:07.8,42.53N;79.68E,h15km
KRNET 01 01:02:07.8,42.53N;79.67E,h18km,mb2.3
NMC 01 01:02:07.7,1.0,42.60N;79.65E,h0km,mb2.7,mpv2.5,
Error ellipse: s-maj=5.8km s-min=3.7km az=139.0,
ISC 01 01:02:07.1,9,42.55N;0.06:79.67E;0.05,h7km,14km,
n25,c110/47,7C-11D,Lake Lysky-Kul region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include SHLS, WRA, ASAR, ILAR, YKA, DZM, CTA, WRA, ASAR, ILAR, YKA, MAJO, JKH, OFJU, JIO, JMK, JOM, JOU, JMM, JTH, JRG, JYK, ERM, ERM, MAJO, MAT, MJAR, MJB9, INU, ASAJ, ASAJ, JHJ, JHJ, JHJ, USRK, JNU, KSRS, KSAR, KLR, MA2, SEY.

2013 FEB

baz=29
KTMS Ketmen 1.03 29 eP Pb 01 02 26.7 -0.6
KTMS Ketmen 1.9nm,0.1s eS Sb 01 02 40.2 -0.8
SATY Saty 1.06 299 P S Sg 01 02 27.7 -0.1
SATY 1.5nm,0.1s S Sg 01 02 41.7 +0.5
SATY Saty 1.06 299 eP Pb 01 02 27.7 -0.1
SATY 1.5nm,0.1s eS Sb 01 02 41.7 +0.5
DJR 1.78 3 P Pb 01 02 40.5 +0.3
DJR 0.5nm,0.2s S Sg 01 03 04.1 -0.4
DJR 1.3nm,0.3s 1.78 3 J/P Pb 01 02 40.5 +0.3
DJR 0.5nm,0.2s S Sg 01 03 04.1 -0.4
KDJ Kajisy 1.89 258 J/P Pb 01 02 42.7 +0.6
KDJ baz=57 J/S Sg 01 03 07.8 -0.1
MDOK Medeo 2.02 289 J/Pg Pb 01 02 43.4 -0.8
MDOK 2.1nm,1.0s Lg Lg 01 03 10.3
IZV Izvestkoviy 2.30 283 Pg Pb 01 02 49.6 +0.6
IZV 2.8nm,0.7s Lg Lg 01 03 19.3
ULHL Ulahol 2.56 264J eP Pb 01 02 51.1 -1.3
ULHL baz=64 J/S Sb 01 03 24.3 -0.9
KAPS Kapalarasan 2.74 355 Pg Pb 01 02 56.8 +0.3
KAPS 0.2nm,0.2s Lg Lg 01 03 32.2
KAPS Kapalarasan 2.74 355 eP Pb 01 02 56.8 +0.3
KAPS 0.2nm,0.2s J/S Sg 01 03 32.2 -0.3
BOOM Boomsokoye usch 2.76 270 J/P Pb 01 02 54.5 -2.3
BOOM baz=70 J/S Sb 01 03 28.5 -2.4
TKM2 Tokmak 3.02 278J eP Pb 01 02 58.3 +2.7
TKM2 baz=78 J/S Sb 01 03 35.1 -3.5

IDC 01 01:22:51.2,7.8,13.00N;93.99E,h0km,mb3.7/2,
mb1 3.7/3,mb1mx3.2/52,mbtmp3.7/3,ML4.3/1,Error
ellipse: s-maj=129.5km s-min=57.5km az=3.0,Andaman
Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include CMAR, MKAR, ZALV.

IDC 01 01:25:17.4,1.7,10.99S;165.39E,h0km,mb3.7/6,
mb1 3.9/7,mb1mx3.7/40,mbtmp3.8/7,ML4.3/1,Error
ellipse: s-maj=48.7km s-min=27.5km az=120.0,
ISCJB 01 01:25:20.2,1.1,11.2S;0.1:165.4E;0.2,h30km,mb3.6/5,
Error ellipse: s-maj=27.8km s-min=18.6km az=5.4,
ISC 01 01:25:22.0,1.2,11.1S;0.1:165.4E;0.2,h30km,n7,
0042/7,mb3.6/5,Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include DZM, CTA, WRA, ASAR, SONM, ILAR, MKAR.

IDC 01 01:26:59.0,2.8,38.56N;142.16E,h0km,mb3.8/12,
mb1 4.0/15,mb1mx3.9/47,mbtmp3.8/15,ML3.5/3,Error
ellipse: s-maj=24.3km s-min=15.5km az=111.0,
NIED 01 01:27:00.38,70N;142.20E,h59km,Mw4.1
Best double couple: M0-1.41000;102. NP1:0.212000000,334.000000,
x-1.62,0.000000. NP2:0.107000000,880.000000,
y-1.62,0.000000.
NEIC 01 01:27:01.8,4.1,38.54N;142.17E,h16km,26km,mb4.2/2,
Error ellipse: s-maj=13.5km s-min=8.2km az=114.0,
NEIC Recorded [3 JMA] in lwate.
JMA 01 01:27:04.6,0.1,38.71N;142.21E,h40km,1km,ML4.2
JMA Felt III J1.
ISC 01 01:27:01.9,1.7,38.57N;0.04:142.21E;0.05,h17km,10km,
n57,c1151/60,mb4.0/14,New east coast of eastern
Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include JKM, JKH, OFJU, JIO, JMK, JOM, JOU, JMM, JTH, JRG, JYK, ERM, ERM, MAJO, MAT, MJAR, MJB9, INU, ASAJ, ASAJ, JHJ, JHJ, JHJ, USRK, JNU, KSRS, KSAR, KLR, MA2, SEY.

IDC 01 01:35:49.0,12.0,47.90S;164.90E,h0km,mb3.9/3,
mb1 4.1/4,mb1mx3.9/30,mbtmp3.9/4,ML3.5/1,MS3.6/1,
Ms1 3.6/1,ms1mx3.0/22,Error ellipse: s-maj=263.2km
s-min=29.9km az=102.0,
WEL 01 01:35:49.0,12.0,47.90S;164.90E,h0km,mb3.8/5,
ms1 3.6/1,ms1mx3.0/22,Error ellipse: s-maj=263.2km
ISC 01 01:35:49.3,1.7,48.6S;0.1:165.15E;0.09,h35km,n17,
01527/28,mb4.0/3,Off west coast of South Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include APZ, UGM, PCJ, WOJ, KPJI, CISI, PWJ, NGJI, KRJI, KENDI.

IDC 01 01:35:49.0,12.0,47.90S;164.90E,h0km,mb3.9/3,
mb1 4.1/4,mb1mx3.9/30,mbtmp3.9/4,ML3.5/1,MS3.6/1,
Ms1 3.6/1,ms1mx3.0/22,Error ellipse: s-maj=263.2km
s-min=29.9km az=102.0,
WEL 01 01:35:49.0,12.0,47.90S;164.90E,h0km,mb3.8/5,
ms1 3.6/1,ms1mx3.0/22,Error ellipse: s-maj=263.2km
ISC 01 01:35:49.3,1.7,48.6S;0.1:165.15E;0.09,h35km,n17,
01527/28,mb4.0/3,Off west coast of South Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include APZ, UGM, PCJ, WOJ, KPJI, CISI, PWJ, NGJI, KRJI, KENDI.

IDC 01 01:36:01.3,6.5,5.06S;153.01E,h0km,mb3.8/5,
mb1 4.0/5,mb1mx3.7/36,mbtmp3.8/5,Error ellipse:
s-maj=121.7km s-min=29.8km az=114.0,New Ireland
region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include WRA, ASAR, FITZ, MKAR, ZALV, TORD.

IDC 01 01:49:08.4,0.5,11.00S;165.53E,h0km,mb4.5/21,
mb1 4.7/23,mb1mx4.7/31,mbtmp4.5/23,ML5.1/2,MS4.5/7,
Ms1 4.5/7,ms1mx4.1/31,Error ellipse: s-maj=16.8km
s-min=13.3km az=102.0,
BUJ 01 01:49:09.0,10.91S;165.73E,h14km,mb5.2/28,mb4.7/41,
Ms4.9/7,Ms7 4.6/11
ISCJB 01 01:49:10.8,0.1,11.03S;0.03:165.42E;0.03,h24km,
mb4.8/130,MS4.7/10,Error ellipse: s-maj=4.5km
s-min=3.7km az=23.9,
NEIC 01 01:49:12.3,1.9,10.97S;165.46E,h24km,13km,
mb4.9/102,Error ellipse: s-maj=4.9km s-min=3.8km
az=140.0,
GCMT 01 01:49:13.0,0.4,11.26S;0.04:165.30E;0.03,h33km,1km,
MW5.0/45,Moment Tensor Solution. s39,c45; s45,c60;
Duration: 0 Moment tensor: Scale 1016Nm; Mr3.51; 26;
Mw-1.79; 18; Mw-1.71; 18; Mw1.71; 24; Mw1.39; 12;
Mw-2.51; 24; Best double couple: M0-4.50000x1016
NP1:0.142,000000,866,000000,95,000000. NP2:
0.309,000000,824,000000,78,000000. Principal axes: T
4.7110,Plg68.0000,Azm62.0000,N-0.4110,
Plg5.0000,Azm319.0000,P-4.2900,Plg21.0000,
Azm228.0000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
nsta2 refers to function

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include WRA, ASAR, FITZ, MKAR, ZALV, TORD.

IDC 01 01:49:08.4,0.5,11.00S;165.53E,h0km,mb4.5/21,
mb1 4.7/23,mb1mx4.7/31,mbtmp4.5/23,ML5.1/2,MS4.5/7,
Ms1 4.5/7,ms1mx4.1/31,Error ellipse: s-maj=16.8km
s-min=13.3km az=102.0,
BUJ 01 01:49:09.0,10.91S;165.73E,h14km,mb5.2/28,mb4.7/41,
Ms4.9/7,Ms7 4.6/11
ISCJB 01 01:49:10.8,0.1,11.03S;0.03:165.42E;0.03,h24km,
mb4.8/130,MS4.7/10,Error ellipse: s-maj=4.5km
s-min=3.7km az=23.9,
NEIC 01 01:49:12.3,1.9,10.97S;165.46E,h24km,13km,
mb4.9/102,Error ellipse: s-maj=4.9km s-min=3.8km
az=140.0,
GCMT 01 01:49:13.0,0.4,11.26S;0.04:165.30E;0.03,h33km,1km,
MW5.0/45,Moment Tensor Solution. s39,c45; s45,c60;
Duration: 0 Moment tensor: Scale 1016Nm; Mr3.51; 26;
Mw-1.79; 18; Mw-1.71; 18; Mw1.71; 24; Mw1.39; 12;
Mw-2.51; 24; Best double couple: M0-4.50000x1016
NP1:0.142,000000,866,000000,95,000000. NP2:
0.309,000000,824,000000,78,000000. Principal axes: T
4.7110,Plg68.0000,Azm62.0000,N-0.4110,
Plg5.0000,Azm319.0000,P-4.2900,Plg21.0000,
Azm228.0000; nsta1 refers to body waves, cutoff=40s.
nsta2 refers to surface waves, cutoff=50s. Triangular
nsta2 refers to function

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include WRA, ASAR, FITZ, MKAR, ZALV, TORD.

IDC 01 01:49:09.9,1.7,11.01S;0.05:165.48E;0.05,h6km,9km,
n274,c128/285,mb4.9/130,MS4.6/10,Santa Cruz

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Rows include WRA, ASAR, FITZ, MKAR, ZALV, TORD.

Code	Station Name	Δ°	AZ°	Phase	ID	ISC	Time	Res	XAN	Xi'an	69.91 312	P	P	02 00 28.0 +5.9	J05D	Fort Rock, OR	85.61 45	P	P	02 01 48.6 -1.0
HNR	Honiara	5.67 286	ePn	Op	ISC	h m s	01 50 36.1 +1.4		XAN	XAN	comp=Z,5.0nm,1.1s	P	P		DAWY	Dawson	85.62 21	eP	P	02 01 49.1 +0.1
HNR	Honiara	5.67 286	eSn	Pn	Pn	01 51 39.1 -1.0		XAN	XAN	comp=Z,190nm,7.1s	P	P	P		MURC	Murrieta	85.68 55	P	P	02 01 49.4 -0.6
HNR	Honiara	5.67 286	ePn	Pn	Pn	01 51 36.4 +1.8		XAN	Xi'an	69.91 312	eP	P	P	02 00 20.9 -1.2	PAHR	Pah Rah Range	85.78 48	eP	P	02 01 50.4 -0.1
HNR	Honiara	109nm,0.3s,baz=140,slow=8.9,SNR=12	Sn			01 51 39.4 -0.7		KMI	Kunming	70.88 301	P	P	P	02 00 29.8 +1.3	CWC	Cottonwood Cre	85.79 52	P	P	02 01 49.7 -0.9
HNR	Honiara	43nm,0.3s,baz=147,slow=22,SNR=4.1	LR		LR	01 52 44.9		HHC	Hu-ho-hao-te	71.64 320	eP	S	S	02 00 35.5 +2.9	MOD	Modoc Plateau	85.81 46	eP	P	02 01 49.7 -0.9
DZM	Mont Dzumac	11.04 175	ePn	Op	Pn	01 51 49.2 +0.7		HHC	HHC	comp=Z,9.0nm,0.9s	P	S	SS	02 09 57.4 +4.7	LRMC	Laurel Mtn Rad	85.82 53	P	P	02 01 50.0 -0.8
DZM	Mont Dzumac	11.04 175	ePn	Pn	LR	01 51 49.4 +0.9		HHC	HHC	comp=Z,91nm,5.4s	P	P	P	02 01 50.3 -0.1	E04D	Cinebar	85.84 41	P	P	02 01 50.0 -0.1
DZM	Mont Dzumac	7.5nm,0.3s,baz=353,slow=13,SNR=46	Sn		Sn	01 53 51.2 -1.2		HHC	HHC	comp=N,360nm,17.1s	LR	LR	LR	02 01 50.4 -0.1	D03D	Eldon	85.85 40	P	P	02 01 50.4 -0.1
DZM	Mont Dzumac	0.6nm,0.3s,baz=348,slow=19,SNR=2.4	LR		LR	01 55 25.4		HHC	HHC	comp=N,360nm,17.1s	LR	LR	LR	02 01 50.4 -0.4	I05D	Terrebonne, OR	85.89 44	P	P	02 01 50.4 -0.4
TARA	Tarawa	14.34 32	ePn	Op	Pn	01 52 32.6 -1.0		HHC	HHC	comp=Z,780nm,14.7s	P	P	P	02 01 51.6 +0.1	PINE	Pine Mountain	85.98 44	eP	P	02 01 51.6 +0.1
EIDS	Eidsvold	19.75 222	ePn	Pn	Pn	01 53 42.8 +0.8		CM01	Chiang Mai Arr	71.82 294	eP	P	P	02 00 33.4 -0.7	TIXI	Tiksi	86.00 349	eP	P	02 01 50.0 -0.7
MANU	Manus Island	20.06 295	eP	Pn	Pn	01 53 45.4 -0.5		CMAR	Chiang Mai Arr	71.82 294	eP	P	P	02 00 35.0 +0.8	PGC	Sidney	86.03 39	eP	P	02 01 51.2 -0.1
CTA	Charters Tower	20.59 242	eP	Pn	Pn	01 53 51.4 -0.6		CD2	Chengdu	72.37 307	eP	P	P	02 00 37.5 +0.4	RYN	Ryan	86.09 50	eP	P	02 01 52.0 -0.1
CTA	Charters Tower	20.59 242	eP	Pn	Pn	01 53 51.4 -0.6		CD2	Chengdu	72.37 307	eP	P	P	02 00 37.5 +0.4	MONP2	Monument Peak	86.11 56	P	P	02 01 51.7 -0.6
CTAO	Charters Tower	20.59 242	eP	Pn	Pn	01 53 50.6 -1.3		LZH	Lanzhou	74.54 312	eP	P	P	02 00 49.7 -0.2	DAC	Darwin (Calif)	86.12 52	eP	P	02 01 52.3 -0.7
COEN	Coen	21.97 260	eP	P	P	01 54 03.9 -0.9		LZH	Lanzhou	74.54 312	eP	P	P	02 00 58.2 +3.9	PMAC	Manual Prospec	86.14 52	P	P	02 01 51.6 -0.9
ARMA	Armada	23.21 212	eP	P	P	01 54 18.2 +0.4		LZH	Lanzhou	74.54 312	eP	P	P	02 01 01.4 -3.0	DPV	Darwin (Calif)	86.16 52	P	P	02 01 52.3 -0.7
HAZ	Te Kaha	28.83 160	P	P	P	01 55 10.2 +1.2		LZH	Lanzhou	74.54 312	eP	P	P	02 01 03.8 +7.1	NV01	Mina Array Bea	86.20 50	P	P	02 01 52.0 -0.6
URZ	Urewera	29.07 161	P	P	P	01 55 10.2 +1.2		LZH	Lanzhou	74.54 312	eP	P	P	02 01 03.8 +7.1	NVAR	Mina Array Bea	86.20 50	P	P	02 01 52.5 -0.2
URZ	Urewera	29.07 161	P	P	P	01 55 10.2 +1.2		LZH	Lanzhou	74.54 312	eP	P	P	02 01 03.8 +7.1	G05D	Wamic, OR	86.21 43	P	P	02 01 51.9 -0.5
MWZ	Matawai	29.27 160	P	P	P	01 55 13.5 +0.6		LZH	Lanzhou	74.54 312	eP	P	P	02 01 09.4 +1.1	PFO	Pinyon Flats O	86.28 55	eP	P	02 01 52.4 -0.6
PUZ	Puketitii	29.28 159	P	P	P	01 55 13.1 +0.1		LZH	Lanzhou	74.54 312	eP	P	P	02 01 09.4 +1.1	PFO	Pinyon Flats O	86.28 55	eP	P	02 01 52.4 -0.6
H11S2	WAKE ISLAND Hy	29.34 2	T	T	T	02 25 48.3		LZH	Lanzhou	74.54 312	eP	P	P	02 01 09.4 +1.1	XPFO	Pion Flat	86.28 55	eP	P	02 01 52.4 -0.6
H11S3	WAKE ISLAND Hy	29.34 2	T	T	T	02 25 48.2		LZH	Lanzhou	74.54 312	eP	P	P	02 01 09.4 +1.1	IKP	In-Ko-Pah, Jac	86.30 56	P	P	02 01 52.9 -0.3
RTZ	Ruatouana	39.25 161	P	P	P	01 55 14.4 +0.7		LZH	Lanzhou	74.54 312	eP	P	P	02 01 01.5 +0.8	NV11	Mina Array Sit	86.31 50	eP	P	02 01 52.7 -0.5
H11S1	WAKE ISLAND Hy	29.36 2	T	T	T	02 25 49.0		LZH	Lanzhou	74.54 312	eP	P	P	02 01 11.9 -0.1	F05D	White Salmon	86.33 42	P	P	02 01 53.1 +0.3
BKZ	Black Stump Fm	29.71 163	eP	P	P	01 55 18.0 +1.2		GAMB	Gambell	76.58 10	eP	P	P	02 01 12.1 0.0	GSC	Goldstone, Bar	86.46 53	eP	P	02 01 53.1 -0.7
BKZ	Black Stump Fm	29.71 163	eP	P	P	01 55 18.0 +1.2		ULN	Ulanbatar	78.12 324	eP	P	P	02 01 11.0 -0.6	GSC	Goldstone, Bar	86.46 53	eP	P	02 01 53.5 -0.4
BKZ	Black Stump Fm	29.71 163	eP	P	P	01 55 18.0 +1.2		SONM	Songino Array	78.48 324	P	P	P	02 01 11.9 -0.1	GRAC	Grapevine Rang	86.50 51	P	P	02 01 53.6 -0.4
BKZ	Black Stump Fm	29.71 163	eP	P	P	01 55 18.0 +1.2		SONA	Songino Array	78.48 324	P	P	P	02 01 11.9 -0.1	KVN	Katservil	86.53 49	eP	P	02 01 53.3 -1.0
BHZZ	Black Hill Sta	29.89 163	P	P	P	01 55 17.8 +1.0		SONA	Songino Array	78.48 324	P	P	P	02 01 11.9 -0.1	SWSC	Sam W. Stewart	86.63 56	P	P	02 01 54.2 -0.5
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	HEC	Hector,Ludlow	86.70 54	P	P	02 01 54.1 -1.0
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	B05A	Bryant	86.73 40	P	P	02 01 54.9 +0.2
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	FURC	Furnace Creek,	86.74 52	P	P	02 01 54.3 -0.8
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	BELC	Belle Mtn, Jos	86.75 55	P	P	02 01 54.9 -0.5
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	I07A	Izee	87.05 44	eP	P	02 01 56.1 -0.5
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	BC3	Big Chuckwall	87.09 55	P	P	02 01 56.9 -0.2
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	WVOR	Wild Horse Val	87.15 46	eP	P	02 01 56.7 -0.4
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	TUQ	Tuoluse Moun	87.19 53	P	P	02 01 57.0 -0.5
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	GMRC	Granite Mounta	87.23 54	P	P	02 01 56.9 -0.8
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	TPNV	Toppan Spring	87.34 52	P	P	02 01 58.2 0.0
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	TPNV	Toppan Spring	87.34 52	P	P	02 01 58.1 -0.2
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	GLA	Glamis	87.45 56	eP	P	02 01 59.0 +0.3
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	GLA	Glamis	87.45 56	eP	P	02 01 58.7 -0.4
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	IRM	Iron Mountain	87.47 55	P	P	02 01 58.3 -0.4
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	J08A	Circle Bar	87.54 45	eP	P	02 01 58.8 -0.2
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	HAWA	Hanford	87.76 42	eP	P	02 01 59.9 0.0
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	G08A	Pilot Rock	87.80 43	eP	P	02 01 59.5 -0.7
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	Y12C	Blythe	87.87 55	eP	P	02 02 01.1 +0.5
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	Y12C	Blythe	87.87 55	eP	P	02 02 00.8 +0.2
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	SHPR	Sheep Range	88.07 52	eP	P	02 02 02.2 +0.5
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	R11A	Troy Canyon, C	88.23 51	eP	P	02 02 02.4 -0.1
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	R11A	Troy Canyon, C	88.23 51	eP	P	02 02 02.0 -0.5
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	PDMCI	Parker Dam,Lak	88.31 55	P	P	02 02 02.4 -0.3
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0		ANM	Anmyeong	78.51 32	eP	P	P	02 01 12.1 0.0	B08A	Colville Reser	88.51 40	eP	P	02 02 02.9 -0.5
STKA	Stevens Creek	30.29 223	P	P	P	01 55 21.9 0.0														





NWAO		ePP	PP	02 26 13.1 -0.7	
NWAO	comp=Z,55um,19.0s	LR	LR		
NWAO	Narogin (SRO)	38.35 224	eP	P	02 24 44.8 -0.5
NWAO					02 26 13.1
NWAO	comp=Z,35nm,1.1s		pmx	pmx	
NWAO			MLR	MLR	
KSCM	comp=Z,55um,19.0s				
MUN	Kuching	38.40 281	P	P	02 24 49.1 +3.2
MUN	Mundaring	38.53 226	P	P	02 24 47.0 +0.2
KPJJI	Karang Pucung	38.60 267	P	P	02 24 48.7 +1.1
CMJI	Cimerak	39.07 266	P	P	02 24 52.3 +0.8
RAO	comp=Z,114nm,0.7s,comp=Z,2um				
RAO	Raou Island	39.09 129	PFAKE	LR	02 25 00.0 +8.6
RAO			LR	LR	
RKGY	Rocky Gully	39.52 222	P	P	02 24 55.7 +0.8
RKGY	comp=Z,40,SNR=8.3				
CISI	Cisompet, Garu	39.70 267	eP	P	02 24 54.7 -2.2
CISI	Cisompet, Garu	39.70 267	P	P	02 24 57.6 +0.7
CISI	comp=Z,212nm,1.1s,comp=Z,8um				
NACB	Ninganchiao	40.22 321	eP	P	02 24 59.6 -1.3
NACB	comp=Z,113nm,1.4s				
CBJI	Citeko	40.71 268	P	P	02 25 05.4 +0.2
YHNB	Yeheng	40.72 322	eP	P	02 25 05.7 +0.5
YHNB	comp=Z,102nm,1.2s				
TATO	Taipei	40.88 322	eP	P	02 25 06.3 0.0
TATO	comp=Z,254nm,1.4s				
TATO			LR	LR	
SKJI	Sukabumi	40.97 267	P	P	02 25 08.3 +1.0
SKJI	comp=Z,288nm,0.7s,comp=Z,3um				
THZ	Topohuse	41.12 151	eP	P	02 25 10.7 +2.5
THZ	comp=Z,62nm,0.9s				
LZT	Lake Taylor	41.61 153	eP	P	02 25 16.4 +4.2
LZT	comp=Z,55nm,1.3s				
SNZO	South Karori	41.66 149	PFAKE	LR	02 25 20.0 +7.4
SNZO			LR	LR	
DCZ	Deep Cove	41.79 160	eP	P	02 25 12.7 -0.8
DCZ	comp=Z,288nm,1.3s				
RPZ	Rata Peaks	41.82 155	eP	P	02 25 12.0 -1.9
RPZ	comp=Z,52nm,1.4s				
PPBI	Pangkal Pinang	41.84 275	P	P	02 25 15.4 +1.0
LBZ	Lake Benmore	42.01 156	eP	P	02 25 19.7 +4.3
LBZ	comp=Z,57nm,1.2s				
MLZ	Mavora Lakes	42.05 159	eP	P	02 25 15.6 -0.1
MLZ	comp=Z,70nm,1.3s				
WHZ	Wether Hill Ro	42.44 159	eP	P	02 25 17.5 -1.4
WHZ	comp=Z,79nm,1.5s				
MGQ	McQueen's Vall	42.51 153	eP	P	02 25 19.5 +0.1
MGQ	comp=Z,84nm,1.4s				
OZH	Quanzhou	42.68 319	P	S	02 25 21.2 +0.2
OZH			S	S	02 31 36.3 -4.5
OZH			LR	LR	
OZH	comp=Z,4um,15.7s				
OZH	comp=Z,12um,19.4s				
OZH			LR	LR	
KASI	Kota Agung	43.11 269	P	P	02 25 25.7 +1.0
MDSI	Maura Dua	43.51 271	P	P	02 25 27.1 -0.9
MDSI	comp=Z,33nm,1.7s,comp=Z,2um,comp=Z,28um				
LHSI	Lahat	44.23 272	P	P	02 25 42.2 +8.5
MJAR	Matsushiro Arr	44.27 349	P	P	02 25 01.4 -2.3
MJAR	comp=Z,18nm,1.1s,baz=181,slow=8.0,SNR=20				
MJAR			S	S	02 32 00.1 -3.7
MJAR	comp=Z,0.5nm,0.3s,baz=345,slow=14,SNR=2.6				
MJAR			LR	LR	02 42 34.0
MAJO	Matsushiro	44.28 349	eP	P	02 25 31.7 -2.1
MAJO	comp=Z,89nm,1.4s				
MAJO			LR	LR	
MAJO	comp=Z,12um,22.0s				
MAJO	Matsushiro	44.28 349	iP	P	02 25 32.5 -1.3
MAJO			pmx	pmx	
MAJO	comp=Z,70nm,1.4s				
MAJO			MLR	MLR	
MAT	Matsushiro	44.28 349	P	P	02 25 31.5 -2.3
MAT			S	S	02 32 04.0 +0.2
MAT			S	S	02 32 32.4 -1.4
MJB9	Matsu-Tunnel	44.28 349	eP	P	
MJB9	comp=Z,62nm,1.2s				
MYKOM	Kota Tinggi	44.77 280	P	P	02 25 40.1 +2.0
KGM	Kluang	45.34 280	P	P	02 25 43.6 +1.0
KGM			P	P	02 25 43.5 -0.5
QIZ	Qiongzong	45.53 305	P	PP	02 25 56.2 -1.6
QIZ			PP	PP	02 27 35.7 +4.2
QIZ			S	S	02 32 20.6 -1.9
QIZ			pmx	pmx	
QIZ	comp=Z,390nm,4.5s				
QIZ			LR	LR	
QIZ	comp=Z,3um,18.6s				
QIZ	comp=Z,7um,18.6s				
QIZ			LR	LR	
QIZ	comp=Z,12um,19.1s				
QIZ	Qiongzong	45.53 305	PFAKE	LR	02 25 50.0 +6.0
QIZ			LR	LR	
SSE	Sheshan	45.70 327	P	P	02 25 44.1 -1.0
SSE			S	S	02 32 25.6 +1.1
SSE			pmx	pmx	
SSE	comp=Z,16nm,0.9s				
SSE			pmx	pmx	
SSE	comp=Z,290nm,11.5s				
SSE	comp=Z,7um,20.9s				
SSE			LR	LR	
SSE	comp=Z,7um,21.1s				
SSE	Sheshan	45.70 327	eP	P	02 25 43.6 -1.4
SSE	comp=Z,132nm,1.3s				
SSE			LR	LR	
KTGM	Kuala Trengganu	46.28 284	P	P	02 25 49.5 -0.6
PDSI	Padang	46.73 275	P	P	02 26 01.5 +0.9
NJ2	Nanjing	47.70 326	eP	P	02 26 00.6 -0.1
NJ2			S	S	02 32 55.9 +2.8
NJ2			SS	SS	02 36 19.2 -3.0
NJ2			pmx	pmx	
NJ2	comp=Z,26nm,0.8s				
NJ2	comp=Z,330nm,3.5s				
NJ2			pmx	pmx	
NJ2	comp=Z,19um,20.6s				
NJ2	comp=Z,12um,16.3s				
NJ2			LR	LR	
KSR5	Korea Array	48.01 339	P	P	02 26 01.5 -1.5
KSR5	comp=Z,12nm,1.0s,baz=157,slow=9.5,SNR=16				
KSR5			LR	LR	02 44 49.7
KSAR	Wonju Array Be	48.01 339	P	P	02 26 01.5 -1.6
KSAR	Wonju Array Be	48.01 339	P	P	02 26 01.5 -1.6
KS01	Wonju Array Si	48.04 339	eP	P	02 26 01.4 -1.9
IPM	Ipho	48.11 282	eP	P	02 26 00.8 -3.5
IPM	comp=Z,43nm,0.9s				
IPM	Ipho	48.11 282	P	P	02 26 05.1 +0.8
JOHN	Johnston Islan	48.31 60	PFAKE	LR	02 26 20.0 +1.4
JOHN			LR	LR	
MIDW	Midway	48.53 42	PFAKE	LR	02 26 20.0 +1.3
MIDW			LR	LR	
KULM	Kulim	48.66 283	eP	P	02 26 07.4 -1.2
KULM	comp=Z,49nm,1.1s				
KULM	Kulim	48.66 283	P	P	02 26 07.7 -0.9
MNSI	Mandailing Nat	48.78 277	P	P	02 26 13.0 +3.6
SISI	Saibi	48.93 274	P	P	02 26 11.5 +0.9
ERM	Erimo	48.99 355	PFAKE	LR	02 26 20.0 +9.5
ERM			LR	LR	
WHN	Wuhan	49.26 321	iP	S	02 26 11.9 -0.9
WHN			S	S	02 33 18.7 +3.6
WHN			LR	LR	
WHN	comp=Z,23um,16.4s				
WHN			LR	LR	
WHN	comp=Z,32um,14.7s				
WHN			LR	LR	
SKNT	Sakolnakor	49.49 299	P	P	02 26 15.9 +1.1
SKNT	comp=Z,26nm,1.0s,comp=Z,987nm				
PSI	Prapat	49.80 280	eP	P	02 26 15.5 -1.8

PSI	comp=Z,188nm,1.5s				
PSI	Prapat	49.80 280	eP	P	02 26 15.5 -1.8
PSI			pmx	pmx	
PSI	comp=Z,188nm,1.5s				
PSI	Prapat	49.80 280	LR	LR	02 51 14.0
SRAK	Srakaew	50.03 295	P	P	02 26 22.6 +3.7
SRAK	comp=Z,56nm,1.3s,comp=Z,1um				
TRTT	Trang	50.24 286	P	P	02 26 27.5 +7.0
TRTT	comp=Z,19nm,2.4s				
COCO	West Island	50.50 260	PFAKE	LR	02 26 30.0 +7.5
COCO			LR	LR	
PATY	Pataya	50.71 293	P	P	02 26 34.4 +1.0
CHAI	Chaiyaphum	50.80 297	P	P	02 26 24.8 +0.1
CHAI	comp=Z,16nm,0.7s,comp=Z,142nm				
GSI	Gunungsitoli	50.84 277	eP	P	02 26 23.3 -1.8
GSI	comp=Z,50nm,0.9s				
GSI	Gunungsitoli	50.84 277	P	P	02 26 25.1 0.0
GSI	comp=Z,7.5nm,0.9s,comp=Z,3um				
YUK	Yuzh-Kuril sk	50.86 358	eP	P	02 26 23.0 -1.6
YUK			e	e	02 28 14.4
YUK			S	S	02 33 34.6 -2.3
YUK			S	S	02 26 25.4 -1.4
KCSI	Kotacane, Aceh	51.07 280	eP	P	
KCSI	comp=Z,72nm,1.3s,comp=Z,1um				
KCSI	Phuket	51.55 286	P	P	02 26 36.4 +6.0
KCSI	comp=Z,45nm,1.1s,comp=Z,2um				
TPTI	Taiwan	51.59 290	P	P	02 26 31.6 +0.9
DL2	Dalian	51.78 334	P	P	02 26 33.6 +2.0
DL2			S	S	02 33 52.0 +2.2
DL2			pmx	pmx	
DL2	comp=Z,56nm,1.7s				
DL2	comp=Z,410nm,4.7s				
DL2	comp=Z,10um,20.4s				
DL2			LR	LR	
DL2	comp=Z,10um,18.3s				
DL2			LR	LR	
TIA	Tai'an	51.79 328	P	P	02 26 29.4 -2.4
TIA			pmx	pmx	
PHAT	comp=Z,7.0nm,1.0s				
PHAT	Kaeng Krachan	51.84 292	P	P	02 26 34.9 +2.4
PHAT	comp=Z,26nm,1.2s,comp=Z,293nm				
PBKT	Sadao Pong	51.96 297	P	P	02 26 36.5 +3.1
PBKT	comp=Z,25nm,2.2s,comp=Z,2um				
PBKT	Guiyang	51.99 311	eP	P	02 26 34.8 +1.2
PBKT			pP	pP	02 26 44.3 -3.3
PBKT			PP	PP	02 28 30.0 +0.7
PBKT			S	S	02 33 53.4 -0.1
PBKT			SS	SS	02 37 28.5 -2.8
PBKT			pmx	pmx	
GYA			pmx	pmx	
GYA	comp=Z,40nm,0.8s				
GYA			LR	LR	
GYA	comp=Z,180nm,8.0s				
GYA			LR	LR	
GYA	comp=Z,3um,24.6s				
GYA			LR	LR	
GYA	comp=Z,5um,24.7s				
GYA			LR	LR	
GYA	comp=Z,8um,20.1s				
KUR	Kuril'sk	52.02 0ceP	P	P	02 26 33.0 -0.3
ENH	Enshi	52.24 317	eP	P	02 26 31.3 -4.0
ENH			LR	LR	
ENH	comp=Z,17um,19.0s				
SNSI	Sinabang, Aceh	52.27 279	P	P	02 26 36.6 +0.9
RAR	Rarotonga	52.48 111	PFAKE	LR	02 26 50.0 +1.3
RAR			LR	LR	
SRDT	comp=Z,5um,21.0s				
SRDT	SRDT	52.80 294	P	P	02 26 42.2 +2.6
SRDT	comp=Z,86nm,1.4s,comp=Z,2um				
TEY	Ternei	52.80 350	iP	P	02 26 37.4 -1.7
TEY			pmx	pmx	02 33 54.2
TEY	comp=N,10.0nm,2.0s				
TEY	comp=Z,10.0nm,2.3s				
TEY			pmx	pmx	
UTHA	Uthairni	52.94 295	P	P	02 26 40.7 +0.1
UTHA	comp=E,20nm,1.1s,comp=E,192nm				
USA0B	Ussuriysk Arr	52.97 346	eP	P	02 26 39.2 -1.2
USA0B	comp=Z,35nm,1.4s				
USRK	Ussuriysk Ar.	52.97 346	P	P	02 26 38.0 -2.3
USRK	comp=E,17nm,1.1s,baz=172,slow=9.8,SNR=9.5				
USRK			S	S	02 34 04.0 -1.9
USRK	comp=E,0.6nm,0.5s,baz=172,slow=28,SNR=1.8				
USRK			LR	LR	02 46 11.3
SNY	Shenyang	53.45 338	iP	P	02 26 45.8 +1.9
SNY			S	S	02 34 14.8 +2.2
SNY			pmx	pmx	
SNY	comp=E,9.0nm,0.5s				
SNY			LR	LR	
SNY	comp=E,8um,18.5s				
SNY			LR	LR	
SNY	comp=E,6um,17.1s				
SNY			LR	LR	
SNY	comp=E,15um,23.5s				
S					





COLA COLA	comp=Z,4um,20.0s	85.77	23	eP	P	02 29 58.3	-4.1
COLA COLA	comp=Z,12nm,1.2s			MLR	MLR		
HDA HDA	comp=Z,4um,20.0s	85.91	23	eP	P	02 30 02.1	-1.1
HDA HDA	comp=Z,14nm,1.5s	85.91	23	eP	P	02 29 59.6	-3.6
BRZS BRZS	comp=Z,24um,20.0s	85.92	321	d/P	P	02 30 01.3	-2.3
BRZS BRZS	comp=Z,122nm,1.4s			MLR	MLR		
BRZS BRZS	comp=Z,901nm,17.0s	85.92	321	i/P	P	02 30 01.3	-2.3
BRZS BRZS	comp=Z,122nm,1.4s			eLRM	MLR	03 10 05.5	
CHM CHM	comp=Z,901nm,17.4s	86.08	313	eP	P	02 30 02.3	-2.2
CHM CHM	comp=Z,306nm,0.5s			MLR	MLR		
CHM CHM	comp=Z,328nm,16.3s	86.08	313	eP	P	02 30 02.4	-2.2
CHM CHM	comp=Z,306nm,0.5s			eLRM	MLR	03 09 17.0	
ILAR ILAR	comp=Z,328nm,16.3s	86.09	23	P	P	02 30 07.3	-3.4
ILAR ILAR	comp=Z,4.9nm,0.9s,baz=255,slow=4.5,SNR=26			LR	LR	03 07 00.7	
ILB RIDG	comp=Z,2um,19.2s,baz=250,slow=35	86.09	23	eP	P	02 30 00.8	-3.4
ILB RIDG	comp=Z,2um,19.2s,baz=250,slow=35	86.48	24	eP	P	02 30 05.6	-0.5
NR1K NR1K	comp=Z,19nm,1.2s	86.51	342	P	P	02 30 01.9	-4.1
NR1K NR1K	comp=Z,6.0nm,1.0s			MLR	MLR		
NR1K NR1K	comp=Z,3um,18.1s	86.51	342	P	P	02 30 01.9	-4.1
NR1K NR1K	comp=Z,6.2nm,1.0s,baz=151,slow=24,SNR=8.7			LR	LR	03 11 12.2	
SCRK SCRK	comp=Z,3um,18.1s,baz=58,slow=37	86.92	24	eP	P	02 30 07.7	-0.6
FYU FYU	comp=Z,5.4nm,1.1s	87.07	22	eP	P	02 30 13.3	+2.6
BVAO BVAO	comp=Z,22nm,1.2s	88.09	324	i/P	P	02 30 11.5	-2.5
BVAO BVAO	comp=Z,12nm,1.0s	88.09	324	P	P	02 30 10.1	-3.9
BVAR BVAR	comp=Z,7.3nm,0.8s,baz=104,slow=5.4,SNR=25	88.16	324	eP	P	02 30 11.6	-2.7
BRVK BRVK	comp=Z,20nm,1.3s			LR	LR		
BRVK BRVK	comp=Z,3um,20.0s	88.16	324	eP	P	02 30 11.4	-2.9
BRVK BRVK	comp=Z,18nm,1.3s			MLR	MLR		
BRVK BRVK	comp=Z,5um,19.0s	88.16	324	P	P	02 30 14.2	-0.1
BRVK BRVK	SNR=6.7			P	P	02 30 14.2	-0.1
HYT HYT	comp=Z,28nm,1.1s	88.70	28	eP	P	02 30 18.2	+1.3
DAWY DAWY	comp=Z,19nm,1.3s	88.85	25	eP	P	02 30 17.1	-0.2
SKAG SKAG	comp=Z,16nm,1.1s	89.37	30	eP	P	02 30 21.1	+1.3
WHY WHY	comp=Z,16nm,1.1s	89.89	29	eP	P	02 30 25.4	+3.0
WRAK WRAK	comp=Z,1.9nm,1.4s	90.20	33	PFAKE	LR	02 30 40.0	+1.6
WRAK WRAK	comp=Z,8um,20.0s	92.30	21	eP	P	02 30 32.8	-0.5
INK INK	comp=Z,8.4nm,1.2s	92.30	21	eP	P	02 30 32.8	-0.5
INK INK	comp=Z,8.0nm,1.2s			MLR	MLR		
LO2E LO2E	comp=Z,8.0nm,1.2s	93.59	48	P	P	02 30 42.8	+2.9
AB31 AB31	comp=Z,26um,20.0s	93.90	319	i/P	P	02 30 36.2	-4.9
AB31 AB31	comp=Z,7.0nm,1.0s	93.90	319	eP	P	02 30 38.6	-2.5
ABKAR ABKAR	comp=Z,7.0nm,1.0s	93.96	43	PFAKE	LR	02 30 50.0	+8.5
NLWA NLWA	comp=Z,6um,20.0s	94.00	50	P	P	02 30 44.1	+2.2
O02D O02D	comp=Z,1.4nm,0.5s,baz=95,slow=9.5,SNR=4.2	94.06	308	P	P	02 30 38.9	-3.3
GEYT GEYT	comp=Z,3um,21.3s,baz=95,slow=37	94.07	49	P	P	03 15 03.7	
M02C M02C	comp=Z,9um,20.0s	94.21	51	eP	P	02 30 46.5	+4.3
YBH YBH	comp=Z,2.7nm,0.8s,baz=124,slow=5.1,SNR=4.2	94.21	49	P	P	02 30 47.4	+4.5
ORV ORV	comp=Z,7.8nm,1.1s	94.92	51	eP	P	02 30 50.1	+4.1
AKTO AKTO	comp=Z,6.0nm,1.2s	95.25	320	P	P	02 30 45.3	-2.0
AKTO AKTO	comp=Z,6.0nm,1.2s	95.25	320	P	P	02 30 46.6	-0.7
AFDM AFDM	comp=Z,1.3nm,0.8s,baz=79,slow=5.9,SNR=4.1	95.28	52	eP	P	02 30 49.7	+2.0
ARU ARU	comp=Z,7.4nm,1.1s	95.41	326	PFAKE	LR	02 31 00.0	+1.2
ARU ARU	comp=Z,3um,19.0s	95.41	326	P	P	02 30 42.6	-5.2
ARU ARU	comp=Z,15nm,1.1s	97.33	52	P	PKS	02 41 15.2	-3.9
ARU ARU	comp=Z,15nm,1.1s			SP	SP	02 43 12.4	-4.6
ARU ARU	comp=Z,15nm,1.1s			MLR	MLR	02 43 28.9	+4.6
J05D J05D	comp=Z,5um,18.0s	95.43	47	P	P	02 30 51.3	+2.8
PKM PKM	comp=Z,26um,20.0s	95.89	56	P	P	02 30 52.8	+2.0
PNTR PNTR	comp=Z,3.0nm,1.1s	96.36	51	eP	P	02 30 57.7	+4.8
HAWA HAWA	comp=Z,8.0nm,1.1s	96.84	44	PFAKE	LR	02 31 10.0	+1.5
ISA ISA	comp=Z,4um,20.0s	97.03	55	eP	Pdf	02 30 59.0	+3.1
ISA ISA	comp=Z,5.5nm,1.1s	97.03	55	eP	Pdf	02 30 59.0	+3.1
ISA ISA	comp=Z,6.0nm,1.1s	97.03	55	eP	Pdf	02 30 58.0	+2.0
RYN RYN	comp=Z,2um,19.0s	97.17	52	eP	Pdf	02 31 00.9	+4.3
MWC MWC	comp=Z,4.1nm,1.2s	97.28	56	eP	Pdf	02 31 00.4	+3.1
WVOR WVOR	comp=Z,15nm,1.1s	97.28	48	PFAKE	LR	02 31 10.0	+1.3
NV01 NV01	comp=Z,9um,20.0s	97.33	52	eP	Pdf	02 30 59.1	+1.7
NVAR NVAR	comp=Z,15nm,1.1s	97.33	52	P	Pdf	02 30 57.8	+0.4
NVAR NVAR	comp=Z,3.1nm,1.0s,baz=259,slow=5.5,SNR=12			LR	LR	03 08 05.7	
EDW2 EDW2	comp=Z,8um,21.4s,baz=276,slow=31	97.36	56	P	Pdf	02 31 01.3	+3.8
CWC CWC	comp=Z,26um,20.0s	97.40	54	P	Pdf	02 30 58.1	+0.5
NV11 NV11	comp=Z,0.3nm,1.0s	97.45	52	eP	Pdf	02 31 02.2	+4.4
KVN KVN	comp=Z,7.6nm,1.3s	97.52	52	eP	Pdf	02 31 01.9	+3.7
LRMC LRMC	comp=Z,26um,20.0s	97.67	55	P	Pdf	02 31 01.0	+2.1
ABPO ABPO	comp=Z,2um,20.0s	97.68	250	PFAKE	LR	02 31 10.0	+1.1
DAC DAC	comp=Z,4um,20.0s	97.78	54	eP	Pdf	02 30 59.7	+0.3
DAC DAC	comp=Z,13nm,1.3s	97.78	54	eP	Pdf	02 30 59.7	+0.3
MPMC MPMC	comp=Z,13nm,1.3s	97.85	55	P	Pdf	02 31 01.7	+1.9

RPN RPN	Rapa Nui	98.11	119	PFAKE	LR	02 31 10.0	+9.1
GSC GSC	comp=Z,2um,22.0s	98.37	55	eP	Pdf	02 31 06.5	+4.5
NEW NEW	Goldstone, Bar	98.55	42	P	LR	02 31 00.2	-2.0
NEW NEW	Newport	98.55	42	P	LR	02 31 00.2	-2.0
NEW NEW	comp=Z,6um,20.0s	98.55	42	P	MLR	02 31 00.3	-2.0
NEW NEW	Newport	98.55	42	P	P	02 31 00.2	-2.0
MONP MONP	comp=Z,1.2nm,0.7s,baz=157,slow=7.7,SNR=2.5	98.58	58	P	Pdf	02 31 04.7	+1.7
PFO PFO	Monument Peak	98.58	57	P	P	02 31 02.8	-0.1
PFO PFO	Pinyon Flats O	98.58	57	P	LR	02 31 04.8	+1.8
PFO PFO	Pinyon Flats O	98.58	57	P	Pdf	02 31 02.8	-0.1
TPFO TPFO	comp=Z,3.6nm,0.9s,baz=243,slow=2.3	98.58	57	P	Pdf	02 31 05.2	+2.2
XPFO XPFO	Pion Flat	98.58	57	eP	Pdf	02 31 05.7	+2.7
TPNV TPNV	comp=Z,13nm,1.4s	98.89	54	eP	Pdf	02 31 09.4	+5.1
BELC BELC	Topopah Spring	98.89	57	P	Pdf	02 31 07.7	+2.9
BELC BELC	comp=Z,0.7nm,1.1s	98.89	57	P	Pdf	02 31 07.7	+2.9
GMRF GMRF	Belle Mtn. Jos	99.29	56	P	Pdf	02 31 09.9	+3.0
R11A R11A	Granite Mounta	99.46	52	eP	Pdf	02 31 13.4	+6.6
R11A R11A	Troy Canyon, C	99.46	52	P	Pdf	02 31 10.0	+3.1
R11A R11A	Troy Canyon, C	99.46	52	P	Pdf	02 31 10.0	+3.1
YKA YKA	Yellowknife Ar	99.68	28	P	Pdf	02 31 06.6	-0.4
YKA YKA	comp=Z,1.2nm,1.1s,baz=278,slow=4.8,SNR=7.8			PKKPbc	PKKPbc	02 47 26.7	-4.0
YKA YKA	comp=Z,0.4nm,0.7s,baz=92,slow=2.7,SNR=7.2			PKKP	PKKP	02 47 33.8	-1.0
YKA YKA	comp=Z,0.4nm,0.6s,baz=88,slow=2.9,SNR=5.8			LR	LR	03 13 30.0	
ELK ELK	comp=Z,572nm,20.1s,baz=276,slow=34	99.78	50	P	Pdf	02 31 11.1	+2.9
ELK ELK	Elko	99.78	50	P	Pdf	02 35 28.5	
HLID HLID	comp=Z,0.7nm,0.7s,baz=246,slow=3.0,SNR=4.1	100.41	47	PFAKE	LR	02 31 20.0	+9.1
DUG DUG	Dugway, Tooele	101.63	51	PFAKE	LR	02 31 30.0	+14
PRGR PRGR	comp=Z,5um,20.0s	101.95	332	eP	Pdf	02 31 14.1	-3.0
PRGR PRGR	Pergomere	101.95	332	eP	Pdf	02 31 14.1	-3.0
MAK MAK	comp=Z,12nm,1.4s	102.32	312	eP	Pdf	02 31 11.6	-7.5
MAK MAK	Makhachkala			e	e	02 35 28.5	
MAK MAK				ePPP	PPP	02 37 36.8	
MAK MAK				e	e	02 41 56.9	
BOZ BOZ	comp=Z,33nm,0.5s	102.35	45	PFAKE	LR	02 31 30.0	+11
BOZ BOZ	Bozeman (W)			LR	LR		
HWUT HWUT	comp=Z,3um,20.0s	102.55	49	PFAKE	LR	02 31 30.0	+10
HWUT HWUT	Hardware Ranch			LR	LR		
WUAZ WUAZ	comp=Z,70nm,20.0s	102.81	55	PFAKE	LR	02 31 30.0	+8.2
WUAZ WUAZ	Wupatki			LR	LR		
AHID AHID	comp=Z,7um,22.0s	102.85	48	PFAKE	LR	02 31 30.0	+8.2
AHID AHID	Auburn Hatcher			LR	LR		
LKWY LKWY	comp=Z,9um,20.0s	103.27	46	PFAKE	LR	02 31 30.0	+6.3
LKWY LKWY	Lake			LR	LR		
TUC TUC	comp=Z,9um,20.0s	103.32	59	PFAKE	LR	02 31 40.0	+16
TUC TUC	Tucson			LR	LR		
EGMT EGMT	comp=Z,8um,21.0s	103.48	42	PFAKE	LR	02 31 40.0	+16
EGMT EGMT	Eagleton			LR	LR		
BW06 BW06	comp=Z,3um,20.0s	103.98	48	PFAKE	LR	02 31 40.0	+13
BW06 BW06	Boulder Array			LR	LR		
PDAR PDAR	comp=Z,8um,20.0s	103.98	48	Pdf	Pdf	02 31 26.4	-0.5
PDAR PDAR	Pinedale Array			PKIP	PKIP	02 35 48.1	+3.3
PDAR PDAR	comp=Z,0.6nm,0.8s,baz=274,slow=3.4,SNR=2.2			PKIP	PKIP	02 31 40.0	+13
RLMT RLMT	comp=Z,0.2nm,0.5s,baz=342,slow=2.1,SNR=3.2	104.04	45	PFAKE	LR	02 31 40.0	+13
RLMT RLMT	Red Lodge			LR	LR		
RAYN RAYN	comp=Z,3um,20.0s	104.06	292	PFAKE	LR	02 31 40.0	+13
RAYN RAYN	Ar Rayn			LR	LR		
GNI GNI	comp=Z,3um,22.0s	104.51	310	PFAKE	LR	02 31 40.0	+11
GNI GNI	Garni			LR	LR		
PMSA PMSA	comp=Z,3um,20.0s	104.55	166	PFAKE	LR	02 31 40.0	+11
PMSA PMSA	Palmer Station			LR	LR		
KBS KBS	comp=Z,5um,19.0s	104.90	352	PFAKE	LR	02 31 40.0	+10
KBS KBS	Kingsbay			LR	LR		
KLMR KLMR	comp=Z,3um,20.0s	105.00	331	eP	Pdf	02 31 29.6	-1.0
KLMR KLMR	Klimovskoe			e	e	02 35 48.0	
KLMR KLMR	comp=Z,15nm,1.4s	105.00	331	eP	Pdf	02 31 29.6	-1.0
KLMR KLMR	Klimovskoe			e	e	02 31 40.0	
KLMR MSCO	comp=Z,15nm,1.4s	105.09	53	eP	PKIKP	02 35 48.0	+2.8
KLMR MSCO	Mesa Verde			PFAKE	LR	02 36 00.0	+14
LVZ LVZ	comp=Z,4um,19.0s	105.10	339	PFAKE	LR	02 31 40.0	+9.0
LVZ LVZ	Lovozero			LR	LR		
APA APA	comp=Z,2um,19.0s	105.66	339	i/P	Pdf	02 31 35.5	+2.1
APA APA	Apaitiy			MLR	MLR		
KIV KIV	comp=Z,8.0nm,1.2s	105.76	314	PFAKE	LR	02 36 00.0	+13
KIV KIV	Kislovodsk			LR	LR		
LAO LAO	comp=Z,3um,20.0s	106.00	44	PFAKE	LR	02 36 00.0	+12
LAO LAO	LASA Array			LR	LR		
ANMO ANMO	comp=Z,4um,20.0s	106.85	56	PFAKE	LR	02 36 00.0	+10
ANMO ANMO	Albuquerque			LR	LR		
KEV KEV	comp=Z,5um,20.0s	106.92					

Table with columns: AAM, comp-Z, 6.0m, 20.0s, LR, LR, PKIKP, 02 36 20.1 +0.2, etc. Lists various stations and their coordinates and status.

Table with columns: SDV, comp-Z, 3.0m, 21.0s, LR, LR, eSS, 02 58 54.2 +24, etc. Lists various stations and their coordinates and status.

Table with columns: URLA, Izmir, 2.17 283, PN, Pn, 02 24 21.9 +1.0, etc. Lists various stations and their coordinates and status.



Table with columns: ARCO, CERRO ARCO, 0.96 151 eP, Pn, 04 24 16.1 +0.1, etc. Includes stations like Cerro Villuncu, Cerro Villuncu, Cerro Villuncu, etc.

IDC 01 04:54:28.1±1.7, 275S:141.65E, h0km, mb3.4/3, mb1 3.8/4, mb1mx3.4/39, mbtmp3.5/4, ML3.8/1, MS3.8/1, ms1 3.8/1, ms1mx3.1/27, Error ellipse: s-maj=27.4km s-min=13.8km az=1.0, Near north coast of New Guinea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Jayapura, Warramunga Arr, Baunata, Fitzroy Crossi, ASAR, etc.

JMA 01 04:57:10.5±0.3, 39.90N:143.86E, h12km, M3.7, ISC/JB 01 04:57:11.9±1.2, 39.99N:0.08:143.6E:0.2, h6km, mb3.5/7, Error ellipse: s-maj=20.5km s-min=6.2km az=31.1

IDC 01 04:57:13.4±2.5, 40.05N:143.38E, h0km, mb3.7/7, mb1 3.7/9, mb1mx3.5/58, mbtmp3.6/9, ML2.9/2, Error ellipse: s-maj=50.7km s-min=24.6km az=144.0

ISC 01 04:59:01.0±0.9, 0.08N:143.4E:0.1, h6km, n17, +149/18, mb3.4/7, Error ellipse: s-maj=15.6km s-min=6.6km

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Miyako, Niyanonagasawa, JOM, etc.

IDC 01 05:04:22.2±2.2, 22.88S:68.68W, h0km, mb3.7/4, mb1 3.8/5, mb1mx3.6/22, mbtmp3.6/5, ML3.1/1, Error ellipse: s-maj=71.1km s-min=34.9km az=29.0

ISC/JB 01 05:04:40.7±0.7, 21.70S:0.04:68.5W:0.1, h132km, 7km, mb3.5/4, Error ellipse: s-maj=15.6km s-min=6.6km

GUC 01 05:04:40.4±0.8, 21.71S:68.49W, h128km, 5km, ML3.3

ISC 01 05:04:41.6±1.0, 21.70S:0.05:68.5W:0.1, h124km, 9km, n17, ±67/22, mb3.6/4, 7C-2D, Chile-Bolivia border region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like IPOC Station P, Limon Verde, IPOC Station P, etc.

Table with columns: PBO2, IPOC Station P, 1.67 338 fP, Pn, 05 05 12.2 +0.5, etc. Includes stations like IPOC Station P, IPOC Station P, IPOC Station P, etc.

WEL 01 05:16:30.0, 40.85S:0.6:175E, h32km±1km, ML3.8/13, North Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Otaki Gorge, Kapiti Island, Cannon point, Holdsworth Sta, Mangatainoka R, Mount Morrison, etc.

ISC/JB 01 05:33:46.3±0.6, 35.10S:0.07:108.4W:0.1, h10km, mb4.5/27, MS4.5/4, Error ellipse: s-maj=14.4km s-min=9.1km az=149.0

IDC 01 05:33:46.3±0.6, 35.16S:108.33W, h0km, mb4.3/14, mb1 4.4/5, ms1mx4.4/30, mbtmp4.3/15, ML4.0/1, MS4.4/5, MS1 4.4/5, ms1mx4.1/30, Error ellipse: s-maj=21.6km s-min=18.8km az=87.0

GCMT 01 05:33:47.0±0.4, 35.27S:0.03:108.24W:0.3, h12km, MW5.5/49, Moment Tensor Solution, s37,c45; s49,c64; Duration: 1s1 Moment tensor: Scale 107N4m; Mn:0.85e;07; Mo:1.62e;10; Mw:0.77e;08; Mw:0.28e;19; Mw:1.47e;06; Mw:1.02e;16; Best double couple; Mo1:1.93500e+107 NP1:0.2080000e+881.00000e+7, 1.650000e+107 NP2:0.1000000e+875.00000e+10.00000e+7; Principal axes: T: 1.5370; P: 17.0000; Az: 664.0000; N: 0.8010; Pl: 22.0000; Az: 257.0000; P: 2.3330; Pl: 4.0000; Az: 155.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 01 05:33:47.0±0.5, 35.17S:108.43W, h10km, mb4.8/18 Error ellipse: s-maj=14.1km s-min=11.6km az=50.0

ISC 01 05:33:47.9±0.7, 35.15S:0.09:108.4W:0.1, h10km, n92, ±159/85, mb4.7/27, MS4.5/4, Southern East Pacific Rise

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Rapa Nui, Rapa Nui, Rapa Nui, etc.

Table with columns: RPN, Rapa Nui, 8.04 354 Pn, Pn, 05 35 46.2 +1.5, etc. Includes stations like Rapa Nui, Rapa Nui, Rapa Nui, etc.

SJA 01 05:35:34.8±0.5, 28.23S:71.18W, h29km, 5km, ML3.4, MW3.9

ISC/JB 01 05:35:35.7±1.2, 28.08S:0.04:71.1W:0.2, h38km, Error ellipse: s-maj=22.5km s-min=5.2km az=5.0

GUC 01 05:35:35.0±0.6, 28.15S:70.59W, h49km, 7km, ML3.7

ISC 01 05:35:36.5±1.6, 28.10S:0.04:71.1W:0.1, h38km, n11, ±152/16, 1D, Near coast of central Chile

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like Las Campanas, Las Campanas, Las Campanas, etc.











MCK	McKinley	82.33	19	eP	P	05 49 01.1	-2.0
MCK	McKinley			LR	LR		
MCK	McKinley	82.33	19	eP	P	05 49 01.1	-2.0
MCK	McKinley			MLR	MLR		
DHY	Denali Highway	82.38	20	eP	P	05 49 02.8	-0.6
DHY	Denali Highway			LR	LR		
BWN	Browne	82.48	18	eP	P	05 49 02.9	-0.9
BWN	Browne			LR	LR		
IM3	Indian Mountain	82.61	16	eP	P	05 49 02.6	-1.8
HARP	HAARP	82.68	21	eP	P	05 49 04.3	-0.6
MLY	Manley	82.73	17	eP	P	05 49 04.1	-1.0
MLY	Manley			LR	LR		
MCCM	Marconi Confer	82.79	49	PFAKE	LR	05 49 20.0	+1.4
MCCM	Marconi Confer			LR	LR		
KCPM	Cahto Peak	82.81	47	PFAKE	LR	05 49 20.0	+1.4
KCPM	Cahto Peak			LR	LR		
JCC	Jacoby Creek	82.90	46	PFAKE	LR	05 49 20.0	+1.4
JCC	Jacoby Creek			LR	LR		
KMRM	Mail Ridge	82.92	47	eP	P	05 49 05.5	-1.2
KMRM	Mail Ridge			LR	LR		
DIB	Dawson Inlet	82.92	32	PFAKE	LR	05 49 20.0	+1.4
DIB	Dawson Inlet			LR	LR		
HOPS	Hopland Field	82.94	48	eP	P	05 49 05.8	-0.9
HOPS	Hopland Field			LR	LR		
YKJU	Yakutat	82.95	25	PFAKE	LR	05 49 20.0	+1.4
YKJU	Yakutat			LR	LR		
GDXM	Geysers	83.08	48	eP	P	05 49 09.2	+1.6
GDXM	Geysers			LR	LR		
WRH	Wood River Hill	83.12	18	eP	P	05 49 07.5	+0.5
WRH	Wood River Hill			LR	LR		
KHMM	Horse Mountain	83.13	46	eP	P	05 49 08.3	+0.5
KHMM	Horse Mountain			LR	LR		
SAO	San Andreas Ge	83.40	51	eP	P	05 49 09.4	+0.3
SAO	San Andreas Ge			LR	LR		
MDM	Murphy Dome	83.42	18	eP	P	05 49 07.4	-1.3
MDM	Murphy Dome			LR	LR		
HDA	Harding Lake	83.44	19	eP	P	05 49 07.7	-1.0
HDA	Harding Lake			LR	LR		
HDA	Harding Lake	83.44	19	eP	P	05 49 06.3	-2.4
HDA	Harding Lake			LR	LR		
KEBM	Edson Butte	83.44	44	PFAKE	LR	05 49 20.0	+1.1
KEBM	Edson Butte			LR	LR		
TCOL	TCO, UAF Yank	83.47	18	P	P	05 49 06.4	-2.5
COLA	College	83.48	18	eP	P	05 49 08.1	-0.7
COLA	College			LR	LR		
COLA	College	83.48	18	eP	P	05 49 08.1	-0.7
COLA	College			MLR	MLR		
SIT	Sitka	83.48	28	PFAKE	LR	05 49 20.0	+1.1
SIT	Sitka			LR	LR		
MOY	Moody	83.53	326	eP	P	05 49 09.5	-0.1
MOY	Moody			MLR	MLR		
O02D	Mt. Diablo Mer	83.56	47	P	P	05 49 07.0	-3.0
RIDG	Independence Rid	83.67	20	eP	P	05 49 09.3	-0.7
RIDG	Independence Rid			LR	LR		
L02E	Cave Junction	83.68	45	P	P	05 49 06.7	-3.8
ILAR	Eielson Array	83.70	19	eP	P	05 49 08.6	-1.5
ILAR	Eielson Array			LR	LR		
ILAR	Eielson Array	83.70	19	eP	P	05 49 08.8	-1.2
ILAR	Eielson Array			LR	LR		
CRAG	Craig	83.72	30	PFAKE	LR	05 49 20.0	+1.0
CRAG	Craig			LR	LR		
POKR	Poker Plat Res	83.77	18	P	P	05 49 07.2	-3.2
J01E	Myrtle Point	83.82	44	P	P	05 49 07.1	-4.0
K02D	Willamette Mer	83.83	44	P	P	05 49 07.6	-3.8
DOT	Dot Lake	83.87	20	eP	P	05 49 09.9	-1.1
DOT	Dot Lake			LR	LR		
WDC	Whiskeytown Da	83.88	47	eP	P	05 49 10.7	-0.8
WDC	Whiskeytown Da			LR	LR		
WDC	Whiskeytown Da	83.88	47	eP	P	05 49 10.7	-0.8
WDC	Whiskeytown Da			MLR	MLR		
N02D	Trinity Center	83.89	46	P	P	05 49 07.6	-4.1
M02C	Callahan	83.94	46	P	P	05 49 09.5	-2.4
SC2Z	Santa Cruz Isl	83.94	54	P	P	05 49 07.7	-4.3
PAGB	Antelope Grade	83.99	52	eP	P	05 49 12.8	+0.5
PAGB	Antelope Grade			LR	LR		
SBC	Santa Barbara	84.01	53	P	P	05 49 09.1	-3.2
SMMC	Simmier	84.06	52	P	P	05 49 09.9	-2.7
PKM	Mpherson Peak	84.07	53	P	P	05 49 09.7	-3.1
SCRK	Sand Creek	84.11	20	eP	P	05 49 11.2	-1.1
SCRK	Sand Creek			LR	LR		
YBH	Yreka Blue Hor	84.16	46	eP	P	05 49 12.2	-0.8
YBH	Yreka Blue Hor			LR	LR		
YBH	Yreka Blue Hor	84.16	46	eP	P	05 49 12.2	-0.8
YBH	Yreka Blue Hor			MLR	MLR		
I02D	Swishome	84.22	43	P	P	05 49 10.8	-2.3
ORV	Oroville	84.28	48	eP	P	05 49 12.2	-1.4
ORV	Oroville			LR	LR		
ORV	Oroville	84.28	48	eP	P	05 49 12.2	-1.4
ORV	Oroville			MLR	MLR		

ORV	ORV						
HUMO	Hull Mountain	84.29	45	eP	P	05 49 12.8	-0.8
HUMO	Hull Mountain			LR	LR		
O03E	Paynes Creek	84.31	47	P	P	05 49 10.8	-3.0
I03D	Drain, OR	84.41	44	P	P	05 49 11.2	-2.9
BLG	Laguna Peak, P	84.42	54	P	P	05 49 10.9	-3.5
AFDM	Forest Hills D	84.47	49	eP	P	05 49 14.7	+0.1
AFDM	Forest Hills D			LR	LR		
COLD	Coldfoot	84.48	16	PFAKE	LR	05 49 20.0	+6.0
COLD	Coldfoot			LR	LR		
BESE	Bessie Mountai	84.50	27	eP	P	05 49 14.0	-0.4
BESE	Bessie Mountai			LR	LR		
SC12	San Clemente I	84.50	55	P	P	05 49 12.2	-2.6
MAW	Mawson	84.52	202	eP	P	05 49 16.1	+1.8
MAW	Mawson			MLR	MLR		
MAW	Mawson	84.52	202	eP	P	05 49 16.1	+1.8
MAW	Mawson			MLR	MLR		
MAW	Mawson	84.52	202	eP	P	05 49 15.2	+1.0
MAW	Mawson			LR	LR		
JIS	Juneau Island	84.55	27	eP	P	05 49 15.6	+1.2
JIS	Juneau Island			LR	LR		
WRAK	Wrangell Islan	84.56	30	eP	P	05 49 14.5	-0.1
WRAK	Wrangell Islan			LR	LR		
WRAK	Wrangell Islan	84.56	30	eP	P	05 49 14.5	-0.1
WRAK	Wrangell Islan			LR	LR		
ODAN	Odare	84.59	299	eP	P	05 49 16.5	+0.8
HYT	Haines Junctio	84.60	24	eP	P	05 49 13.3	-1.6
HYT	Haines Junctio			LR	LR		
L04D	Klamath Falls	84.61	45	P	P	05 49 12.2	-3.2
CMB	Columbia Colle	84.61	50	eP	P	05 49 15.2	-0.2
CMB	Columbia Colle			LR	LR		
CMB	Columbia Colle	84.61	50	eP	P	05 49 15.2	-0.2
CMB	Columbia Colle			MLR	MLR		
PRP	Porcupine Dome	84.64	18	PFAKE	LR	05 49 30.0	+1.5
PRP	Porcupine Dome			LR	LR		
SKAG	Skagway	84.76	26	eP	P	05 49 15.8	+0.3
SKAG	Skagway			LR	LR		
COR	Corvallis	84.76	43	PFAKE	LR	05 49 30.0	+1.4
COR	Corvallis			LR	LR		
M04C	Macdoel	84.78	46	P	P	05 49 14.0	-2.3
BBB	Bella Bella	84.82	35	PFAKE	LR	05 49 30.0	+1.4
BBB	Bella Bella			LR	LR		
OSI	Osito Audit: C	84.84	53	PFAKE	LR	05 49 30.0	+1.3
OSI	Osito Audit: C			LR	LR		
OSI	Osito Audit: C	84.84	53	P	P	05 49 13.4	-3.2
OSI	Osito Audit: C			LR	LR		
ARVC	Arvin	84.91	53	P	P	05 49 13.2	-3.7
FMP	Fort Macarthur	84.92	54	P	P	05 49 13.8	-3.1
FMP	Fort Macarthur			LR	LR		
YES	Vestal, Richgr	84.92	52	P	P	05 49 13.8	-3.1
YES	Vestal, Richgr			LR	LR		
G03D	McMinnville, O	85.01	42	P	P	05 49 14.5	-2.7
KNGR	Kungurtug, Tuv	85.05	324	iP	P	05 49 17.9	+0.5
I04A	Tendick Farm,	85.08	44	P	P	05 49 15.1	-2.5
J04D	Umpqua Nationa	85.09	44	P	P	05 49 15.9	-2.0
RUBR	Rubicon Trail	85.10	49	eP	P	05 49 18.2	+0.2
RUBR	Rubicon Trail			LR	LR		
HOAD	Lebanon	85.12	43	P	P	05 49 14.3	-3.4
HOAD	Lebanon			LR	LR		
BOK	Bokaro	85.12	295	eP	P	05 49 18.3	+0.1
BOK	Bokaro			IAmb	IAmb		
K04D	Chiloquin, OR	85.13	45	P	P	05 49 14.8	-3.2
PASC	Pasadena Art C	85.14	54	PFAKE	LR	05 49 30.0	+1.2
PASC	Pasadena Art C			LR	LR		
BEKR	Beckworth	85.21	48	eP	P	05 49 17.6	-1.0
BEKR	Beckworth			LR	LR		
MWC	Mount Wilson	85.25	54	eP	P	05 49 16.8	-2.1
MWC	Mount Wilson			LR	LR		
MWC	Mount Wilson	85.25	54	eP	P	05 49 16.8	-2.1
MWC	Mount Wilson			MLR	MLR		
RAMN	Ranite	85.29	298	eP	P	05 49 19.9	+0.6
RAMN	Ranite			LR	LR		
ISA	Isabella, Lake	85.34	52	eP	P	05 49 17.3	-1.8
ISA	Isabella, Lake			LR	LR		
ISA	Isabella, Lake	85.34	52	eP	P	05 49 17.3	-1.8
ISA	Isabella, Lake			MLR	MLR		
ISA	Isabella, Lake	85.34	52	P	P	05 49 14.2	-4.9
ISA	Isabella, Lake			LR	LR		
NLWA	Neilton Lookou	85.42	40	PFAKE	LR	05 49 30.0	+1.1
NLWA	Neilton Lookou			LR	LR		
FYU	Fort Yukon	85.43	18	eP	P	05 49 18.4	-0.3
FYU	Fort Yukon			LR	LR		

SHOC	baz=250 Shoshone, Teco	87.12	53	P	P	05 49 25.8	-2.1
I07A	izee comp=Z,21nm,1.3s	87.16	44	eP	P	05 49 27.3	-0.6
BC3	Big Chuckawall baz=255,SNR=7.4	87.18	55	P	P	05 49 24.9	-3.4
WVOR	Wild Horse Val comp=Z,35nm,1.4s	87.25	46	eP	P	05 49 27.9	-0.5
WVOR	comp=Z,6um,19.0s			LR	LR		
TUQC	Turquoise Mountain baz=254,SNR=11	87.28	53	P	P	05 49 25.9	-2.8
GMRC	Granite Mounta baz=254,SNR=9.4	87.31	54	P	P	05 49 23.8	-5.1
LTY	Liberty comp=Z,15nm,1.1s	87.37	41	eP	P	05 49 28.5	-0.6
LTY	comp=Z,5um,19.0s			LR	LR		
TPNV	Topopah Spring comp=Z,57nm,1.8s	87.43	52	eP	P	05 49 27.0	-2.5
TPNV	comp=Z,10um,18.0s			LR	LR		
TPNV	Topopah Spring comp=Z,57nm,1.8s	87.43	52	eP	P	05 49 27.0	-2.5
TPNV	comp=Z,10um,18.0s			MLR	MLR		
TPNV	Topopah Spring baz=254,SNR=7.5	87.43	52	P	P	05 49 26.7	-2.8
HVS	Khovu-Aksy baz=254,SNR=7.5	87.48	323	iP	P	05 49 29.8	+0.5
HVS	comp=Z,1.0nm,1.1s			pmax	pmax		
C06D	Leavenworth baz=250	87.49	40	P	P	05 49 24.8	-4.5
GLA	Glamis comp=Z,39nm,1.1s	87.53	56	eP	P	05 49 29.5	-0.4
GLA	comp=Z,11um,18.0s			LR	LR		
GLA	Glamis comp=Z,39nm,1.1s	87.53	56	eP	P	05 49 29.5	-0.4
GLA	comp=Z,11um,18.0s			MLR	MLR		
GLA	Glamis baz=255,SNR=6.4	87.53	56	P	P	05 49 27.7	-2.2
IRM	Iron Mountain baz=255,SNR=18	87.56	55	P	P	05 49 27.8	-2.2
J08A	Circle Bar Ran comp=Z,22nm,1.1s	87.64	45	eP	P	05 49 28.9	-1.4
J08A	comp=Z,3um,18.0s			LR	LR		
BMN	Battle Mountai comp=Z,3um,18.0s	87.68	48	PFAKE	LR	05 49 40.0	+9.4
E07A	Sunnyside LLLB	87.71	42	eP	P	05 49 29.7	-0.7
LLLB	Lillooet comp=Z,46nm,1.8s	87.80	37	eP	P	05 49 29.9	-0.8
LDFC	Landfair comp=Z,38nm,1.1s	87.82	54	eP	P	05 49 30.3	-1.1
LDFC	comp=Z,14um,18.0s			LR	LR		
HAWA	Hanford comp=Z,37nm,1.4s	87.87	42	eP	P	05 49 30.8	-0.3
HAWA	comp=Z,4um,20.0s			LR	LR		
G08A	Pilot Rock MDRS	87.90	43	eP	P	05 49 30.6	-0.8
Y12C	Chennai Blythe comp=Z,25nm,1.1s	87.95	55	eP	P	05 49 31.6	-0.2
Y12C	comp=Z,8um,18.0s			LR	LR		
Y12C	Blythe comp=Z,5nm,1.1s	87.95	55	P	P	05 49 29.1	-2.7
DANN	Dangsing comp=Z,5nm,1.1s	88.08	299	eP	P	05 49 32.5	-0.4
KOLN	Koldanda comp=Z,116nm,1.7s	88.08	299	eP	P	05 49 32.6	-0.2
NEE2	Needles Airpor baz=257	88.13	54	P	P	05 49 30.6	-2.1
SHPR	Sheep Range comp=Z,46nm,1.6s	88.16	52	eP	P	05 49 32.0	-1.0
SHPR	comp=Z,8um,19.0s			LR	LR		
E08A	Dider Farm, El comp=Z,11nm,1.3s	88.21	42	eP	P	05 49 31.8	-0.9
SRIG	Santa Rosalia SRIG	88.30	62	PFAKE	LR	05 49 40.0	+6.4
113A	Michaux Valley comp=Z,45nm,1.8s	88.32	56	eP	P	05 49 33.3	-0.3
113A	comp=Z,11um,19.0s			LR	LR		
R11A	Troy Canyon, C comp=Z,11nm,1.3s	88.32	51	eP	P	05 49 32.7	-1.0
R11A	Troy Canyon, C baz=257	88.32	51	P	P	05 49 32.0	-1.7
PDMCI	Parker Dam, Lak baz=255,SNR=7.5	88.40	55	P	P	05 49 31.8	-2.1
D08A	Wollman Farm, B08A	88.48	41	eP	P	05 49 33.1	-0.9
PYUN	Colville Reser Pluthan comp=Z,74nm,1.3s	88.68	299	eP	P	05 49 35.2	-0.5
W13A	Hualapai Mount comp=Z,35nm,1.6s	88.80	54	eP	P	05 49 35.0	-1.1
W13A	comp=Z,11um,18.0s			LR	LR		
E09A	Wood Farm, Sta E09A	88.82	42	PFAKE	LR	05 49 50.0	+1.4
BMO	Blue Mountains comp=Z,4um,20.0s	88.89	44	eP	P	05 49 35.5	-0.6
BMO	Blue Mountains comp=Z,36nm,1.6s	88.89	44	eP	P	05 49 35.5	-0.6
214A	Organ Pipe Nat baz=256,SNR=7.5	88.91	57	P	P	05 49 33.1	-3.4
WMQ	Urumqi comp=Z,36nm,1.6s	89.00	315	P	P	05 49 37.5	+0.9
WMQ	comp=Z,3um,22.5s			sP	sP	05 49 44.4	-0.9
WMQ	comp=Z,106nm,1.8s			sS	sS	06 00 05.7	-0.4
WMQ	comp=Z,2um,20.0s			SS	SS	06 00 35.9	+5.2
ELK	Elko comp=Z,32nm,1.6s	89.21	48	eP	P	05 49 36.9	-1.0
ELK	comp=Z,4um,18.0s			LR	LR		
ELK	Elko comp=Z,33nm,1.6s	89.21	48	eP	P	05 49 36.9	-1.0
ELK	comp=Z,3um,22.5s			MLR	MLR		
Y14A	Wickenburg comp=Z,12nm,1.3s	89.22	55	eP	P	05 49 37.4	-0.5
Y14A	comp=Z,10um,18.0s			LR	LR		
F10A	Beach Ranch, E comp=Z,109nm,1.9s	89.27	43	eP	P	05 49 36.7	-1.2
F10A	comp=Z,4um,19.0s			LR	LR		
MFID	Camas Ranch comp=Z,55nm,2.0s	89.51	46	eP	P	05 49 38.4	-0.7
MFID	comp=Z,5um,19.0s			LR	LR		
SLBS	Sierra La Lagu comp=Z,5um,19.0s	89.52	66	PFAKE	LR	05 49 50.0	+1.0
SLBS	comp=Z,11nm,1.0s			LR	LR		
PSUT	Pine Spring comp=Z,11nm,1.0s	89.68	51	eP	P	05 49 39.7	-0.5

PSUT	comp=Z,9um,19.0s			LR	LR		
LCMT	Little Creek M comp=Z,32nm,1.3s	89.77	52	eP	P	05 49 40.1	-0.4
HSG	HISIG comp=Z,12um,18.0s	89.80	60	PFAKE	LR	05 49 50.0	+9.4
CCUT	Cedar City comp=Z,54nm,1.7s	89.81	52	eP	P	05 49 40.1	-0.7
CCUT	comp=Z,9um,20.0s			LR	LR		
NEW	Newport comp=Z,39nm,1.9s	90.00	41	eP	P	05 49 40.1	-1.1
NEW	comp=Z,4um,19.0s			LR	LR		
NEW	Newport comp=Z,39nm,1.9s	90.00	41	eP	P	05 49 40.1	-1.1
NEW	comp=Z,3um,19.0s			pmax	pmax		
NEW	Newport comp=Z,4um,19.0s	90.00	41	P	MLR	05 49 37.2	-4.0
NEW	Newport baz=253	90.00	41	P	P	05 49 40.8	-1.0
SZCU	Shurtz Canyon comp=Z,21nm,1.2s	90.03	52	eP	P	05 49 40.8	-1.0
SZCU	comp=Z,8um,20.0s			LR	LR		
INK	Inuvik comp=Z,17nm,1.4s	90.09	19	eP	P	05 49 41.3	+0.3
INK	comp=Z,4um,20.0s			LR	LR		
INK	Inuvik comp=Z,7.4nm,1.2s,baz=164,slow=6.2,SNR=7.5	90.09	19	P	P	05 49 40.6	-0.5
KNB	Kanab comp=Z,35nm,1.2s	90.10	52	eP	P	05 49 42.0	-0.1
KNB	comp=Z,7um,19.0s			LR	LR		
KNB	Kanab comp=Z,35nm,1.2s	90.10	52	eP	P	05 49 42.0	-0.1
KNB	comp=Z,7um,19.0s			MLR	MLR		
TRD	Triandrum JBP	90.19	279	eP	P	05 49 42.2	-0.6
JBP	Jabalpur ex	90.26	293	eP	x	05 49 44.3	+1.5
U15A	North Rim comp=Z,20nm,0.9s	90.38	53	eP	P	05 49 43.5	0.0
U15A	comp=Z,7um,18.0s			LR	LR		
HYB	Hyderabad comp=Z,7um,18.0s	90.41	288	iP	P	05 49 43.5	-0.3
HYB	Hyderabad comp=Z,7um,18.0s	90.41	288	eP	IAMB	05 49 43.5	-0.3
HLID	Hailey comp=Z,14nm,1.1s	90.54	46	eP	P	05 49 43.5	-0.5
HLID	comp=Z,7um,18.0s			LR	LR		
HLID	Hailey baz=255	90.54	46	P	P	05 49 41.9	-2.1
X16A	Lo Mia Camp, P comp=Z,8.9nm,0.9s	90.59	55	eP	P	05 49 44.5	0.0
X16A	comp=Z,6um,18.0s			LR	LR		
PKCU	Pink Cliffs comp=Z,63nm,1.4s	90.60	52	eP	P	05 49 44.4	-0.2
PKCU	comp=Z,7um,18.0s			LR	LR		
TUC	Tucson comp=Z,11nm,1.2s	90.66	57	eP	P	05 49 44.5	-0.2
TUC	comp=Z,11um,19.0s			LR	LR		
TUC	Tucson comp=Z,11um,19.0s	90.66	57	eP	P	05 49 44.5	-0.2
TUC	comp=Z,11nm,1.2s			MLR	MLR		
TUC	Tucson comp=Z,11um,19.0s	90.66	57	P	P	05 49 44.6	-0.1
TUC	baz=257			IAMB	IAMB	05 49 44.6	-0.4
NGP	Nagpur comp=Z,19nm,1.4s	90.69	291	eP	x	05 49 45.8	-0.4
NGP	comp=Z,19nm,1.4s			IAMB	IAMB	05 49 45.8	-0.4
NGP	Three Creeks R TCRU	90.77	51	eP	x	06 00 41.6	+0.5
TCRU	comp=Z,13um,18.0s			PFAKE	LR	05 50 00.0	+15
DGZ	Jazzator, Alu comp=Z,7.0nm,1.3s	90.83	321	dIP	P	05 49 44.8	-0.4
DGZ	comp=Z,2um,18.0s			MLR	MLR		
MTPU	Mount Pierson comp=Z,21nm,1.0s	90.84	51	eP	P	05 49 45.4	-0.4
MTPU	comp=Z,9um,21.0s			LR	LR		
DUG	Dugway, Tocoee comp=Z,18nm,1.3s	90.87	49	eP	P	05 49 45.1	-0.5
DUG	comp=Z,6um,19.0s			LR	LR		
DUG	Dugway, Tocoee comp=Z,18nm,1.3s	90.87	49	eP	P	05 49 45.1	-0.5
DUG	comp=Z,6um,19.0s			MLR	MLR		
DUG	Dugway, Tocoee baz=256	90.87	49	P	P	05 49 43.4	-2.2
BGU	Big Grassy Mou comp=Z,30nm,1.5s	90.88	49	eP	P	05 49 45.2	-0.4
BGU	comp=Z,3um,20.0s			LR	LR		
WUAZ	Wupatki comp=Z,22nm,1.2s	90.89	54	eP	P	05 49 44.2	-1.7
WUAZ	comp=Z,7um,19.0s			LR	LR		
WUAZ	Wupatki baz=257	90.89	54	P	P	05 49 42.9	-2.9
MSU	Marysvale comp=Z,9um,21.0s	90.95	51	eP	P	05 49 45.5	-0.6
MSU	Marysvale comp=Z,9um,21.0s	90.95	51	eP	P	05 49 45.5	-0.6
HVU	Hansel Valley comp=Z,27nm,1.1s	91.27	48	eP	P	05 49 47.1	-0.3
HVU	comp=Z,4um,19.0s			LR	LR		
HVU	Hansel Valley comp=Z,27nm,1.1s	91.27	48	eP	P	05 49 47.1	-0.3
HVU	comp=Z,4um,19.0s			MLR	MLR		
NLU	North Lily Min comp=Z,20nm,1.1s	91.36	50	eP	P	05 49 47.4	-0.5
NLU	comp=Z,10um,18.0s			LR	LR		
SPUT	South Promont comp=Z,60nm,2.0s	91.40	48	eP	P	05 49 47.3	-0.7
SPUT	comp=Z,3um,18.0s			LR	LR		
DGAR	Diego Garcia comp=Z,4um,18.0s	91.54	262	PFAKE	LR	05 50 00.0	+11
DGAR	Missoula comp=Z,3um,19.0s	91.69	43	PFAKE	LR	05 50 00.0	+11
MSO	Maple Canyon comp=Z,15nm,1.1s	91.70	50	eP	P	05 49 48.5	-1.0
MPU	comp=Z,9um,20.0s			LR	LR		
319A	Douglas comp=Z,33nm,1.4s	91.71	59	eP	P	05 49 49.0	-0.7
319A	comp=Z,11um,18.0s			LR	LR		
CTU	Camp Tracy comp=Z,25nm,1.2s	91.77	49	eP	P	05 49 48.9	-0.9
CTU	comp=Z,5um,20.0s			LR	LR		
Q16A	Castle Valley comp=Z,39nm,1.5s	91.81	51	eP	P	05 49 49.2	-0.8
Q16A	comp=Z,10um,18.0s			LR	LR		
X18A	Snowflake comp=Z,14nm,1.1s	91.82	55	eP	P	05 49 50.0	-0.2
X18A	comp=Z,6um,18.0s			LR	LR		
ZSN	Zaisan comp=Z,32nm,2.0s	91.88	318	dIP	P	05 49 49.1	-0.8
ZSN	comp=Z,220nm,13.0s			MLR	MLR		
ZSN	Zaisan comp=Z,32nm,2.0s	91.88	318	dIP	P	05 49 49.1	-0.8
ZSN	comp=Z,220nm,13.0s			eLRM	MLR	06 31 30.8	

HWUT	Hardware Ranch comp=Z,4.1nm,0.9s	92.11	48	eP	P	05 49 51.6	+0.2
W18A	Petrified Fore comp=Z,6um,18.0s	92.11	55	PFAKE	LR	05 50 00.0	+8.5
W18A	Petrified Fore baz=258	92.11	55	P	P	05 49 49.1	-2.4
TCUT	Toone Canyon comp=Z,45nm,1.5s	92.12	49	eP	P	05 49 50.2	-1.3
TCUT	comp=Z,5um,20.0s			LR	LR		
DLMT	Dillon comp=Z,17nm,1.0s	92.24	44	eP			





1d 6h

Table with columns for station name, frequency, and various parameters. Includes stations like AKASG Malin Array Be, AKASG Malin Array Si, AKB Malin Array Si, etc.

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Table with columns for station name, frequency, and various parameters. Includes stations like CLL Moravy, KUD Morava-Piesok, MODS Morava-Piesok, etc.

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Table with columns for station name, frequency, and various parameters. Includes stations like PESTR Estremoz, PESTR Estremoz, PMAFR Mafr, etc.

NEIC 01 05:44:28.2, 0.0, 18.18N-67.40W, h10km, MD2.8(RSPR), After RSPR, NEIC Fellt at Villalba, RSPR 01 05:44:28.2, 18.18N-67.40W, h10km, MD2.8/10, 23C, Mona Passage

Table with columns for Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MPR Mayaguez, MPR Mayaguez, MPR Mayaguez, etc.

IDC 01 05:56:42.5-1.6, 14:04S-72.82W, h83km, 22km, mb3.0/1, mb1 3.6/4, mb1mx3/3.0, mbtmp3.8/4, Error ellipse: s-maj=78.3km s-min=11.4km az=28.0, Central Peru

Table with columns for Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NNA Nana, NNA Nana, LPAZ La Paz, etc.

IDC 01 06:10:50.7, 0.8, 20.49S-169.57E, h0km, mb4.3/14, mb1 4.4/15, mb1mx4.2/43, mbtmp4.3/15, M4.3/1, MS4.5/1, Ms1 4.5/1, ms1mx3.6/22, Error ellipse: s-maj=25.0km s-min=17.3km az=135.0, NEIC 01 06:10:50.7, 0.8, 20.49S-169.57E, h31km, 25km, mb4.5/15, Error ellipse: s-maj=14.1km s-min=10.9km az=151.0, ISCJB 01 06:10:57.9, 0.4, 20.50S-0.07, 169.23E, 0.07, h55km, mb4.5/26, MS4.5/1, Error ellipse: s-maj=12.6km s-min=5.0km az=44.9, ISC 01 06:10:58.9, 0.5, 20.5S-0.1, 169.4E, 0.1, h55km, n88, r128/91, mb4.4/26, 1C, Vanuatu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MARE, Loyalty, PINNAC, Pines Island, MONT, Dzumac, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WAI, Matatini S, MATA, Matakaoa Point, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MARE, Loyalty, PINNAC, Pines Island, etc.

ML4.5(WEL) After WEL. WEL 01 06:13:25.5.1.1, 37.5N, 12.1W, 18.0E, h33km, ML4.7/12. ISC 01 06:13:24.6.1.1, 37.345N, 0.06.179.89E, 0.07, h34km, 3km, n99, e207/126, mb4.5/10, Off east coast of North Island

ML4.5(WEL) After WEL. WEL 01 06:13:25.5.1.1, 37.5N, 12.1W, 18.0E, h33km, ML4.7/12. ISC 01 06:13:24.6.1.1, 37.345N, 0.06.179.89E, 0.07, h34km, 3km, n99, e207/126, mb4.5/10, Off east coast of North Island

mb3.4/3, Error ellipse: s-maj=7.2km s-min=-4.9km az=160.2. IDC 01 06:19:48.0.1.2, 36.15N, 136.77E, h0km, mb3.4/3, mb1 3.5/5, mb1mx3.3/52, mbmtmp3.4/5, ML3.3/2, Error ellipse: s-maj=18.1km s-min=12.4km az=171.0

ISCJB 01 06:13:23.0.0.3, 37.21S, 179.98W, h53km, mb4.4/7, NEIC 01 06:13:23.0.0.3, 37.21S, 179.98W, h53km, mb4.4/7, ISCJB 01 06:19:47.6.0.6, 36.15N, 0.04, 136.77E, 0.07, h3km, 6km, az=172.0









TKM2 Tokmak 2 2.25 307 fP Pb 07 07 18.2 -1.2
TKM2 baz=7.0 fS Sb 07 07 46.1 -0.7

NEIC 01 07:13:07.8-5.0, 8.45N-83.15W, h11km, 29km, mb4.4/5, ML4.3(UCR), Error ellipse: s-maj=31.8km s-min=10.5km az=197.0

NEIC Felt at Ciudad Cortes, Gollito, Neily, Rio Claro and San Vito.
IDC 01 07:13:08.4-2.4, 9.07N-82.92W, h0km, mb3.7/6, mb1 4.0/9, mb1mx3.7/39, mbmp3.7/9, ML3.9/2, Error ellipse: s-maj=74.0km s-min=19.3km az=26.0

ISC/JB 01 07:13:09.7-0.5, 8.60N-0.04E-83.20W, 0.03, h23km, 3km, mb3.9/10, Error ellipse: s-maj=7.7km s-min=3.5km az=19.6

UCR 01 07:13:09.3-2.6, 8.67N-83.16W, h4km, 7km, MD4.2, mb4.0(NEIC)
ISC 01 07:13:09.8-0.8, 8.63N-0.04E-83.19W, 0.03, h17km, 5km, n51, c151/63, mb4.0/10, 1C, Costa Rica

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their recorded events.

IDC 01 07:14:03.9-3.2, 36.36N-70.90E, h193km, 26km, mb3.1/6, mb1 3.2/12, mb1mx3.0/56, mbmp3.7/12, Error ellipse: s-maj=29.7km s-min=20.7km az=156.0

NCC 01 07:14:08.5-3.2, 36.99N-70.57E, h0km, mb4.3, mpv3.9, Error ellipse: s-maj=28.3km s-min=23.6km az=126.0
ISC 01 07:14:04.0-1.0, 36.46N-0.10E-70.80E, 0.09, h188km, n28, c172/34, mb3.3/5, 6C-4D, Hindu Kush region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their recorded events.

Table with columns: MDOK, Medeo, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations in Medeo and their recorded events.

NCC 01 07:23:15.9-8.0, 53.71N-88.36E, h0km, mb3.6, mpv3.2, 3C-4D, Error ellipse: s-maj=63.2km s-min=39.1km az=50.0, Suspected Mining explosion., Southwestern Siberia

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations in Siberia and their recorded events.

SOME 01 07:24:23.0, 42.48N-79.58E, h15km, NCC 01 07:24:24.0-0.7, 42.59N-79.58E, h0km, mb3.2, mpv3.1, Error ellipse: s-maj=4.8km s-min=2.4km az=136.0

KRNET 01 07:24:24.0-0.1, 42.58N-79.56E, h18km, mb2.9, ISC 01 07:24:23.5-1.1, 42.56N-0.05E-79.56E, 0.05, h5km, 10km, n37, c159/68, 16C-15D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their recorded events.

Table with columns: KAPS, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Lists seismic stations in Kaps and their recorded events.

IDC 01 07:25:03.6-2.1, 5.67S-151.56E, h0km, mb3.6/4, mb1 3.9/4, mb1mx3.5/40, mbtmp3.6/4, Error ellipse: s-maj=114.2km s-min=28.8km az=128.0, New Britain region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their recorded events.

SOME 01 07:27:06.8, 42.60N-79.75E, h10km, KRNET 01 07:27:06.0-0.1, 42.58N-79.64E, h21km, mb2.3, NCC 01 07:27:06.3-1.8, 42.69N-79.66E, h0km, mb2.7, mpv2.7, Error ellipse: s-maj=5.4km s-min=5.4km az=149.0

ISC 01 07:27:06.0-2.1, 42.58N-0.06E-79.65E, 0.08, h5km, 11km, n20, c058/39, 15C-3D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their recorded events.

SOME 01 07:33:43.9, 42.57N-79.65E, h5km, KRNET 01 07:33:43.6-0.1, 42.55N-79.63E, h16km, mb2.3, NCC 01 07:33:44.2-1.1, 42.59N-79.63E, h0km, mb2.7, mpv2.8, Error ellipse: s-maj=7.4km s-min=3.4km az=155.0

ISC 01 07:33:42.4-1.6, 42.55N-0.05E-79.65E, 0.05, h15km, 12km, n26, c114/50, 9C-8D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, ISC. Lists various seismic stations and their recorded events.













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1d 10h

Table with columns: KDJ, ULHL, ULHL, BOOM, BOOM, KAPS, KAPS, KAPS, NRN, NRN, TKM2, TKM2, ARLS, ARLS, Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes data for stations like Denizli, Karahalli, KAVLA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes data for stations like BM3, FYU, PS04, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, ISC. Includes data for stations like MK31, MKAR, MKAR, etc.

IDC 01 10:16:48.9:62.0, 20.92S:178.56W, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.5/27, mbtmp3.6/3, Error ellipse: s-maj=113.0km s-min=155.7km az=83.0, Fiji Islands region

ASRS 01 10:29:05.8:53.60N:87.77E, M2.9, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

IDC 01 10:39:47.2:1.9, 11.01S:165.38E, h0km, mb3.4/3, mb1 3.8/4, mb1mx3.5/43, mbtmp3.6/4, ML3.9/1, Error ellipse: s-maj=52.6km s-min=33.7km az=126.0, Santa Cruz Islands

EDRZ		S	S	10 44 47.2	+4.2
TOZ	Tahuroa Road	12.13 201	P	10 42 33.4	+2.3
MWZ	Matawai	12.17 193	P	10 42 29.5	-0.7
MWZ			P	10 44 42.4	-1.4
MWZ	Matawai	12.17 193	P	10 44 44.3	+0.4
KARZ	Kaharoa	12.18 198	P	10 44 36.6	+1.8
URZ	Urewera	12.19 195	eP	10 44 29.0	-0.8
URZ			eP	10 44 43.4	-0.7
URZ	Urewera	12.19 195	eP	10 42 29.8	-0.4
URZ	12nm,0.3s,baz=282,slow=3.4,SNR=127		S	10 44 43.4	-0.7
URZ	20nm,0.3s,baz=107,slow=17,SNR=20		P	10 42 29.3	-1.0
URZ	Urewera	12.19 195	P	10 44 41.8	-2.3
URZ			P	10 44 41.8	-2.3
URZ	Urewera	12.19 195	P	10 44 43.4	+0.7
CNGZ	Carnagh Statio	12.19 190	P	10 42 30.6	+0.4
CNGZ			P	10 44 39.9	+5.2
CNGZ	Carnagh Statio	12.19 190	P	10 44 36.5	-7.6
TKGZ	Te Karaka	12.21 192	P	10 42 29.3	-1.2
TKGZ			P	10 44 40.2	-4.4
TKGZ	Te Karaka	12.21 192	P	10 44 40.2	-4.4
TARZ	Mount Tarawera	12.31 197	P	10 42 33.1	-0.2
TARZ			Pn	10 44 51.4	+4.7
UTU	Utuhina	12.34 198	P	10 42 37.0	+3.5
RAGZ	Rawiri	12.35 193	P	10 42 33.9	+0.2
RAGZ			P	10 44 47.4	+0.1
RAGZ			P	10 44 43.4	-0.1
RAGZ	Rawiri	12.35 193	P	10 42 35.8	+0.7
RRRZ	Highlands Stat	12.37 197	P	10 42 35.8	+1.4
RRRZ	Republican Roa	12.40 197	P	10 44 50.8	+2.3
RRRZ			P	10 44 51.9	+3.4
RRRZ	Republican Roa	12.40 197	P	10 42 36.7	+1.8
HSRZ	Hossack Road	12.45 197	P	10 42 35.0	-0.4
MUGZ	Murupara	12.47 195	P	10 44 48.8	-1.1
MUGZ			P	10 42 32.7	-0.9
RIGZ	Rimuhau	12.48 192	P	10 44 47.8	-2.4
RIGZ			P	10 44 44.4	-5.8
RIGZ	Rimuhau	12.48 192	P	10 42 37.2	+1.6
HRRZ	Handcock Road	12.51 197	P	10 42 37.2	+1.6
HRRZ	Galatos Road	12.52 198	P	10 42 34.5	+0.1
RTZ	Ruatuhuna	12.55 195	P	10 44 49.6	-2.1
RTZ			P	10 44 48.6	-3.1
RTZ	Ruatuhuna	12.55 195	P	10 42 36.4	-0.1
PRRZ	Plateau Road	12.59 197	P	10 44 52.4	+0.2
PRRZ			P	10 44 52.6	+0.4
PRRZ	Plateau Road	12.59 197	P	10 42 35.4	+0.1
SNGZ	Shannon Statio	12.64 193	P	10 44 51.8	-1.4
SNGZ			P	10 44 49.3	-4.0
SNGZ	Shannon Statio	12.64 193	P	10 42 37.3	0.0
ALRZ	Allen Road	12.66 197	P	10 44 44.4	-0.8
ALRZ			P	10 42 38.9	+1.5
WPRZ	Whakapapatarin	12.67 197	P	10 42 37.1	-0.4
WPRZ	Tolley Road	12.67 200	P	10 44 49.8	-4.2
PRGZ	Paritu Road	12.67 191	P	10 44 45.6	-8.4
PRGZ			P	10 44 46.1	-1.0
PRGZ	Paritu Road	12.67 191	P	10 44 50.5	-6.0
KNZ	Kokohu	12.81 192	P	10 42 38.1	+0.8
KNZ			P	10 44 55.1	-1.8
KNZ	Kokohu	12.81 192	P	10 42 37.1	-0.4
MTHZ	Maungataniwha	12.81 195	P	10 42 37.3	0.0
MTHZ			P	10 44 54.5	-2.5
RAHZ	Arahi	12.82 194	P	10 44 55.0	-1.9
RAHZ			P	10 42 39.5	+0.1
MARNC	Mare, Loyalty	12.83 200	eP	10 42 40.9	+0.9
MHGZ	Mahia Peninsul	12.89 191	P	10 44 54.7	+1.1
MHGZ			P	10 44 54.6	-3.7
MHGZ	Mahia Peninsul	12.89 191	P	10 42 40.3	+0.1
PINNC	Pines Island,	12.89 284	P	10 42 40.1	-0.5
WHHZ	Waihua	12.94 193	P	10 44 58.5	-0.9
WHHZ			P	10 42 41.0	+0.2
WAZ	Wairara	12.96 192	P	10 42 41.7	-0.1
Hauti	Hauti	13.05 202	eP	10 42 44.1	+2.2
Hauti			P	10 42 40.0	+0.1
NMHZ	Naumai	13.05 194	P	10 45 03.2	-0.8
ARHZ	Aropoanui	13.17 194	P	10 42 38.3	-3.2
BKZ	Black Stump Fm	13.19 195	eP	10 42 44.4	-1.0
BKZ			P	10 42 43.2	-0.8
KATZ	Kakaramea	13.22 198	P	10 42 44.4	-0.8
WTVZ	West Tongariro	13.38 198	P	10 42 45.5	-0.3
WTVZ	Taurewa	13.38 199	P	10 42 43.7	0.0
MCHZ	McNeill Hill	13.41 194	P	10 45 07.8	-1.0
MCHZ			P	10 42 45.3	-0.8
MCHZ	Ngauruhoe	13.43 198	P	10 42 43.5	-0.8
KWHZ	Kaweka Forest	13.46 195	P	10 45 09.1	-0.7
KWHZ			P	10 42 45.2	+0.7
COVZ	Chateau Observ	13.47 198	P	10 42 44.8	-0.1
TUVZ	Tukino	13.51 198	P	10 42 45.9	+0.7
FWVZ	Far West T-bar	13.52 198	P	10 42 48.3	-3.0
CKHZ	Cape Kidnapper	13.54 193	P	10 45 16.6	+4.7
DRZ	Dome Shelter	13.54 198	P	10 42 45.9	+0.2
TRVZ	Turoa	13.56 198	P	10 42 44.2	-1.7
BHZ	Black Hill Sta	13.61 196	P	10 45 11.5	-1.2
BHZ			P	10 42 46.2	-0.2
MOVZ	Mosawhango	13.61 197	P	10 45 12.8	-0.1
MOVZ			P	10 42 48.8	+0.1
KAHZ	Kahurangi	13.71 193	P	10 42 48.4	-1.1
ONTNC	Ouen Toro	13.86 284	eP	10 42 48.4	-1.1
ONTNC			P	10 42 48.4	-1.1
PXZ	Pawanui	13.94 193	P	10 42 48.4	-1.1
PXZ			P	10 42 48.4	-1.1
DZM	Mont Dzumac	13.95 285	eP	10 42 52.6	0.0
DZM			P	10 42 53.1	+0.5
DZM	Mont Dzumac	13.95 285	eP	10 42 51.6	-1.0
DZM	5.9nm,0.3s,baz=100,slow=10,SNR=5		P	10 45 19.5	-2.3
WPHZ	Waipukurau	14.06 194	P	10 45 25.3	+1.8
WAZ	Wanganui	14.15 199	P	10 45 23.9	-0.7
TSZ	Takapari Road	14.17 196	P	10 45 18.9	-5.9
PRHZ	Porangahau	14.21 194	P	10 45 26.2	-2.9
ANWZ	Angora Road	14.32 194	P	10 45 30.4	-0.8
POWZ	Post Office Ro	14.53 196	P	10 42 57.1	-0.7
BFZ	Birch Farm	14.70 194	eP	10 45 29.1	-5.3
BFZ			P	10 45 31.6	-2.8
BFZ	Birch Farm	14.70 194	eP	10 45 33.5	-3.6
MFRZ	Mangatainokoa R	14.83 196	P	10 45 34.8	-0.5
CPWZ	Castlepoint	14.92 194	P	10 45 05.3	-2.9
SNZO	South Karori	15.67 198	eP	10 45 51.9	-1.7
SNZO			P	10 43 16.8	-1.8
THZ	Tophouse	16.63 202	eS	10 46 10.1	-2.5
THZ	9.2nm,0.7s		S	10 43 20.0	-2.3
KHZ	Kahutara	17.02 199	eP	10 46 17.6	-2.5
KHZ			P	10 43 28.4	-2.1
LTZ	Lake Taylor	17.75 201	eP	10 46 32.0	-2.4
LTZ			P	10 43 32.9	-3.5
OXZ	Oxford	18.31 201	eP	10 46 40.8	-3.9
OXZ	22nm,0.9s		S	10 43 35.5	-1.9
RAR	Rarotonga	18.38 77	eP	10 43 34.6	-3.4
MOZ	McQueen's Vall	18.46 199	eP	10 46 44.7	-2.7
MOZ	3.3nm,0.8s		S	10 43 42.1	-1.5
RPZ	Rata Peaks	18.98 203	eP	10 46 52.5	-4.0
RPZ			P	10 43 42.1	-1.5
RPZ	Rata Peaks	18.98 203	eP	10 46 58.7	+2.2
RPZ	3.0nm,0.3s,baz=342,slow=2.7,SNR=23		S	10 43 45.1	-1.2
FOZ	Fox Glacier	19.28 205	eP	10 46 57.7	-3.7
FOZ	35nm,0.8s		S	10 43 50.4	-1.7
LBZ	Lake Benmore	19.88 203	eP	10 47 00.8	-1.0
LBZ			P	10 43 54.9	-1.0
ODZ	Otahua Downs	20.30 201	eS	10 47 07.4	-1.0
ODZ			P	10 43 57.3	-2.1
WKZ	Wanaka	20.68 205	eS	10 47 17.1	-7.1
WKZ			P	10 44 05.4	-1.3
MLZ	Mavora Lakes	21.48 205	eP	10 44 10.3	-0.5
DCZ	Deep Cove	21.94 207	eP	10 44 10.3	-0.5
WHZ	Wether Hill Ro	21.98 205	eP	10 44 10.3	-0.5
22nm,0.8s			P	26.06 254	P
ARMA	Armidade	26.06 254	P	10 44 50.0	+1.9
ARMA	baz=26,SNR=8.6		P	10 44 49.6	+1.4
MGCD	Mangrove Creek	26.06 254	eP	10 44 56.3	+2.6
MGCD	25nm,0.9s		P	10 44 55.7	+0.3
EIDS	Eidsvold	26.88 266	P	10 44 55.8	+0.5
EIDS	baz=27,SNR=13		P	11 12 00.5	
EIDS	Eidsvold	26.88 266	eP	10 45 11.0	+0.3
EIDS	73nm,0.8s		P	10 45 12.8	+1.3
PBI	Tubuai	26.97 90	eT	10 45 13.7	+1.4
PBI	6.2nm,0.3s		P	10 45 13.3	+0.4
PBI	Paea	28.61 78	eP	10 45 13.1	+0.2
PBI	6.0nm,0.6s		T	10 45 15.8	+2.6
PAE	Paea	28.61 78	eT	10 45 16.3	+1.7
PAE	7.5nm,0.3s		P	10 45 33.6	+0.7
CAN	Camberra	28.71 244	eP	10 45 40.2	+1.2
CAN	95nm,1.0s		P	10 45 40.3	+1.4
RMQ	Roma	28.79 263	P	10 45 43.8	-0.3
RMQ	baz=29,SNR=34		P	10 51 27.1	+0.9
TVO	Taravoa	28.86 79	eP	10 45 46.7	-0.3
TVO	95nm,1.0s		P	10 46 03.7	+1.1
TIAR	Tiareti	28.86 78	eP	10 46 03.4	+0.6
TIAR	56nm,1.0s		P	10 46 03.1	+0.3
MILA	Mila	28.91 241	P	10 45 34.6	+0.8
MILA	baz=29,SNR=5.3		ScP	10 46 04.1	-0.2
YNG	Young	29.07 247	P	10 46 21.5	-0.1
YNG	baz=29,SNR=14		P	10 46 26.1	-0.2
CMSA	Cobar Meteorol	31.17 252	P	10 46 26.2	-0.1
CMSA	baz=31,SNR=50		P	10 46 32.1	+0.9
TOO	Tooolangi	31.87 241	P	10 46 21.0	-0.2
TOO	baz=32,SNR=12		P	10 46 21.5	-0.1
TOO	Tooolangi	31.87 241	eP	10 46 26.1	-0.2
TOO	48nm,0.9s		ScP	10 46 26.2	-0.1
CTA	Charters Tower	32.45 274	P	10 46 26.2	-0.1
CTA	25nm,0.8s,baz=103,slow=9.7,SNR=69		ScP	10 46 26.2	-0.1
CTA			ScP	10 46 26.2	-0.1
CTA	1.1nm,0.9s		ScP	10 46 26.2	-0.1
CTA	25nm,1.0s,baz=129,slow=2.7,SNR=11		ScP	10 46 26.2	-0.1
CTAO	Charters Tower	32.45 274	eP	10 46 26.2	-0.1
CTAO			P	10 46 26.2	-0.1
CLQP	Quilpie	32.79 261	P	10 46 26.2	-0.1
CLQP	baz=33,SNR=25		P	10 46 26.2	-0.1
ARPS	Mount Arapiles	34.65 243	P	10 46 26.2	-0.1
ARPS	baz=35,SNR=7.7		P	10 46 26.2	-0.1
STKA	Stevens Creek	34.66 252	P	10 46 26.2	-0.1
STKA	baz=35,SNR=15		P	10 46 26.2	-0.1
STKA	Stevens Creek	34.66 252	P	10 46 26.2	-0.1
STKA	21nm,0.8s,baz=85,slow=9.7,SNR=23		ScP	10 46 26.2	-0.1
STKA			ScP	10 46 26.2	-0.1
STKA	2.6nm,0.5s,baz=145,slow=9.2,SNR=4.7		ScP	10 46 26.2	-0.1
MSTU	Mount Surprise	34.82 276	P	10 46 26.2	-0.1
MSTU	baz=35,SNR=33		P	10 46 26.2	-0.1
HTT	Halt	36.89 249	P	10 46 26.2	-0.1
HTT	baz=37,SNR=26		P	10 46 26.2	-0.1
COEN	Coen	37.45 282	P	10 46 26.2	-0.1
COEN	baz=37,SNR=43		P	10 46 26.2	-0.1
COEN	Coen	37.45 282	eP	10 46 26.2	-0.1
COEN	90nm,1.0s		P	10 46 26.2	-0.1
QIS	Mount Isa	38.26 270	P	10 46 26.2	-0.1
QIS	baz=38,SNR=17		P	10 46 26.2	-0.1
BBOO	Buckleboo	39.31 250	P	10 46 26.2	-0.1
BBOO	baz=39,SNR=76		P	10 46 26.2	-0.1
BBOO	Buckleboo	39.31 250	eP	10 46 26.2	-0.1
BBOO	90nm,1.0s		P	10 46 26.2	-0.1
RKT	Rikitea	39.99			



1d 10h

Table with columns: YBH, YBH, PNTR, Y12C, Y12D, KEKR, TUQ, FURC, GRAC, VCNR, SHOC, 214A, YERR, JO1E, G006, PLCA, HUMO, RYN, NV01, NVAR, NVAR, LDFC, M04C, L04D, NV11, PAHR, NEE2, PDMCI, SKNT, TPNV, TPNV, CN2, I03D, I02D, KVN, K04D, SHPR, W13A, J04D, MOD, PATY, PATY, I04D, I04D, J05D, TUC, TUC, CHAI, NONG, G03D, R11A, H04A, PINE, 319A, I05D, PHET, PHET, X16A, F04D, WVOR, HPIG, CCUT, G05D, ENH, KNB, U15A, ZAIG, WUAZ, WUAZ, GYA, GYA, GYA, GYA, SZCU, E04D, I07A, PSUT, F05D, J08A, D04E, SRDT, SRDT, D03D, X18A, PKCU

2013 FEB

Table with columns: ELK, ELK, LON, MTPU, 121A, W18A, W18A, G08A, BBB, A04D, B05A, LTY, HAWA, DUG, DUG, BMO, C06D, SUA, BGU, Q16A, NLU, GLI, PAYA, MNTX, MNTX, XAN, XAN, XAN, D08A, LTX, LTX, LTX, TX31, TXAR, TXAR, TXAR, LENL, LAZ, CM01, KMI, KMI, CMAR, CMAR, CMAR, BRM, BRM, SPUT, P17A, CMMT, CMMT, CHTO, CHTO, HUU, CTU, HLID, HLID, JLU, MVO, B08A, ANMO, ANMO, GDL2, PV12, PV21, HWUT, PV01, CAST, LNIG, TRF, RND, NEW, NEW, HHC, HHC, HHC, HHC, HHC, S22A, S22A, O20A, REDW, FXWY, DLMT, SNOW, MSO, SMCO

32

Table with columns: LOHW, 833A, BW06, BW06, PD31, PD31, PDAR, PDAR, SDCO, SDCO, FLWY, HDA, MSTX, MSTX, TCOL, BOZ, IL1, ILAR, ILB, T25A, POKR, JCT, JCT, ISCO, N23A, RLMT, LZH, LZH, LZH, LZH, LZH, LZH, ABTX, ABTX, K2A, L22A, RSSD, SONA, SONA, SONA, SONM, SONM, YKA, YKA, MK32, MKAR, MKAR, KSH, KSH, KSH, KURK, KURK, KURK, KURB, KURB, KURB, AAK, FRB, FRB, FRB, BVAR, BVAR, BVAR, SPITS, SPITS, GEYT, ARAO, ARAO, ARAO, ARCES, ARCES, GNI, KBZ, SIRT, NC303, NC405, NB20, NB20, NB20, NOA, HFS, HFS, AKASG, AKASG, AKAB, AKAB, AK11, BR101, BR101, BR101, BR11, BR11, BR11, BRTR, BRTR, BRTR, ANTO, ANTO, CSS



1d 12h

2013 FEB

Table with columns: BRBA, Barentsburg A, 4.58 126, Pn, Pn, 11 32 32.4 +0.5, etc. Lists various stations and their coordinates and status.

Table with columns: BRTR, Keskin Array B, 43.76 137, P, P, 11 39 30.1 +2.0, etc. Lists various stations and their coordinates and status.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc. Lists various stations and their coordinates and status.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KUUR Kurty, PRZ Przheval'sk, PDGK Podgornoye, etc.

IDC 01 12:32:32.25.5, 23:18Sx178.10W, h0km, mb4.1/4, mb1 4.3/4, mb1mx3.8/31, mbtmp4.0/4, Error ellipse: s-maj=268.7km s-min=42.4km az=152.0, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, FITZ Fitzroy Crossi, YKA Yellowknife Ar.

IDC 01 12:33:13.8:1.7, 11.27Sx165.50E, h0km, mb3.5/3, mb1 3.9/4, mb1mx3.5/36, mbtmp3.6/4, ML3.3/1, Error ellipse: s-maj=53.6km s-min=31.1km az=128.0, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array.

MEX 01 12:43:01.6:0.9, 16:08N-97.64W, h16km, 999km, MD3.6, Oaxaca

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like PNIG Pinotepa.

IDC 01 12:53:59.5:3.4, 5:58S, 150.21E, h85km, 29km, mb3.6/10, mb1 3.8/11, mb1mx3.6/35, mbtmp3.9/11, Error ellipse: s-maj=24.7km s-min=18.0km az=83.0, ISCBJ 01 12:54:03.5:0.8, 5:66S:0.10x150.1E:0.2, h135km, mb3.6/9, Error ellipse: s-maj=21.4km s-min=13.8km az=4.6, ISC 01 12:54:05.2:0.9, 5:75S:0.1x150.2E:0.2, h135km, n12, e198/13, mb3.8/9, New Britain region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CTA Charters Tower, WRA Warramunga Arr, DZM Mont Dzumac, ASAR Alice Springs, FITZ Fitzroy Crossi, STKA Stephens Creek, SONM Sogingo Array, VNDA Vanda, MKAR Makanchi Array, ZALV Zalesovo Beam, ILAR Eielson Array, TORD Torodi Ar, Beza 148.5, SNR=3.4

KRNET 01 13:00:33.6:0.1, 42:50N:79:65E, h16km, mb2.5, SOME 01 13:00:34.4, 42:48N:79:68E, h20km, NNC 01 13:00:34.8:1.1, 42:55N:79:62E, h0km, mb2.8, mpv2.8, Error ellipse: s-maj=7.3km s-min=3.7km az=153.0, ISC 01 13:00:32.5:1.8, 42:47N:0.05:79:68E:0.05, h2km, n13km, n30, e1924/55, 8C-9D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SHLS Shalkode, SHLS Shalkode, SHLS Shalkode, SHLS Shalkode, UZB Uzynbulak.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like UZB Uzynbulak, PDGK Podgornoye, PRZ Przheval'sk, KTMS Ketmen, ARXS Arhary, CHHK Chushkaly, ULHL Ulahol, KAPS Kapalarasan, WRA Warramunga Arr, FITZ Fitzroy Crossi, YKA Yellowknife Ar, DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, TORD Torodi Ar, Beza 148.5, SNR=3.4

IDC 01 13:07:44.9, 42:15N:40:88E, h7km, 2km, ML3.1, TIF 01 13:07:44.2, 42:38N:41:02E, h42km, 2km, MOS 01 13:07:46.6:0.0, 42:51N:41:22E, h10km, MPVA3.5, NORIS 01 13:07:48.1:0.0, 42:59N:41:22E, h3km, MPVA2.9, ISC 01 13:07:43.9:1.3, 42:35N:0.03:41:17E:0.05, h2km, n11km, n12, e0547/24, Western Caucasus

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BATM Batumi, DOMR Dombai, DBOC Borcka, ARXR Arkhyz, ARTV Artvin, DBAD Bademkaya, DAGI Agillari, NEY Neytrino, DDEM Demirkent, SHA1 Shidzhatmaz, SHA1 Shidzhatmaz, LZZR Lazarevskoye, NEY Neytrino, ZEI Tsey.

DDA 01 13:10:58.2, 38:69N:43:60E, h7km, 4km, ML3.1, ISK 01 13:10:58.2, 38:70N:43:43E, h5km, ML2.7/7, ISCBJ 01 13:10:59.1:0.5, 38:68N:0.02:43:53E:0.04, h2km, 5km, Error ellipse: s-maj=4.8km s-min=3.2km az=12.2, ISC 01 13:10:59.1:0.9, 38:70N:0.02:43:55E:0.03, h13km, 8km, n23, e1915/38, Turkey

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DBAD Bademkaya, DAGI Agillari, NEY Neytrino, DDEM Demirkent, SHA1 Shidzhatmaz, SHA1 Shidzhatmaz, LZZR Lazarevskoye, NEY Neytrino, ZEI Tsey.

DDA 01 13:10:58.2, 38:69N:43:60E, h7km, 4km, ML3.1, ISK 01 13:10:58.2, 38:70N:43:43E, h5km, ML2.7/7, ISCBJ 01 13:10:59.1:0.5, 38:68N:0.02:43:53E:0.04, h2km, 5km, Error ellipse: s-maj=4.8km s-min=3.2km az=12.2, ISC 01 13:10:59.1:0.9, 38:70N:0.02:43:55E:0.03, h13km, 8km, n23, e1915/38, Turkey

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VANB Van, TVAN Van, TVAN Van.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like VMUR Van-Muradiye, CLDR Caldiran, GEVA Gevas, AKDM Akdamar-Van, ADCV Adilcev, BASK Baskale, DYDN Diyadin, MLAZ Malazgirt-MUS, TUTA Tutak, AGRB Hanur-Agry, GURO Guromak-BITLI, YOVA Hakkari, Ykse, TASB Tasburun-IGDIR, EATA Eleskirt, SRTM Siirt Merkez, SIRT Sirkak, SIRM Sirkak, SIRS Sirkak, GNI Garp, KOPR Koprukoy-ERZUR, BTMN Batman, BTMN Batman.

KRNET 01 13:28:22.9:0.1, 40:35N:77:26E, h12km, mb2.1, NNC 01 13:28:29.8:1.5, 40:59N:77:29E, h0km, mb2.9, mpv2.6, Error ellipse: s-maj=11.1km s-min=6.5km az=159.0, SOME 01 13:28:30.4, 40:62N:77:30E, h5km, ISC 01 13:28:33.2:8.8, 40:40N:0.1:77:27E:0.05, h8km, n13km, n19, e1922/28, 8C-13D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TARG Taragay, Kyrgyz, TARG Taragay, NRN Naryn, KDJ Kajisay, ULHL Ulahol, KAPS Kapalarasan, KZA Kyzart, BOOM Boomskeye usch, TNS5 Tian-Shan, TNS5 Tian-Shan, UCH Uchtor, UCH Uchtor, SATY Saty, SATY Saty, SATY Saty, TKM2 Tokmak 2, KST Kestek, SFK Sufti-Kurgan, UZB Uzynbulak, UZB Uzynbulak, AAK Ala-Archa, PDGK Podgornoye, PDGK Podgornoye, PDGK Podgornoye.

ISCJB 01 13:31:54.8:0.7, 6:67S:0.06:129:95E:0.08, h146km, mb3.7/3, Error ellipse: s-maj=11.1km s-min=7.8km az=3.0, IDC 01 13:31:55.1:1.6, 6:65S:130:00E, h134km, 17km, mb3.5/3, mb1 3.7/8, mb1mx3.4/48, mbtmp4.1/8, Error ellipse: s-maj=21.2km s-min=11.5km az=98.0, ISC 01 13:31:55.5:0.9, 6:73S:0.06:130:1E:0.1, h146km, n8, e232/12, mb3.7/3, Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SIJI Sorong, SIJI Sorong, BATI Baumata, BATI Baumata, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, WRA Warramunga Arr.

1d 14h

Table with columns: ASAR, Alice Springs, 17.24 166 P, Pn, 13 35 49.9 +2.3, etc.

KRNET 01 13:41:36.2e.0.1, 42:54N;79:62E, h30km, mb1.8, 2C-4D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, etc.

KRNET 01 13:41:48.9.0.1, 42:57N;79:61E, h20km, mb2.4
SOME 01 13:41:48.0, 42:48N;79:67E, h25km
NWC 01 13:41:48.0, 42:54N;79:61E, h0km, mb2.7, mpv2.8

ISC 01 13:41:48.6.1.4, 42:55N;0:04.79:61E, h2km, mb10km, n41, c093/75, 17C-7D, Lake Issyk-Kul region

Main table for the first section with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, etc.

2013 FEB

Table with columns: KAPS, Kapalarasan, 2.74 356 Pg, Pb, 13 42 37.6 -0.7, etc.

IDC 01 14:04:35.9.1.3, 2:05N, 126:22E, h0km, mb3.6/5, mb1 3.8/5, mb1mx3.5/38, mbtmp3.6/5, Error ellipse: s-maj=105.1km s-min=22.5km az=68.0, Northern Molucca Sea

Table with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, etc.

NIED 01 14:06:00.35:60N;140:10E, h71km, Mw4.6 Best double couple: M8.93000;1015 NP1:170.00000; 824.00000, 180.00000. NP2:170.00000; 866.00000; 194.00000.
BUJ 01 14:06:42.7, 35:46N;140:46E, h72km, mB4.9/33, mb4.6/51, Ms4.2/16, Ms7.3/9/16

MOS 01 14:06:44.0, 1.2, 35:54N;140:12E, h55km, mb4.9/42, Error ellipse: s-maj=9.0km s-min=5.1km az=109.0
ISCJB 01 14:06:46.8.0.3, 35:54N;0:02:140:06E;0:03, h78km, 2km, mb4.5/58, Error ellipse: s-maj=4.5km s-min=3.6km az=168.8

JMA 01 14:06:47.5.0.2, 35:52N;140:04E, h71km, 2km, M4.4 Broadband fault plane solution: P waves. NP1: phi=2.00000; 866.00000; A91.00000. NP2:179.00000; 824.00000; 188.00000. Principal axes: T Plg69.00000; Azm274.00000; N Plg1.00000; Azm181.00000; P Plg21.00000; Azm91.00000;

JMA Felt III J1
NEIC 01 14:06:47.5.0.6, 35:54N;140:11E, h70km, 5km, mb4.8/20 Error ellipse: s-maj=7.4km s-min=5.4km az=90.0
NEIC Felt [IV] at Chiba and [III] at Tokyo. Felt in much of east-central Honshu. Recorded [3 JMA] in Chiba, Kanagawa and Tokyo.

IDC 01 14:06:48.1.1.1, 35:52N;139:98E, h74km, 10km, mb4.1/28, mb1 4.3/32, mb1mx4.2/45, mbtmp4.3/32, MS3.4/21, Ms1.3/4/21, ms1mx3.2/46, Error ellipse: s-maj=12.6km s-min=7.5km az=83.0

ISC 01 14:06:47.1.0.4, 35:58N;103:140:13E;0:04, h69km, 3km, h69km; pP, n247, c161/280, mb4.6/100, 17C-16D, Near east coast of eastern Honshu

Main table for the second section with columns: Code, Station Name, Delta A, AZ, Phase ID, ISC, Time, Res, etc.

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Main table for the third section with columns: SHO, Shikotan, 9.75 30 eP, Pn, 14 08 58.8 -5.7, etc.













PEA1	comp=Z,3.2nm,0.6s,baz=204,slow=5.1,SNR=18	60.39 23 eP	P	17 18 22.8 +0.1
LBZ	Petrovavlovsk-Lake Benmore	60.65 143 eP	P	17 18 24.9 +0.2
PET	comp=Z,6.7nm,1.7s	60.70 24 eP	P	17 18 25.0 +0.2
PET	Petrovavlovsk	60.70 24 eP	P	17 18 25.0 +0.2
RPZ	comp=Z,5.6nm,1.7s	60.82 142 eP	P	17 18 26.2 +0.4
RPZ	Rata Peaks	60.82 142 eP	P	17 18 27.3 +1.5
AAK	comp=Z,3.8nm,0.4s,baz=353,slow=2.1,SNR=7.0	60.92 321 eP	P	17 18 27.6 -0.1
AAK	Ala-Archa	60.92 321 eP	P	17 18 28.5 +0.6
AAK	comp=Z,2.2nm,0.8s	60.92 321 eP	P	17 18 26.6 -0.1
THZ	Tophouse	61.01 139 eP	P	17 18 28.0 +0.7
KBL	Kabul	61.12 310 eP	P	17 18 28.5 +0.1
KBL	Kabul	61.12 310 eP	P	17 18 28.5 +0.1
KHZ	Kahutara	61.74 140 eP	P	17 18 32.9 +0.9
GAR	Garm	62.00 315 eP	P	17 18 37.3 -0.3
GAR	Garm	62.00 315 eP	P	17 18 37.3 -0.3
GAR	Garm	62.00 315 eP	P	17 18 37.3 -0.3
BKZ	Black Stump Fm	62.27 135 eP	P	17 18 36.5 +0.8
URZ	Urewera	62.33 134 eP	P	17 18 36.0 -0.1
URZ	Urewera	62.33 134 eP	P	17 18 36.5 +0.4
ZAAO	Zalesovo Array	62.50 336 eP	P	17 18 35.0 -1.0
ZALV	Zalesovo Beam	62.50 336 eP	P	17 18 34.9 -2.0
ZALV	Zalesovo Beam	62.50 336 eP	P	17 18 34.9 -2.0
ZALV	Zalesovo Beam	62.50 336 eP	P	17 18 35.1 -1.7
ZAA1	Zalesovo Array	62.50 336 eP	P	17 18 35.1 -1.8
CHGR	Chuyangaron	62.67 315 eP	P	17 18 37.7 -0.8
BFZ	Birch Farm	62.74 137 eP	P	17 18 39.6 +0.8
KURK	Kurchatov	63.16 330 eP	P	17 18 40.8 -0.6
KURK	Kurchatov	63.16 330 eP	P	17 18 40.8 -0.6
MA2	Magadan	63.35 15 eP	P	17 18 42.8 +0.4
MA2	Magadan	63.35 15 eP	P	17 18 42.8 +0.4
MIDW	Midway	63.49 58 eP	P	17 18 44.9 +1.0
NVS	Novosibirsk	63.79 336 eP	P	17 18 43.2 -2.1
KNTN	Kanton	65.19 93 eP	P	17 18 54.4 -0.9
CASEY	Casey	66.59 186 eP	P	17 19 03.9 +0.7
SEY	Seymchan	66.63 14 iP	P	17 19 03.3 -0.3
MRIV	Mauritius Mte	67.14 248 eP	P	17 19 06.6 -1.1
BRVK	Borovy	68.74 329 eP	P	17 19 15.7 -1.4
BRVK	Borovy	68.74 329 eP	P	17 19 15.3 -1.7
RER	Riviere de l'E	68.89 247 eP	P	17 19 18.0 -0.7
GEYT	Alibek	70.57 311 eP	P	17 19 28.5 -0.2
TIXI	Tiksi	71.78 22 eP	P	17 19 33.7 -1.5
TIXI	Tiksi	71.78 22 eP	P	17 19 33.6 -1.5
ABKAR	Akbulak Array	72.92 322 eP	P	17 19 41.4 -1.0
NRK1	Noril'sk	73.37 348 eP	P	17 19 43.4 -1.2
ATKA	Atka Island	73.73 35 eP	P	17 19 47.2 +0.2
BILL	Biilbino	74.22 16 eP	P	17 19 49.2 -0.4
BILL	Biilbino	74.22 16 eP	P	17 19 49.2 -0.4
SVE	Sverdllovsk	75.41 330 eP	P	17 19 55.6 -1.1
ARU	Arti	76.32 329 eP	P	17 20 00.0 -1.9
ARU	Arti	76.32 329 eP	P	17 20 00.4 -1.5
ARU	Arti	76.32 329 eP	P	17 20 00.0 -1.9
ARU	Arti	76.32 329 eP	P	17 20 00.4 -1.5
ABPO	Ambiohpanom	76.61 251 eP	P	17 20 01.9 -2.6
ABPO	Ambiohpanom	76.61 251 eP	P	17 20 01.9 -2.6
SPIA	Saint Paul Isl	77.66 31 eP	P	17 20 06.0 -3.3
UNV	Unalaska Valle	78.65 35 eP	P	17 20 14.5 -0.4
RAYN	Ar Rayn	78.70 294 eP	P	17 20 13.5 -2.4
RAYN	Ar Rayn	78.70 294 eP	P	17 20 13.5 -2.4
DAMY	Dhamar	79.12 285 eP	P	17 20 19.1 +0.5
AKUT	Akutan	79.15 35 eP	P	17 20 18.1 +0.5
VNDA	Vanda	80.08 172 eP	P	17 20 22.1 -0.1
VNDA	Vanda	80.08 172 eP	P	17 20 22.1 -0.1
VNDA	Vanda	80.08 172 eP	P	17 20 23.1 +0.8
FALS	False Pass	80.66 34 eP	P	17 20 25.6 -0.1
PRGR	Permogore	84.19 332 eP	P	17 20 41.4 -2.5
KLMR	Klimovskoe	87.00 331 eP	P	17 20 54.5 -3.3
KLMR	Klimovskoe	87.00 331 eP	P	17 20 54.5 -3.3
KLMR	Klimovskoe	87.00 331 eP	P	17 20 54.5 -3.3
KDVK	Kodiak Island	87.08 32 eP	P	17 20 58.6 +0.3
KDVK	Kodiak Island	87.08 32 eP	P	17 20 58.6 +0.3
IM3	Indian Mountain	87.34 24 eP	P	17 20 59.2 -0.2
IM3	Indian Mountain	87.34 24 eP	P	17 21 00.0 -0.2
SYO	Syowa Base	87.53 2011 eP	P	17 21 02.6 +0.6
SYO	Syowa Base	87.53 2011 eP	P	17 21 01.8 +0.4
PLLA	Perkeypile	87.57 21 eP	P	17 21 02.5 -0.7
BRLK	Bradley Lake	88.11 30 eP	P	17 21 03.7 -0.4
SUA	Susitna One	88.28 29 eP	P	17 21 04.6 -0.4
MLY	Manley	88.51 27 eP	P	17 21 04.8 -0.4
TRF	Thorofore Moun	88.75 29 eP	P	17 21 06.0 -0.1
RC01	Rabbit Creek A	88.75 29 eP	P	17 21 07.0 +0.4
COLD	Coldfoot	88.85 23 eP	P	17 21 07.8 -0.8
RND	Reindeer	89.25 27 eP	P	17 21 07.8 -0.8
RND	Reindeer	89.25 27 eP	P	17 21 07.8 -0.8

RND	comp=Z,2.2nm,1.6s	89.45 28 eP	P	17 21 09.0 -0.5
SML	Sawmill	89.45 28 eP	P	17 21 09.0 -0.5
SML	Sawmill	89.45 28 eP	P	17 21 09.0 -0.5
MDM	Murphy Dome	89.57 25 eP	P	17 21 10.7 +0.7
WRH	Wood River Hill	89.62 26 eP	P	17 21 09.5 -0.6
BR101	Keakin Array S	89.69 310 eP	P	17 21 11.1 -0.2
BRTR	Keakin Array B	89.69 310 eP	P	17 21 11.0 -0.2
QSPA	South Pole Qui	89.78 180 eP	P	17 21 10.7 -0.3
DHY	Denali Highway	89.92 27 eP	P	17 21 11.5 -0.3
SCM	Sheep Creek Mo	89.93 28 eP	P	17 21 11.3 -0.4
ILAR	Eielson Array	90.14 25 P	P	17 21 10.9 -1.7
ILB	Eielson Array	90.14 25 P	P	17 21 11.1 -1.5
AKASG	Malin Array Be	92.59 321 P	P	17 21 22.1 -2.2
ARAO	ARCESS Array S	92.81 340 P	P	17 21 22.8 -2.1
ARCES	ARCESS Array B	92.81 340 P	P	17 21 22.8 -2.1
FAIO	FINESS Array B	93.51 331 eP	P	17 21 26.0 -2.2
FAIO	FINESS Array S	93.51 331 eP	P	17 21 26.0 -2.2
FINES	FINESS Array B	93.51 331 eP	P	17 21 26.0 -2.2
NVAR	Mina Array Bea	112.17 48 PKiKp	PKiKp	17 26 48.4 -0.1
TOAO	Torodi Ar. Sit	120.56 285 eP	PKPdf	17 27 03.4 -1.4
TOAO	Torodi Ar. Bea	120.56 285 eP	PKPdf	17 27 03.7 -1.2
TORD	Torodi Ar. Bea	120.56 285 eP	PKPdf	17 27 03.5 -1.3
TOA1	Torodi Ar. Sit	120.56 285 eP	PKPdf	17 27 03.5 -1.3
LTX	Lajitas	126.82 53 eP	PKiKp	17 27 17.5 +0.4
LTX	Lajitas	126.82 53 eP	PKiKp	17 27 17.5 +0.4
TXAR	Lajitas Array	126.82 53 PKiKp	PKiKp	17 27 17.5 +0.4
DBIC	Dimbokro	127.69 278 eP	PKPdf	17 27 18.2 -0.3
DBIC	Dimbokro	127.69 278 eP	PKPdf	17 27 18.2 -0.3
DBIC	Dimbokro	127.69 278 PKP	PKPdf	17 27 18.8 +0.2

PB11	IPOC Station P	4.93 330 iP	Pn	17 22 36.5 -0.7
PB11	Minye Minye	5.46 334 eP	Pn	17 23 41.4 -3.3
MNMC	Minye Minye	5.46 334 eP	Pn	17 22 43.8 -0.4
MNMC	Minye Minye	5.46 334 eP	Pn	17 23 40.7 -6.6
MNMC	Minye Minye	5.46 334 eP	Pn	17 22 44.0 -0.2
AGUA	GUANDACOL	5.54 193 eS	Pn	17 23 45.7 -3.1
LCO	Las Campanas	5.90 213 eP	Pn	17 22 49.3 -0.5
LCO	Las Campanas	5.90 213 eP	Pn	17 23 49.3 -0.5
APLL	PUNTA DE LOS L	6.31 176 eP	Pn	17 22 47.4 -0.2
ACDV	Cuesta del Vie	6.34 196 eP	Pn	17 22 56.3 -0.8
ACDV	Cerro Coronel	6.73 195 eP	Pn	17 23 01.1 +0.4
ACCO	Tololo Observa	6.93 208 eS	Pn	17 24 13.7 -3.5
GO04	La Paz	7.82 352 eP	Pn	17 23 02.2 -1.1
LPAZ	La Paz	7.82 352 eP	Pn	17 24 15.4 +0.1
LPAZ	La Paz	7.82 352 eP	Pn	17 24 16.4 -2.0
LPAZ	La Paz	7.82 352 eP	Pn	17 23 15.9 +0.5
LPAZ	comp=N,2.2nm,0.3s,baz=167,slow=6.2,SNR=55	7.82 352 eP	Pn	17 24 40.5 -3.0
LPAZ	comp=N,0.7nm,0.3s,baz=287,slow=19,SNR=4.0	7.82 352 eP	Pn	17 23 16.1 +0.7
LPAZ	Uspallata	8.63 194 eP	Pn	17 23 22.2 -0.1
ASUL	Salgasta	8.63 194 eP	Pn	17 23 24.6 -0.8
GO04	Mina Array Bea	9.06 106 eP	Pn	17 23 09.5 9.8
CPUP	Villa Florida	9.08 106 P	Pn	17 23 30.0 -1.3
CPUP	Villa Florida	9.08 106 eP	Pn	17 23 30.9 -0.4
AGPR	Agrelo	9.11 190 eP	Pn	17 23 31.3 -0.4
ROCI	El Rotolo	9.53 201 eP	Pn	17 23 38.5 +0.6
SEL	Pedelhue	9.58 199 eP	Pn	17 23 38.8 -2.2
PV	San Ignacio	9.81 36 P	Pn	17 23 35.0 -0.4
ACDE	Aquidauana	11.10 73 eP	Pn	17 23 56.4 -1.3
GO05	Cacapava Do Su	11.69 200 eP	Pn	17 24 04.0 -2.8
CPBS	Cacapava Do Su	13.64 120 eP	Pn	17 24 29.5 -0.5
IPSB	Concordia	13.81 106 eP	Pn	17 24 31.8 -0.4
NNA	Nana	15.20 321 eP	Pn	17 24 50.8 +0.4
NNA	Nana	15.20 321 eP	P	17 24 51.0 +0.7
CNBL	Canela	15.38 113 eP	Pn	17 24 50.5 -1.1
GO06	Curarrehue	15.91 193 eP	Pn	17 24 57.6 -0.4
FRTB	Rio Claro- Sao	16.03 91 eP	Pn	17 25 02.7 +0.7
ITRB	Iturama	16.08 78 eP	Pn	17 25 04.4 +0.2
TJ01	Guaruva-PR	16.44 98 eP	Pn	17 25 04.8 +0.2
TER01	Tubarao-SC	16.66 109 eP	Pn	17 25 06.6 -0.5
PLCA	Paso Flores	16.67 189 eP	Pn	17 25 08.9 +0.4
PLCA	Paso Flores	16.67 189 eP	Pn	17 25 09.4 0.0
BB19B	Bebedouro	17.36 84 eP	Pn	17 25 13.9 -0.2
SPB	Sao Paulo	17.95 92 eP	Pn	17 25 19.5 -1.0
RCLB	Rio Claro- Sao	18.01 89 eP	Pn	17 25 20.6 -0.6
IPMB	Ipameri, GO	18.59 75 eP	Pn	17 25 27.3 -0.2
BDFB	Brasilia	18.75 68 eP	Pn	17 25 38.8 -1.3
BDFB	Brasilia	18.75 68 eP	P	17 25 39.7 -0.5
GO07	Mililadeo Hill	19.76 194 eP	Pn	17 25 41.8 -1.7
ESAR	Angra dos Reis	20.75 92 eP	Pn	17 25 48.0 -2.6
BSCB	Bom Sucesso	20.79 86 eP	Pn	17 25 50.0 -1.1
VASO	Vitoria	21.77 90 eP	Pn	17 26 02.5 -1.8
DUB01	Monte-Rio	22.78 90 eP	Pn	17 26 10.2 -0.8
MC16	Friburgo-Claros	22.85 76 eP	Pn	17 26 10.0 -1.7
MC18	Montes Claros	22.88 76 eP	Pn	17 26 10.4 -1.5
MC19	Montes Claros	22.88 76 eP	Pn	17 26 10.4 -1.6
MC17	Montes Claros	22.92 76 eP	Pn	17 26 10.2 -1.2
JANB	Januaria	23.30 71 eP	Pn	17 26 13.0 -0.8
CAM01	Campos-RJ	23.48 90 eP	Pn	17 26 16.2 -1.0
PTGA	Pitinga	24.20 17 P	Pn	17 26 24.1 +0.2
PTGA	Pitinga	24.20 17 P	Pn	17 26 22.9 -1.0
PTGA	Pitinga	24.20 17 P	Pn	17 26 24.1 +0.2
ALF01	Guarapari-ES	24.57 87 eP	Pn	17 26 26.3 -0.9
SJMB	Sao Joao De Ma	24.65 87 eP	Pn	17 26 26.6 -1.3
BSFB	Barra de Sao F	24.82 83 eP	Pn	17 26 29.0 -1.4
RIS01	Rio das Antas	25.49 84 eP	Pn	17 26 34.8 +3.7
EFI	East Falkland	28.41 168 eP	Pn	17 27 04.8 -2.7
RCBR	Riachuelo	34.99 64 eP	Pn	17 27 58.2 -1.0
RCBR	Riachuelo	34.99 64 eP	Pn	17 27 59.3 +0.1
ANWB	Willy Bob	41.81 8 eP	Pn	17 28 56.2 +0.4
VNA3	Neumayer Olym	57.09 161 P	Pn	17 30 52.1 +1.3
VNA1	Neumayer-Stat	57.29 160 P	Pn	17 30 54.5 +2.4
VNA2	Neumayer-Watz	57.68 160 P	Pn	17 30 57.6 +2.0
SNA4	Sanae	59.29 161 eP	Pn	17 31 07.2 +1.1
SNA4	Sanae	59.29 161 eP	Pn	17 31 06.5 +0.4
TXAR	Lajitas Array	63.72 324 P	Pn	17 31 37.3 +1.0
QSPA	South Pole Qui	66.13 180 eP	Pn	17 31 53.0 +1.5
CLNB	Carlsbad	66.16 326 eP	Pn	17 32 22.2 +1.4
CLNB	Carlsbad	66.16 326 eP	Pn	17 40 30.0 +3.8
LIC	Lamto	67.50 72 eP	Pn	17 31 59.8 -1.0
TIC	Toumoud	67.71 71 eP	Pn	17 32 01.7 -0.4
KIC	Koson Boka	67.81 72 eP	Pn	17 32 01.2 -1.6
DBIC	Dimbokro	67.86 72 P	Pn	17 32 01.8 -1.3
SYO	Syowa Base	73.49 1591 eP	Pn	17 32 30.5 -5.6
SYO	Syowa Base	73.49 1591 eP	Pn	17 32 47.0 -4.2
TOAO	Torodi Ar. Sit	76.63 69 eP	Pn	17 32 53.3 -2.7
TORD	Torodi Ar. Bea	76.63 69 eP	Pn	17 32 52.0 -2.0
PDAR	Pinedale Array	77.19 329 P	Pn	17 32 58.2 +0.4
TSMU	Tsumeb	77.67 106 eP		



Table with columns: JOW, Kunigami, 7.52 59 Pn, 18 04 56.8 -0.6, etc.

SOME 01 18:03:14.7, 42:50'N, 79:57'E, h10km
KRNFT 01 18:03:15.5, 0.1, 42:50'N, 79:59'E, h12km, mb2.1
NMC 01 18:03:15.5, 0.1, 42:50'N, 79:59'E, h0km, mb3.3, mpv2.5,
Error ellipse: s-maj=7.0km s-min=3.5km az=155.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

ISC/JB 01 18:04:07.0, 0.3, 6:82'S, 0:03, 129:64'E, 0:04, h139km,
mb4.3/15, Error ellipse: s-maj=6.5km s-min=4.2km
az=166.8

IDC 01 18:04:07.4, 2.5, 6:84'S, 129:47'E, h130km, 25km, mb3.3/6,
mb1.3/10, mb1mx3.3/3, mbtmp3.8/10, MS2.9/1,
Ms1.2/9/1, ms1mx2.4/41, Error ellipse: s-maj=34.2km
s-min=13.8km az=69.0

NEIC 01 18:04:09.3, 0.8, 6:82'S, 129:58'E, h148km, 9km, mb4.5/14,
Error ellipse: s-maj=10.7km s-min=7.9km az=45.0

ISC 01 18:04:07.4, 0.5, 6:86'S, 0:05, 129:65'E, 0:06, h139km, n45,
c=290/49, mb4.4/16, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: AS31, Alice Springs, 17.20 167 P, 18 08 00.8 +1.4, etc.

NIED 01 18:23:00, 42:80'N, 142:90'E, h116km, Mw4.1 Best
double couple: Mo1.740000, 1015 NP1.3e+228.000000,
delta16.000000, delta27.000000, NP2.1e+12.000000, delta83.000000,
delta104.000000

MOS 01 18:23:04, 1.1, 1.4, 2:79'N, 142:78'E, h136km, mb4.2/45,
Error ellipse: s-maj=8.0km s-min=4.9km az=75.9

IDC 01 18:23:04, 1.1, 1.6, 42:81'N, 142:85'E, h119km, 14km,
mb3.9/25, mb1.4, 0.29, mb1mx4.0/42, mbtmp4.2/29, MS3.1/2,
Ms1.3/1/2, ms1mx2.4/41, Error ellipse: s-maj=11.6km
s-min=5.5km az=122.0

ISC/JB 01 18:23:04.2, 0.2, 42:76'N, 0:02, 142:80'E, 0:02,
h132km, 1km, mb4.1/84, Error ellipse: s-maj=4.0km
s-min=2.6km az=153.2

JMA 01 18:23:05.9, 0.1, 42:79'N, 142:86'E, h121km, 1km, M4.0
Broadband fault plane solution: P waves. NP1:
phi=124.000000, delta84.000000, delta76.000000, NP2:phi=13.000000,
delta15.000000, delta158.000000. Principal axes: T: Plg49.000000,
Az=19.000000, N: Plg14.000000, Az=126.000000, P:
Plg38.000000, Az=227.000000

JMA Felt II J1
NEIC 01 18:23:06.3, 0.1, 42:78'N, 142:75'E, mb4.5/145 Error
ellipse: s-maj=3.6km s-min=2.4km az=149.0

ISC 01 18:23:03.0, 0.5, 42:82'N, 0:03, 142:83'E, 0:03, h130km, 4km,
n370, r1931/417, mb4.5/191, 17C-16D, Hokkaido region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: YUK, comp=N, 1.1um, 0.4s, smax, smax, etc.











CHKK	Chushkaly	2.33 305	Pg	Pb	19 54 50.8 -1.0
CHKK	8.6nm,0.2s		Lg	Lg	19 55 21.2
CHKK	182nm,0.2s	2.33 305	eP	Pb	19 54 50.8 -1.0
CHKK	Chushkaly		f/S	Sb	19 55 21.2 +0.7
CHKK	8.6nm,0.2s				
MTBS	Matlube	2.42 285	Pg	Pb	19 54 52.4 -1.0
MTBS	50nm,0.2s		Lg	Lg	19 55 24.0
MTBS	112nm,0.3s	2.42 285	eP	Pb	19 54 52.4 -1.0
MTBS	50nm,0.2s		eS	Sb	19 55 24.0 +0.6
KTBS	Karatohe	2.45 299	Pg	Pb	19 54 52.5 -1.3
KTBS	21nm,0.2s		Lg	Lg	19 55 24.0
KTBS	285nm,0.4s	2.45 299	eP	Pb	19 54 52.5 -1.3
KTBS	Karatohe		eS	Sb	19 55 24.1 +0.1
KTBS	21nm,0.2s				
KTBS	285nm,0.4s				
ULHL	Ulahol	2.53 264	P	Pb	19 54 54.8 -0.5
ULHL	SNR=82		f/P	Pn	19 54 52.2 +1.2
ULHL	Ulahol		f/S	Sb	19 55 24.5 -2.0
ULHL	baz=63				
TDK	Taldyqorghan	2.60 341	Pg	Pb	19 54 55.4 -1.0
TDK	94nm,0.3s		Lg	Lg	19 55 29.3
TDK	127nm,0.4s	2.60 341	eP	Pb	19 54 55.4 -1.0
TDK	Taldyqorghan		eS	Sb	19 55 29.3 +0.9
TDK	94nm,0.3s				
BOOM	Boomsokoy usch	2.73 270	f/P	Pn	19 54 55.8 +2.1
BOOM	baz=69		f/S	Sn	19 55 29.2 +2.3
KAPS	Kapalarasan	2.73 356	Pg	Pb	19 54 58.4 -0.4
KAPS	16nm,0.4s		Lg	Lg	19 55 33.4
KAPS	28nm,0.5s	2.73 356	eP	Pb	19 54 58.4 -0.4
KAPS	Kapalarasan		eS	Sb	19 55 33.4 +1.1
KAPS	16nm,0.4s				
KST	Kastek	2.74 281	Pg	Pb	19 54 57.7 -1.2
KST	52nm,0.2s		Lg	Lg	19 55 33.2
KST	86nm,0.5s	2.74 281	eP	Pb	19 54 57.7 -1.2
KST	Kastek		f/S	Sb	19 55 33.2 +0.6
KST	52nm,0.2s				
KUU	Kury	2.75 300	Pg	Pb	19 54 58.2 -0.8
KUU	8.9nm,0.5s		Lg	Lg	19 55 33.5
KUU	Kury		Lg	Lg	19 55 33.5
KUU	4.9nm,0.3s	2.75 300	eP	Pb	19 54 58.2 -0.8
KUU	Kury		eS	Sb	19 55 33.5 +0.8
DGS	Degeres	2.92 285	Pg	Pb	19 55 00.4 -1.5
DGS	124nm,0.2s		Lg	Lg	19 55 37.7
DGS	37nm,0.3s	2.92 285	eP	Pb	19 55 00.4 -1.5
DGS	Degeres		eS	Sb	19 55 37.7 +0.1
DGS	37nm,0.3s				
NRN	Naryn	2.92 249	f/P	Pn	19 54 59.0 -3.2
NRN	103nm,0.5s		f/S	Sn	19 55 34.3 +2.3
NRN	Naryn				
NRN	baz=48				
TKM2	Tokmak 2	2.99 278	P	Pn	19 54 59.3 +1.9
TKM2	SNR=31		f/P	Pn	19 54 59.2 +1.8
TKM2	Tokmak 2		f/Lg	Lg	19 55 43.4
TKM2	31nm,0.3s	2.99 278	f/P	Pn	19 54 59.3 +1.9
TKM2	baz=78		f/S	Sn	19 55 35.4 +2.0
TKM2	Tokmak 2				
KZA	Kyzart	3.28 263	P	Pn	19 55 03.7 +2.1
KZA	SNR=21		f/S	Pn	19 55 03.7 +2.1
KZA	Kyzart		f/S	Sn	19 55 42.6 +1.7
KZA	baz=63				
KBK	Karagaybulak	3.46 273	P	Pn	19 55 05.5 +1.7
KBK	SNR=14		f/P	Pn	19 55 05.4 +1.7
KBK	Karagaybulak		f/S	Sn	19 55 46.7 +1.8
KBK	baz=73				
CHMS	Chumysh	3.62 279	P	Pn	19 55 13.9 +0.1
CHMS	SNR=5.9		f/P	Pn	19 55 07.6 +1.8
CHMS	Chumysh		f/S	Sn	19 55 50.4 +1.8
CHMS	baz=78				
FRU1	Bishkek	3.69 276	f/P	Pn	19 55 08.9 +2.0
FRU1	baz=75		f/S	Sn	19 55 52.0 +1.5
AAK	Ala-Archa	3.79 273	f/Pg	Pb	19 55 17.4 +0.6
AAK	6.0nm,1.3s		f/Lg	Lg	19 56 09.2
AAK	12nm,0.5s	3.79 273	eP	Pn	19 55 10.4 +2.1
AAK	Ala-Archa		f/S	Sn	19 55 54.6 +1.5
AAK	baz=73				
UCH	Uchter	3.80 267	P	Pb	19 55 17.7 +0.6
UCH	baz=73				
USP	Ospenovka	3.83 282	P	Pb	19 55 15.7 -1.8
USP	SNR=7.8				
ARLS	Aral	4.00 262	f/P	Pn	19 55 13.3 +2.1
ARLS	baz=61		f/S	Sn	19 55 59.4 +1.1
ARLS	Erkin-Say	4.32 273	P	Pb	19 55 28.1 +2.3
ARLS	SNR=9.8				
AML	Almayashu	4.42 266	P	Pb	19 55 29.6 +2.0
MAKZ	Makanchi	4.57 21	f/Pn	Pn	19 55 20.4 +1.6
MAKZ	SNR=19		f/Sn	Sn	19 56 14.0 +2.0
MAKZ	Makanchi		f/Lg	Lg	19 55 33.0
MAKZ	1.1nm,0.2s				
MAKZ	1.2nm,0.4s				
MAKZ	3.2nm,0.5s	4.64 23	f/Pn	Pn	19 55 21.2 +1.3
MAKZ	0.8nm,0.3s,baz=202,slow=13,SNR=50				
MAKZ	1.0nm,0.3s,baz=204,slow=24,SNR=50				
MAKZ	1.2nm,0.3s,baz=204,slow=24,SNR=50				
MRK3	Merke	4.73 274	Pg	Pb	19 55 34.5 +1.8
MRK3	6.1nm,0.3s		Lg	Lg	19 56 35.6
MRK3	1.0nm,0.3s,baz=204,slow=24,SNR=50				
MRK3	1.2nm,0.3s,baz=204,slow=24,SNR=50				
MRK3	Merke		Lg	Lg	19 56 36.0
MRK3	6.1nm,0.3s	4.73 274	eP	Pb	19 55 34.5 +1.8
MRK3	Merke		eS	Sg	19 56 36.0 -5.4
MRK3	6.1nm,0.3s				
MRK3	9.9nm,0.3s				
MNAS	Manas	5.27 272	f/Pg	Pb	19 55 45.5 +3.6
MNAS	3.3nm,0.5s		Lg	Lg	19 56 56.4
MNAS	7.2nm,0.7s	5.27 243	f/Pg	Pg	19 55 46.8 -3.8
MNAS	Sufi-Kurgan		Lg	Lg	19 56 56.2
MNAS	4.8nm,0.8s				
SFK	Sufi-Kurgan	6.73 278	f/Pg	Pg	19 55 10.6 +3.9
SFK	9.9nm,1.0s		Lg	Lg	19 57 41.6
KK31	Karatay Array	7.66 327	f/Pg	Pg	19 58 10.3
KK31	0.8nm,0.4s,baz=78,slow=16,SNR=8.1				
OTUK	Ortayu	7.66 320	f/Lg	Lg	19 58 10.3
OTUK	6.3nm,0.7s,baz=85,slow=26,SNR=10				
KURK	Kurchatov	8.19 355	f/Lg	Lg	19 58 28.0
KURK	5.7nm,0.9s				

ISCJB 01 20:16:39.1.0.6, 20:02S:0:03:69:34W:0:09, h122km,5km, mb3.5/2, Error ellipse: s-maj=13.9km s-min=5.0km az=176.8

GUC 01 20:16:39.5.0.5, 20:01S:69:28W, h111km,2km, ML3.6

IOC 01 20:16:40.4.1.0, 20:07S:68:75W, h128km,11km, mb3.3/2, mb1 3.4/6, mb1mx3.1/24, mbtmp3.6/6, MS2.5/2, Ms1 2.5/2, ms1mx2.3/10, Error ellipse: s-maj=32.8km s-min=8.6km az=97.0

ISC 01 20:16:38.9.0.9, 20:00S:0:04:69:24W:0:09, h116km,7km, n18, r130/27, 6C-4D, Northern Chile

Code	Station Name	A°	AZ°	Phase ID	ISC	Time	Res
					h m s	ISC	
PB08	IPOC Station P	0.16	148	f/P	Pn	20 16 55.9 +0.4	
PB08				f/S	Sb	20 17 08.4 +0.5	
PB08				IAML		20 17 09.8	
PB11	comp=N,2um,0.3s	0.46	302	f/P	Pn	20 16 56.8 +0.5	
PB11	IPOC Station P			f/S	Sb	20 17 09.6 +0.1	
PB11				IAML		20 17 10.7	
PSGC	Pisagua	0.92	296	f/P	Pn	20 17 00.3 +0.4	
PSGC				f/S	Sb	20 17 15.9 0.0	
PSGC				IAML		20 17 17.8	
MMNC	Minye Minye	0.93	339	f/P	Pn	20 17 01.0 +0.8	
MMNC				f/S	Sb	20 17 17.2 +1.0	
MMNC				IAML		20 17 19.4	
PB01	comp=E,3um,0.2s	1.06	192	f/P	Pn	20 17 02.0 +0.7	
PB01	IPOC Station P			f/S	Sb	20 17 18.8 +0.5	
PB01				IAML		20 17 20.5	
PB02	comp=N,3um,0.2s	1.45	205	f/P	Pn	20 17 06.3 +0.8	
PB02	IPOC Station P			f/S	Sb	20 17 26.6 +0.8	
PB02				IAML		20 17 29.5	
PB12	comp=E,1um,0.4s	1.72	323	f/P	Pn	20 17 08.7 -0.1	
PB12	IPOC Station P			f/S	Sb	20 17 31.2 -0.3	
PB12				IAML		20 17 33.2	
PB09	comp=N,389nm,0.2s	1.79	180	f/P	Pn	20 17 10.8 +1.1	
PB09	IPOC Station P			f/S	Sb	20 17 36.5	
PB07	comp=N,499nm,0.7s	1.82	199	eP	Pn	20 17 10.9 +0.8	
PB07	IPOC Station P			IAML		20 17 37.4	
PB03	comp=E,491nm,0.4s	2.09	193	f/P	Pn	20 17 14.1 +0.7	
PB03	IPOC Station P			IAML		20 17 42.6	
PB04	comp=E,336nm,0.2s	2.47	200	eP	Pn	20 17 18.6 +0.3	
PB04	IPOC Station P			IAML		20 17 49.2	
LVC	Limon Verde	2.61	173	P	Pn	20 17 21.7 +1.4	
LVC	comp=N,4.8nm,0.3s,baz=27,slow=10,SNR=74						
LVC	comp=N,24nm,0.3s,baz=273,slow=23,SNR=56						
PB06	IPOC Station P	2.71	186	f/P	Pn	20 17 51.9 +0.5	
PB06				f/S	Sb	20 17 52.6 -1.4	
PB06				IAML		20 17 57.6	
LPAZ	La Paz	3.84	16	P	Pn	20 17 39.0 +2.2	
LPAZ	comp=N,2.9nm,0.3s,baz=204,slow=5.8,SNR=50						
LPAZ	comp=N,0.4nm,0.3s,baz=299,slow=19,SNR=4.2						
LPAZ	comp=N,40nm,19.8s,baz=58,slow=46						
SIV	San Ignacio	8.74	64	P	Pn	20 18 38.4 -4.0	
SIV	comp=N,0.1nm,0.3s,baz=279,slow=15,SNR=2.5						
SIV	comp=N,51nm,21.9s,baz=76,slow=42						
CPUP	Villa Florida	12.64	12	P	Pn	20 19 29.6 -4.9	
CPUP	comp=N,0.3nm,0.3s,baz=294,slow=4.3,SNR=3.2						
TORD	Torodi Ar. Bea	77.16	71	P	P	20 28 18.6 -1.6	
TORD	comp=N,0.2nm,0.3s,baz=250,slow=1,SNR=4.2						
YKA	Yellowknife Arr	86.68	341	P	P	20 29 24.1 +0.8	
YKA	comp=N,0.5nm,0.7s,baz=134,slow=4.5,SNR=10						

NIED 01 20:52:00, 36:20N, 141:10E, h38km, Mw4.2 Best double couple: M1: 99000x1019 N1: 246.00000, 321.00000, 1.756.00000 N2: 363.00000, 362.00000, 1.71.00000

ISCJB 01 20:52:44.6.0.6, 36:22N, 141:07E, 0:06, h39km, 4km, mb3.9/24, MS3.2/8, Error ellipse: s-maj=7.5km s-min=4.6km az=11.4

JMA 01 20:52:45.1.0.1, 36:19N, 140:98E, h44km, 1km, M3.9

JMA Felt II J1

IOC 01 20:52:46.0.4.0, 36:21N, 140:95E, h33km, 30km, mb3.7/22, mb1 3.9/25, mb1mx3.8/64, mbtmp3.9/25, ML3.6/3, MS3.2/11, Ms1 3.3/11, ms1mx3.0/58, Error ellipse: s-maj=14.9km s-min=1.3, 1km az=112.0

ISC 01 20:52:45.2.1.2, 36:23N, 0:03:141:03E:0:05, h27km, 8km, n62, r08/86, mb4.1/33, MS3.2/8, Near east coast of eastern Honshu

Code	Station Name	A°	AZ°	Phase ID	ISC	Time	Res
					h m s	ISC	
JHYU	Hitachinakayam	0.38	287	P	Pn	20 52 54.4 -0.4	
JHYU				S	Sb	20 53 00.6 -0.6	
JHYU				P	Pn	20 52 55.8 +0.5	
JHYU	Hitachinouch	0.49	237	P	Pn	20 53 03.4 -0.6	
JHYU				S	Sb	20 52 56.2 +0.2	
JHO	Hitachi	0.53	315	P	Pb	20 52 55.9 -0.4	
CHOU	Choshi	0.55	195	P	Sb	20 53 03.1 -0.7	
CHOU				S	Sb	20 52 57.8 -0.6	
JYT	Yasato	0.68	270	P	Pb	20 53 05.5 -1.0	
JYT				P	Pb	20 52 59.2 -0.6	
JSMT	Sammumatsuo	0.76	219	P	Pb	20 53 09.6 -0.1	
JSMT				S	Sb	20 53 09.6 -0.1	
ONAJ	Iwakimizuishiy	0.89	348	P	Pn	20 53 12.4 -1.1	
ONAJ				S	Sb	20 53 02.2 -0.4	
ONAJ	Fukushimafurud	0.94	336	P	Pn	20 53 04.9 +0.1	
ONAJ	JCN	1.06	281	P	Pn	20 53 04.0 -0.8	
ONAJ	Nagai	1.14	354	P	Pn	20 53 05.6 -0.1	
ONAJ	Kawachi	1.17	243	P	Pn	20 53 06.6 -0.8	
ONAJ	TOK	1.27	279	P	Pn	20 53 21.4 +0.1	
ONAJ	JAG	1.29	279	P	Pn	20 53 21.4 +0.1	
ONAJ	MJAR	2.30	279	Pn	Pn	20 53 48.5 -0.3	
ONAJ	2.7nm,0.3s,baz=218,slow=24,SNR=140						
ONAJ	3.5nm,0.3s,baz=92,slow=12,SNR=9.8						
MJAR				LR	LR	20 54 24.2	
MJAR	comp=Z,536nm,19.0s,baz=115,slow=44						
MJAR	Matsushiro	2.30	279				

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Contains station data for Northern Alaska and other regions.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Contains station data for the 2013 FEB period, including various seismic stations.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Contains station data for the 2013 FEB period, including various seismic stations.









Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like BELC, SHOC, I07A, BC3, WVOR, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like BGU, WUAZ, WUAZ, WUAZ, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like SHLS, SHLS, SHLS, SHLS, etc.



T25A	Trinidad	96.68	54	P	P	22 30 04.0	-1.5
LAO	LASA Array	96.79	44	eP	P	22 30 05.6	+0.1
LAO	comp-Z, 4.3nm, 0.7s			LR	LR		
LAO	comp-Z, 1.1um, 20.0s						
LAO	LASA Array	96.79	44	P	P	22 30 04.5	-1.0
KUU	Kurty	96.90	313	eP	P	22 30 02.9	-3.1
KUU	comp-Z, 1.1um, 20.0s			e/S	SKSac	22 33 55.8	-3.1
KUU	comp-Z, 1.3nm, 2.0s			pmax	pmax	22 40 39.9	-1.1
KUU	comp-N, 1um, 4.9s			smax	smax		
KUU	comp-Z, 1um, 17.0s						
KUU	Kurty	96.90	313	eP	P	22 30 02.9	-3.1
KUU	comp-Z, 1.3nm, 2.0s			ePP	PP	22 33 55.9	-5.9
KUU	comp-Z, 1um, 4.9s			fl/S	SKSac	22 40 40.0	-1.1
KUU	comp-Z, 1um, 17.3s			eLRM	MLR	23 12 06.2	
SNA	Snae	97.12	184	eP	P	22 30 08.2	+1.6
SNA	Snae	97.12	184	eP	P	22 30 08.6	+1.9
SNA	Snae	97.12	184	iP	P	22 30 06.4	-0.1
MSX	Muleshoe	97.54	57	P	P	22 30 05.8	-0.7
NIL	Nilore	97.82	303	PFAKE	LR	22 30 20.0	+1.0
VNA	Neumayer Olymp	97.85	182	P	P	22 30 12.4	+2.5
RSD	Black Hills	97.95	47	P	P	22 30 09.6	-1.4
FRU	Bishkek	97.99	312	eP	P	22 30 17.0	+6.0
FRU	comp-Z, 1.60nm, 3.0s			e	pmax	22 40 48.0	
AAK	Ala-Archa	98.06	312	iP	P	22 30 07.8	-3.6
AAK	comp-Z, 2.0nm, 1.0s			pmax	pmax		
AAK	comp-Z, 5um, 18.0s			MLR	MLR		
AAK	Ala-Archa	98.06	312	PKKPbc	PKKPbc	22 46 45.8	-0.1
AAK	comp-Z, 2.3nm, 1.0s, baz=176, slow=6.4, SNR=4.6						
AAK	comp-Z, 4um, 21.6s, baz=81, slow=35					23 14 09.9	
VNA	Neumayer-Watz	98.09	182	P	P	22 30 11.1	+0.2
KSC	Kaye Shedlock	98.33	52	P	P	22 30 11.7	-1.0
DMG	Dagmar	98.40	42	eP	P	22 30 11.9	-0.8
DMG	comp-Z, 4.2nm, 0.7s			LR	LR		
DMG	Dagmar	98.40	42	Pdiff	P	22 30 10.9	-1.8
DMG	comp-Z, 9um, 21.0s						
VNA	Neumayer-Stat	98.40	182	P	P	22 30 15.0	+2.8
AMX	Amarillo	98.56	56	Pdiff	P	22 30 12.3	-1.5
OGNE	Ogallala	99.03	50	PFAKE	LR	22 30 30.0	+1.4
OGNE	comp-Z, 1.8um, 20.0s						
OGNE	Ogallala	99.03	50	Pdiff	Pdiff	22 30 13.3	-2.5
BHJ	Bhuj	99.53	292	eP	P	22 30 17.1	-1.1
BHJ	comp-Z, 4um, 6.9s			iAmb	iAmb	22 30 31.1	
JCT	Junction City	99.57	61	PFAKE	LR	22 30 30.0	+1.2
JCT	comp-Z, 3.7um, 20.0s			LR	LR		
JCT	Junction City	99.57	61	Pdiff	Pdiff	22 30 15.3	-3.0
JCT	comp-Z, 9um, 20.0s						
833A	Chaparral WMA	99.65	63	Pdiff	Pdiff	22 30 16.4	-2.3
ABTX	Ablers Hawle	99.96	59	Pdiff	Pdiff	22 30 17.0	-3.0
FFC	Flin Flon	100.40	36	PFAKE	LR	22 30 30.0	+8.6
FFC	comp-Z, 2.0um, 20.0s			LR	LR		
CBKS	Cedar Bluff	100.55	52	PFAKE	LR	22 30 30.0	+7.5
CBKS	comp-Z, 1.3um, 20.0s			LR	LR		
CBKS	Cedar Bluff	100.55	52	Pdiff	Pdiff	22 30 20.8	-1.7
CBKS	comp-Z, 2.0um, 20.0s						
KVXT	Kingsville	100.88	64	PFAKE	LR	22 30 40.0	+1.6
KVXT	comp-Z, 9um, 20.0s			LR	LR		
WMOK	Wichita Mounta	100.91	57	PFAKE	LR	22 30 40.0	+1.6
WMOK	comp-Z, 2.6um, 20.0s			LR	LR		
BRVK	Borovoye	101.81	322	PFAKE	LR	22 30 40.0	+1.2
BRVK	comp-Z, 7um, 21.0s			LR	LR		
BRVK	Borovoye	101.81	322	iP	P	22 30 25.5	-2.2
BRVK	comp-Z, 2.0nm, 0.9s			pmax	pmax		
BRVK	comp-Z, 1.0um, 18.0s			MLR	MLR		
KSU1	Kansas State U	103.01	52	PFAKE	LR	22 30 40.0	+6.6
ECSD	EROS Data Cent	103.26	48	PFAKE	LR	22 30 50.0	+1.6
ECSD	comp-Z, 1.1um, 20.0s			LR	LR		
PAYG	Puerto Ayora	103.88	93	PFAKE	LR	22 30 50.0	+1.2
PAYG	comp-Z, 1.1um, 20.0s			LR	LR		
NATX	Nacogdoches	104.08	60	PFAKE	LR	22 30 50.0	+1.2
NATX	comp-Z, 2.9um, 20.0s			LR	LR		
MIAR	Mount Ida	105.17	57	PFAKE	LR	22 35 10.0	+1.3
MIAR	comp-Z, 2.8um, 20.0s			LR	LR		
SCIA	State Center	105.70	49	PFAKE	LR	22 35 10.0	+1.2
SCIA	comp-Z, 2.5um, 20.0s			LR	LR		
EYMN	Ely	106.85	43	PFAKE	LR	22 35 10.0	+1.0
EYMN	comp-Z, 1.2um, 20.0s			LR	LR		
EFI	East Falkland	107.14	153	PFAKE	LR	22 35 10.0	+9.4
EFI	comp-Z, 6um, 20.0s			LR	LR		
JFWS	Jewell Farm	107.89	48	PFAKE	LR	22 35 10.0	+7.7
JFWS	comp-Z, 1.2um, 20.0s			LR	LR		
ARU	Arti	108.44	326	PFAKE	LR	22 35 10.0	+7.1
ARU	comp-Z, 5um, 20.0s			LR	LR		
COWI	Conover	108.55	45	PFAKE	LR	22 35 10.0	+6.6
COWI	comp-Z, 9um, 22.0s			LR	LR		
HDIL	Hopedale	108.67	51	PFAKE	LR	22 35 20.0	+1.6
HDIL	comp-Z, 1.3um, 20.0s			LR	LR		
AKTO	Aktjubinsk	109.52	320	PKKPbc	PKKPbc	22 46 10.7	-0.9
AKTO	comp-Z, 3.9nm, 1.1s, baz=208, slow=5.6, SNR=3.7						
BRAL	Brewton	110.55	61	PFAKE	LR	22 35 20.0	+1.2
BRAL	comp-Z, 1.6um, 19.0s			LR	LR		
KBS	Kingsbay	110.87	355	PFAKE	LR	22 35 20.0	+1.3
KBS	comp-Z, 4um, 20.0s			LR	LR		
JTS	JuntasAbangare	110.98	83	PFAKE	LR	22 35 20.0	+1.1
JTS	comp-Z, 1.1um, 20.0s			LR	LR		
GLMI	Grayingl	111.83	46	PFAKE	LR	22 35 20.0	+1.0
GLMI	comp-Z, 1.6um, 20.0s			LR	LR		
ABPO	Ambohpanom	112.18	244	PFAKE	LR	22 35 20.0	+8.7
ABPO	comp-Z, 8um, 22.0s			LR	LR		
HOPE	Hope Point	112.34	166	PFAKE	LR	22 35 20.0	+1.0
HOPE	comp-Z, 6um, 21.0s			LR	LR		
AAM	Ann Arbor	112.79	49	PFAKE	LR	22 35 20.0	+8.5
AAM	comp-Z, 2.7um, 20.0s			LR	LR		
LOO	Las Campanas	112.80	128	PFAKE	LR	22 35 20.0	+7.6
LOO	comp-Z, 1um, 21.0s			LR	LR		
ACSO	Alum Creek Sta	113.50	51	PFAKE	LR	22 35 20.0	+7.1
ACSO	comp-Z, 9um, 20.0s			LR	LR		
GOGA	Godfrey	113.56	58	PFAKE	LR	22 35 20.0	+6.7
GOGA	comp-Z, 1um, 21.0s			LR	LR		

NNA	Nana	114.06	108	PFAKE	LR	22 35 30.0	+1.5
NNA	comp-Z, 2.7um, 20.0s			LR	LR		
LVZ	Lovozero	114.75	342	PFAKE	LR	22 35 30.0	+1.5
LVZ	comp-Z, 3um, 21.0s			LR	LR		
PRVC	Isla de Provid	114.84	80	eP	PP	22 36 20.0	+5.1
PRVC	Isla de Provid	114.84	80	eP	PP	22 36 20.0	+5.1
APA	Apaitiy	115.32	342	fl/PPKIPK	PPKIPK	22 35 14.3	-1.3
APA	comp-Z, 6.0nm, 1.0s			i/PS	PS	22 36 11.0	
APA	comp-Z, 6.0nm, 1.0s			i/PPS	PPS	22 45 57.0	+0.1
APA	comp-Z, 6.0nm, 1.0s			pmax	pmax	22 47 08.0	
OTAV	Otavalo	115.65	95	PFAKE	LR	22 35 30.0	+1.2
OTAV	comp-Z, 6um, 24.0s			LR	LR		
KEV	Kevo	115.71	345	PFAKE	LR	22 35 30.0	+1.4
KEV	comp-Z, 9um, 22.0s			LR	LR		
BLA	Blacksburg	115.79	54	PFAKE	LR	22 35 30.0	+1.2
BLA	comp-Z, 1.2um, 20.0s			LR	LR		
BCIP	Isla Barro Col	115.82	85	PFAKE	LR	22 35 30.0	+1.2
BCIP	comp-Z, 4um, 19.0s			LR	LR		
BCIP	Isla Barro Col	115.82	85	eP	PP	22 36 29.2	+7.3
ARCES	ARCCESS Array B	116.24	345	PKP	PKKIPK	22 35 16.4	-0.9
ARCES	comp-Z, 3.1nm, 0.7s, baz=43, slow=4.1, SNR=20						
NHSC	New Hope	116.33	59	PFAKE	LR	22 35 30.0	+1.1
NHSC	comp-Z, 2.6um, 20.0s			LR	LR		
KLMR	Klimovskoe	116.59	334	ePKIPK	PKPpdf	22 35 15.6	-2.6
KLMR	comp-Z, 1.7nm, 1.6s			pmax	pmax		
KLMR	Klimovskoe	116.59	334	ePKPpdf	PKPpdf	22 35 15.7	-2.5
KLMR	comp-Z, 1.7nm, 1.6s			AMP	AMP	22 35 31.0	
GCUP	Volcan Galeras	116.94	94	eP	PP	22 36 28.0	-2.2
GCUP	Volcan Galeras	116.94	94	eP	PP	22 36 28.0	-2.2
LVC	Limon Verde	117.14	122	PFAKE	LR	22 35 30.0	+9.0
LVC	comp-Z, 8um, 20.0s			LR	LR		
MAK	Makhachkala	117.82	313	eP	Pdiff	22 31 31.5	-7.6
MAK	comp-Z, 2.6um, 20.0s			i/e	i/e	22 35 16.5	
MAK	comp-Z, 2.6um, 20.0s			e/PS	e/PS	22 42 05.3	
MAK	comp-Z, 1.71nm, 1.3s			pmax	pmax	22 46 14.5	+2.8
MAK	comp-Z, 8um, 16.0s			MLR	MLR		
SOTA	Rioblanco	117.84	93	eP	PP	22 36 29.5	-7.1
SOTA	Rioblanco	117.84	93	eP	PP	22 36 29.5	-7.1
POPC	Popayan, Colom	117.85	93	eP	PP	22 36 31.7	-4.6
POPC	Popayan, Colom	117.85	93	eP	PP	22 36 31.7	-4.6
CNNC	Cliffs of the	118.03	56	PFAKE	LR	22 35 30.0	+8.2
CNNC	comp-Z, 1.3um, 20.0s			LR	LR		
MINMC	Minye Minye	118.04	119	ePKPpdf	PKKIPK	22 35 23.4	+0.7
CBN	Corbin Frederi	118.06	53	PFAKE	LR	22 35 30.0	+8.2
PCON	Cinco Dias	118.08	93	eP	PP	22 36 31.7	-6.6
PCON	Cinco Dias	118.08	93	eP	PP	22 36 31.7	-6.6
BINY	Binghamton	118.43	48	PFAKE	LR	22 35 30.0	+7.6
BINY	comp-Z, 9um, 20.0s			LR	LR		
YOTC	Yotoco, Valle	118.44	91	eP	PP	22 36 39.9	-0.3
YOTC	Yotoco, Valle	118.44	91	eP	PP	22 36 39.9	-0.3
MARF	Paez Belcaza	118.61	93	eP	PP	22 36 38.5	-3.2
MARF	Paez Belcaza	118.61	93	eP	PP	22 36 38.5	-3.2
PLMC	San Jos del P	118.66	90	eP	PP	22 36 31.7	-1.0
PLMC	San Jos del P	118.66	90	eP	PP	22 36 31.7	-1.0
MTDJ	Mount Denham	118.89	75	PFAKE	LR	22 35 40.0	+1.6
MTDJ	comp-Z, 7um, 20.0s			LR	LR		
LONY	Lake Ozonia	118.91	45	PFAKE	LR	22 35 30.0	+6.7
LONY	comp-Z, 1.2um, 19.0s			LR	LR		
GROC	Groznyy	118.99	313	iPKIPK	PKPpdf	22 35 15.4	-8.0
GROC	comp-Z, 2um, 20.0s			e/PS	e/PS	22 38 40.7	
GROC	comp-Z, 2um, 20.0s			e/PS	e/PS	22 42 30.0	
GROC	comp-Z, 2um, 20.0s			PKKpdf	PKKpdf	22 46 31.3	+2.2
GROC	comp-Z, 1.1nm, 1.2s			pmax	pmax		
SFJD	Kangerlussuaq	119.12	15	PFAKE	LR	22 35 30.0	+7.0
SFJD	comp-Z, 1.1um, 19.0s			LR	LR		
PTLC	Puerto Leguiza	119.21	96	eP	PP	22 36 27.8	-1.8
PTLC	Puerto Leguiza	119.21	96	eP	PP	22 36 27.8	-1.8
VRH	Novokhovopskiy	119.38	323	iPKIPK	PKKpdf	22 35 20.5	-3.4
VRH	comp-Z, 4.0nm, 0.9s			pmax	pmax		
VRH	comp-Z, 6um, 19.0s			ML			

1d 22h

Table with columns for station name, frequency, power, and other technical details. Includes stations like TRPA, ARR, LTVH, LANS, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like SET, UCM, CKHR, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like RMQ, COEN, COEN, etc.

MLH	390nm,1.4s	49.14	52	eP	P	22 27 22.3	+0.3
KHLH	Kahului Airpor	49.16	50	eP	P	22 27 21.6	-0.3
NWAO	Narrogin (SRO)	49.18	236	eP	P	22 27 19.9	-1.9
MORW	Morawa	49.33	241	P	P	22 27 24.5	+1.4
MORW	Morawa	49.33	241	eP	P	22 27 20.7	-2.4
RKGY	Rocky Gully	49.83	234	P	P	22 27 31.6	+4.8
GIRL	Giralia	50.12	250	eP	P	22 27 29.4	+0.2
JAGI	Jajag, Banyuwa	50.59	268	eP	P	22 27 32.0	-0.8
KKM	Kota Kinabalu	51.91	287	eP	P	22 27 43.1	+0.2
JOW	Kunigami	52.25	317	eP	P	22 27 44.4	-0.7
MJAR	Matsushiro Arr	53.94	333	P	P	22 27 58.0	+0.6
MAJO	Matsushiro	53.95	333	eP	P	22 27 59.0	+1.6
MAT	Matsushiro	53.95	333	P	P	22 27 58.3	+0.9
MJB9	Matsu-Tunnel	53.95	333	eP	P	22 27 58.4	+1.0
UGM	Wanagama	54.22	268	eP	P	22 27 59.4	-0.5
SMRI	Samarang	54.43	269	eP	P	22 27 58.1	-3.3
YOJ	Yonaguni jima	54.51	311	eP	P	22 28 00.0	-1.6
SBUM	Sibu	54.66	281	eP	P	22 28 01.1	-1.9
JNU	Nakutsue	55.01	324	eP	P	22 28 03.3	-1.9
JNU	Nakutsue	55.01	324	P	P	22 28 06.9	+1.7
TWG	Pinlang	55.05	308	eP	P	22 28 01.7	-4.0
NACB	Ninganchiao	55.40	310	eP	P	22 28 06.6	-1.6
TPUB	Ta-pu	55.66	308	eP	P	22 28 08.7	-1.4
SSLB	Suanglung	55.67	309	eP	P	22 28 04.7	-5.4
KSM	Kuching	56.25	279	eP	P	22 28 09.1	-5.4
CISI	Cisompet, Garu	56.93	268	eP	P	22 28 19.1	-0.3
XMIS	Christmas Isla	58.67	264	eP	P	22 28 28.9	-2.6
ASAJ	Asahikawa	58.81	341	P	P	22 28 32.7	+0.8
KSRS	Korea Array	59.81	326	P	P	22 28 40.0	+1.1
KS15	Wonju Array Si	59.83	326	eP	P	22 28 34.9	-4.2
KSAR	Wonju Array Be	59.83	326	P	P	22 28 40.0	+1.0
KS01	Wonju Array Si	59.85	326	eP	P	22 28 39.6	+0.5
YSS	Yuzh-Sakhalins	61.31	342	P	P	22 28 46.7	-2.3
NJ2	Nanjing	61.91	316	eP	P	22 28 55.4	+2.1
NJ2	Nanjing			sP	pP	22 29 02.4	+0.8
NJ2	Nanjing			s	pmx	22 27 19.2	+3.7
NJ2	comp=Z,1um,8.4s			LR	LR		
NJ2	comp=E,13um,16.8s			LR	LR		
NJ2	comp=Z,14um,18.4s			LR	LR		
QIZ	Qiongzong	62.49	298	P	P	22 28 56.4	-1.1
QIZ	Qiongzong			S	S	22 27 35.9	+2.3
USRK	Usuriysk Ar.	62.92	334	P	P	22 29 00.7	+0.8
SMY	Shemya	64.06	6	eP	P	22 29 04.8	-2.3
MDJ	Mudanjiang	64.32	332	P	P	22 29 11.2	+2.1
PETK	Petrovlovsk-	64.35	355	P	P	22 29 09.7	+0.6
DL2	Dalian	64.40	323	P	P	22 29 12.1	+2.4
DL2	Dalian			s	S	22 27 54.4	+8.0
DL2	comp=Z,41nm,1.4s			pmx	pmx		
DL2	comp=Z,2um,8.5s			LR	LR		
DL2	comp=N,10um,15.1s			LR	LR		
DL2	comp=E,5um,21.2s			LR	LR		
DL2	comp=Z,12um,22.7s			LR	LR		
KIWB	Kanaga Island	64.53	12	eP	P	22 29 09.6	-0.7
BKNI	Bangkinang	65.01	276	eP	P	22 29 14.3	+0.1
IPM	Ipo	65.97	280	eP	P	22 29 19.3	-1.2
CASY	Casey	66.18	201	eP	P	22 29 20.9	+0.1
VNDA	Vanda	66.38	181	eP	P	22 29 21.7	-0.3
SBA	Scott Base	66.69	180	eP	P	22 29 28.4	+4.4
NIKH	Nikolski High	67.55	16	eP	P	22 29 28.9	-0.8
PSI	Prapa	67.62	278	eP	P	22 29 29.1	-2.0
ENH	Enshi	67.76	309	eP	P	22 29 30.8	-0.8
GYA	Guyang	68.26	304	iP	P	22 29 35.5	+0.6
GYA	Guyang			pp	pp	22 29 42.0	-0.8
GYA	Guyang			pp	pp	22 32 08.6	+2.7
GYA	Guyang			ScP	S	22 34 02.2	
GYA	Guyang			s	S	22 38 33.3	-0.7
GYA	Guyang			sS	S	22 38 44.0	0.0
GYA	Guyang			SKIP	SKIP	22 39 29.1	+1.2
GYA	Guyang			pmx	pmx		
GYA	comp=Z,80nm,1.0s			pmx	pmx		
GYA	comp=Z,620nm,7.4s			LR	LR		
GYA	comp=N,9um,19.2s			LR	LR		
GYA	comp=E,10um,20.0s			LR	LR		
GSI	Gunungsitoli	68.60	276	eP	P	22 29 36.5	-0.7
UNV	Unalaska Valle	69.00	17	eP	P	22 29 39.3	+0.6
XAN	Xi'an	70.00	312	P	P	22 29 52.7	+7.3
XAN	Xi'an			pP	pP	22 29 59.0	-0.4
XAN	Xi'an			sP	sP	22 30 02.1	-5.5
XAN	Xi'an			PP	PP	22 32 27.8	+7.1
XAN	Xi'an			S	S	22 38 58.4	+4.3
XAN	Xi'an			sS	sS	22 39 08.9	+1.5
XAN	Xi'an			ScS	ScS	22 39 49.6	+3.7
XAN	Xi'an			SS	SS	22 43 28.6	+4.4
XAN	comp=Z,26nm,1.3s			pmx	pmx		
XAN	comp=Z,1um,5.6s			LR	LR		
XAN	comp=N,11um,17.4s			LR	LR		
XAN	comp=E,7um,19.5s			LR	LR		
KMI	Kumming	70.95	302	eP	P	22 29 56.9	+5.3
MA2	Magadan	71.48	352	eP	P	22 29 55.6	+1.7
MA2	Magadan	71.48	352	LR	LR	22 55 27.9	
HHC	Hu-ho-huo	71.74	320	eP	P	22 29 58.1	+2.1
HHC	Hu-ho-huo			sP	sP	22 30 10.4	+1.8
HHC	Hu-ho-huo			PP	PP	22 32 34.0	-1.6
HHC	Hu-ho-huo			SS	SS	22 39 19.3	+5.0
HHC	comp=Z,29nm,1.4s			pmx	pmx		
HHC	comp=Z,800nm,6.2s			LR	LR		
HHC	comp=Z,9um,20.2s			LR	LR		
HHC	comp=Z,17um,19.4s			LR	LR		
CM01	Chiang Mai Arr	71.88	294	eP	P	22 29 57.8	+0.7

CM31	Chiang Mai Arr	71.91	294	eP	P	22 29 55.3	-2.0
CMAR	Chiang Mai Arr	71.91	294	P	P	22 29 58.5	+1.2
HIA	Hailar	72.33	331	P	P	22 29 56.8	-2.4
CD2	Chengdu	72.45	307	eP	P	22 29 59.5	-0.9
LZH	Lanzhou	74.63	312	eP	P	22 30 18.4	+3.2
LZH	Lanzhou			pP	pP	22 30 21.6	+0.4
LZH	Lanzhou			sP	sP	22 30 26.0	-1.3
LZH	comp=Z,330nm,1.4s			pmx	pmx		
SOMN	Songjiao Array	78.59	324	P	P	22 30 35.9	+0.5
QSPA	Qinghai Pole	78.85	180	eP	P	22 30 37.0	+0.6
BILL	Bilibino	78.99	0	eP	P	22 30 35.5	-1.3
HMT	Hamilton	81.65	23	eP	P	22 30 51.9	+0.5
KLU	Klutina	81.80	21	eP	P	22 30 51.4	-0.8
TLY	Talaya	82.06	326	eP	P	22 30 52.2	-1.6
MCK	McKinley	82.33	19	eP	P	22 30 54.3	-0.6
KCPM	Cahto Peak	82.82	47	eP	P	22 30 58.4	+0.2
KMRM	Mali Ridge	82.92	47	eP	P	22 30 58.4	-0.2
HOPS	Hopland Field	82.95	48	eP	P	22 30 57.4	-1.2
SAO	San Andreas Ge	83.41	51	eP	P	22 31 01.3	+0.2
HDA	Harding Lake	83.43	19	P	P	22 31 00.9	+0.3
TCOL	CIGO, UAF Yank	83.47	18	P	P	22 31 02.2	+1.5
COLA	College	83.47	18	eP	P	22 31 03.8	+3.1
ILAR	Eielson Array	83.70	19	P	P	22 31 00.6	-1.4
ILB	Eielson Array	83.70	19	eP	P	22 31 01.0	-1.0
K02D	Williamette Mer	83.84	44	P	P	22 31 03.3	+0.1
N02D	Trinity Center	83.90	46	P	P	22 31 03.8	+0.2
M02C	Callahan	83.94	46	P	P	22 31 04.1	+0.3
ORV	Oroville	84.29	48	eP	P	22 31 06.7	+1.2
O03E	Paynes Creek	84.32	47	P	P	22 31 05.3	-0.5
AFDM	Forest Hills D	84.48	49	eP	P	22 31 08.5	+2.0
MAW	Mawson	84.52	202	P	P	22 31 12.9	+6.8
MAW	Mawson	84.52	202	P	P	22 31 06.6	+0.5
BBB	Bella Bella	84.82	35	LR	LR	23 01 41.1	
G03D	McIntville, O	85.02	42	P	P	22 31 08.2	-0.9
I04A	Tendick Farm,	85.09	44	P	P	22 31 07.9	-1.6
J04D	Umpqua Nationa	85.10	44	P	P	22 31 09.6	-0.2
H04D	Lebanon	85.12	43	P	P	22 31 09.3	-0.3
ISA	Isabella, Lake	85.35	52	eP	P	22 31 13.1	+2.0
ISA	Isabella, Lake	85.35	52	P	P	22 31 10.7	-0.4
EDW2	Edwards Air Fo	85.50	53	P	P	22 31 11.4	-0.4
OMBO	Old Mammoth Fi	85.53	50	eP	P	22 31 14.3	+2.1
J05D	Fort Rock, OR	85.72	45	P	P	22 31 12.0	-0.8
CWC	Cottonwood Cre	85.89	52	P	P	22 31 13.2	-0.6
E04D	Cinebar	85.95	41	eP	P	22 31 13.1	-0.6
PINE	Pine Mountain	86.09	44	eP	P	22 31 14.6	-0.1
TIXI	Tiksi	86.15	349	eP	P	22 31 14.8	+0.8
MPMC	Manual Prospec	86.23	52	P	P	22 31 15.0	-0.6
PALK	Palleke	86.30	278	eP	P	22 31 15.2	-1.0
NVAR	Mina Array Bea	86.30	50	P	P	22 31 15.1	-0.8
PFO	Pinoy Flats O	86.37	55	eP	P	22 31 16.4	+0.2
IKP	In-Ko-Pah, Jac	86.39	56	P	P	22 31 16.1	-0.1
F05D	White Salmon	86.44	42	P	P	22 31 15.8	-0.3
GSC	Golstone, Bar	86.56	53	P	P	22 31 16.7	-0.3
DLBC	Dease Lake	86.63	28	eP	P	22 31 14.8	-2.1
A04D	Lummi Island	86.64	39	P	P	22 31 16.8	-0.2
HEC	Hector,Ludlow	86.80	54	P	P	22 31 17.8	-0.4
BELC	Belle Mtn. Jos	86.84	55	P	P	22 31 18.3	-0.2
B06A	Marblemount	87.32	40	eP	P	22 31 18.6	-1.8
GLA	Glamis	87.54	56	P	P	22 31 21.8	-0.1
HAWA	Hanford	87.87	42	eP	P	22 31 21.4	-1.7
G08A	Golconda	87.91	43	eP	P	22 31 22.2	-1.2
Y12C	Blythe	87.96	55	P	P	22 31 23.1	-0.6
E08A	Dider Farm, El	88.22	42	eP	P	22 31 25.6	+0.9
PDMC1	Parker Dam,Lak	88.41	55	P	P	22 31 25.7	-0.1
214A	Organ Pipe Nat	88.92	57	P	P	22 31 28.4	0.0
WMQ	Urumqi	88.98	315	P	P	22 31 31.7	+3.3
WMQ	Urumqi			pp	pp	22 34 59.7	+1.2
WMQ	comp=Z,50nm,1.5s			pmx	pmx		
WMQ	comp=Z,1um,3.9s			LR	LR		
WMQ	comp=Z,11um,19.5s			LR	LR		
LCMT	Little Creek M	89.78	52	eP	P	22 31 33.0	+0.5
SZYU	Shurtz Canyon	90.05	52	eP	P	22 31 36.4	+2.6
SYCO	Comp=Z,69nm,1.3s	91.60	197	iP	P	22 31 39.8	-0.3
SYO	Syowa Base	91.60	197	iP	P	22 31 45.4	+5.3
MKAR	Makanchi Array	93.42	317	P	P	22 31 48.6	-0.4
MKAR	comp=Z,2.3nm,0.8s,baz=98,slow=4.9,SNR=2.0			PKPb	PKPb	22 48 54.0	-2.2
MKAR	comp=Z,1.1nm,0.9s,baz=270,slow=3.4,SNR=3.6			PKPPK	PKPPK	22 56 54.1	
ZAA0	Zalesovo Array	93.49	324	eP	P	22 31 49.0	0.0
ZALV	Zalesovo Beam	93.49	324	P	P	22 31 48.5	-0.5
ZALV	comp=Z,3.2nm,0.9s,baz=126,slow=2.5,SNR=6.6			PKPb	PKP		



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TNSS, ARXS, IZV, CHKK, KAPS, BOOM, KST, DGS, ARLS, etc.

IDC 01 22:45:24.6; 1.4, 11.035x165.38E, h0km, mb3.9/9, mb1.4/1.0, mb1mx3.9/4.9, mbtmp3.9/10, ML4.0/1, Error ellipse: s-maj=44.0km s-min=22.8km az=124.0

ISC JB 01 22:45:27.4; 0.9, 11.2S; 0.1:165.4E; 0.2, h30km, mb3.8/9, Error ellipse: s-maj=24.9km s-min=15.8km az=13.0

ISC 01 22:45:29.2; 1.0, 11.1S; 0.1x165.4E; 0.2, h30km, n10, a0572/10, mb3.8/9, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, STKA, WRA, ASAR, FITZ, SONMO, ILAR, MKAR, ZALV, YKA, etc.

IDC 01 22:49:36.0; 1.7, 11.005x165.31E, h0km, mb3.7/3, mb1.4/1.4, mb1mx3.6/4.5, mbtmp3.8/4, ML4.0/1, Error ellipse: s-maj=52.1km s-min=30.7km az=128.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, WRA, ASAR, ILAR, etc.

IDC 01 22:53:18.7; 0.5, 32.605x177.77W, h0km, mb4.3/13, mb1.4/1.6, mb1mx3.4/3.9, mbtmp3.4/3.16, ML4.3/2, Error ellipse: s-maj=19.6km s-min=18.1km az=126.0

NEIC 01 22:53:19.8; 4.9, 32.785x177.81W, h10km, mb4.3/11, Error ellipse: s-maj=14.3km s-min=9.9km az=53.0

WEL 01 22:53:22.8; 0.5, 32.5S; 12.1x17.9W; 2.8, h160km, 13km Yellowknife Ar 95.18 27 P P 22 58 50.2 +0.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RIZ, MXZ, WMGZ, PKGZ, MWZ, URZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RIZ, MXZ, WMGZ, PKGZ, MWZ, URZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RIZ, MXZ, WMGZ, PKGZ, MWZ, URZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RIZ, MXZ, WMGZ, PKGZ, MWZ, URZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RIZ, MXZ, WMGZ, PKGZ, MWZ, URZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RIZ, MXZ, WMGZ, PKGZ, MWZ, URZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RIZ, MXZ, WMGZ, PKGZ, MWZ, URZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RIZ, MXZ, WMGZ, PKGZ, MWZ, URZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RIZ, MXZ, WMGZ, PKGZ, MWZ, URZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RIZ, MXZ, WMGZ, PKGZ, MWZ, URZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK32, MKAR, KURK, KURBB, BVAR, ARAO, ARCES, GNI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK32, MKAR, KURK, KURBB, BVAR, ARAO, ARCES, GNI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK32, MKAR, KURK, KURBB, BVAR, ARAO, ARCES, GNI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK32, MKAR, KURK, KURBB, BVAR, ARAO, ARCES, GNI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK32, MKAR, KURK, KURBB, BVAR, ARAO, ARCES, GNI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK32, MKAR, KURK, KURBB, BVAR, ARAO, ARCES, GNI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK32, MKAR, KURK, KURBB, BVAR, ARAO, ARCES, GNI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK32, MKAR, KURK, KURBB, BVAR, ARAO, ARCES, GNI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK32, MKAR, KURK, KURBB, BVAR, ARAO, ARCES, GNI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK32, MKAR, KURK, KURBB, BVAR, ARAO, ARCES, GNI, etc.

SOME 01 22:53:33.1, 42.50N; 79.70E, h25km KRNTE 01 22:53:33.0; 0.1, 42.58N; 79.68E, h18km, mb2.8

NNC 01 22:53:33.2; 1.1, 42.57N; 79.65E, h0km, mb3.2, mpv3.1, Error ellipse: s-maj=7.4km s-min=3.7km az=151.0

ISC 01 22:53:31.8; 1.6, 42.53N; 79.69E; 0.04, h1km, 11km, 157.7, 4531/98, 25C-3D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHLS, SHLS, SHLS, SHLS, SHLS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHLS, SHLS, SHLS, SHLS, SHLS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHLS, SHLS, SHLS, SHLS, SHLS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHLS, SHLS, SHLS, SHLS, SHLS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHLS, SHLS, SHLS, SHLS, SHLS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHLS, SHLS, SHLS, SHLS, SHLS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHLS, SHLS, SHLS, SHLS, SHLS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SHLS, SHLS, SHLS, SHLS, SHLS, etc.

1d 23h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Medeo, Tianshan, Almaty, etc.

IDC 01 23:09:11.0.1.1, 10.161Sx165.68E, h0km, mb3.7/7, mb1 4.0/9, mb1mx3.7/47, mbtmp3.8/9, ML4.4/2, Error ellipse: s-maj=37.3km s-min=23.3km az=146.0

2013 FEB

0.3nm,0.9s,baz=249,slow=1.7,SNR=2.6

IDC 01 23:13:34.0.5.2,3.77S:153.75E,h465km,61km,mb3.0/6, mb1 3.1/7, mb1mx2.8/47, mbtmp3.8/7, Error ellipse: s-maj=34.0km s-min=24.1km az=37.0, New Ireland

JMA 01 23:15:38.3.0.2,24.44N:121.184E,h49km,4km,M2.9 TAP 01 23:15:38.9.2451N:121.90E,h29km,ML3.7 B ISCJB 01 23:15:39.2.0.2,24.52N:121.96E:0.01,h27km,2km, Error ellipse: s-maj=2.4km s-min=2.0km az=144.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Suao, EOS1, ENA, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TDCB, NTST, NCU, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHN1 Nanshi, TWG Pinlang, TWGBT Beinan, etc.

ISCJB 01 23:16:02.1±0.3, 131.80N±0.05±144.49E±0.06, h144km, mb1.1/49, Error ellipse: s-maj=8.2km s-min=7.0km az=170.2

IDC 01 23:16:03.7±0.3, 131.81N±144.64E, h149km, 3km, mb3.8/28, mb1.3/9.28, mb1mx3.8/5.3, mbtmp4.2/2.8, Error ellipse: s-maj=13.6km s-min=10.9km az=76.0

NEIC 01 23:16:04.7±0.7, 131.81N±144.62E, h157km, 6km, mb4.4/21, Error ellipse: s-maj=17.5km s-min=5.8km az=92.0

ISC 01 23:16:03.6±0.5, 133.86N±0.08±144.66E±0.1, h144km, n79, s=1503.77, mb4.3/56, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GUMO Guam, FAKI Fak Fak, H11S3 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MK01 Makanchi Array, ZALV Zalesovo Beam, KURK Kurchatov, etc.

IDC 01 23:36:34.6±0.9, 111.25S±165.75E, h0km, mb4.1/12, mb1.4/3.14, mb1mx4.1/4.1, mbtmp4.1/14, ML4.7/2, MS4.1/1, Ms1.4.1/1, ms1mx3.7/4.1, Error ellipse: s-maj=32.2km s-min=18.0km az=138.0

NEIC 01 23:36:36.5±0.4, 111.14S±165.63E, h10km, mb4.5/10, Error ellipse: s-maj=11.7km s-min=8.8km az=130.0

ISCJB 01 23:36:38.4±0.4, 111.27S±0.06±165.48E±0.06, h30km, mb4.2/20, Error ellipse: s-maj=9.1km s-min=6.8km az=150.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, OUEUC Queen Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FINES FINES Array B, TORO Torodi Arr, etc.

IDC 01 23:42:12.7±1.4, 111.26S±165.12E, h0km, mb3.7/4, mb4.0/5, mb1mx3.7/4.2, mbtmp4.3/8.5, ML4.2/1, Error ellipse: s-maj=51.5km s-min=27.0km az=132.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, etc.

IDC 01 23:44:16.9±0.8, 111.16S±165.41E, h0km, mb4.2/13, mb4.1/4.15, mb1mx4.1/4.1, mbtmp4.2/15, ML4.6/2, MS4.6/2, Ms1.4/6.2, ms1mx3.8/3.8, Error ellipse: s-maj=28.8km s-min=17.4km az=137.0

NEIC 01 23:44:18.5±0.3, 111.12S±165.35E, h10km, mb4.4/6, Error ellipse: s-maj=9.3km s-min=7.1km az=132.0

ISCJB 01 23:44:20.0±0.4, 111.27S±0.07±165.27E±0.06, h30km, mb4.2/18, MS4.6/2, Error ellipse: s-maj=9.5km s-min=8.4km az=12.6

ISC 01 23:44:21.5±0.5, 111.20S±0.10±165.32E±0.09, h30km, n52, s=1502.50, mb4.2/18, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, OUEUC Queen Island, etc.





2.6m,0.7s,baz=70,slow=9.6,SNR=30  
**ILAR Eielson Array 83.48 19 P** P 00 23 41.6 +0.2  
 0.4m,0.7s,baz=229,slow=5.3,SNR=25  
**NVAR Mina Array Bay 86.19 50 P** P 00 23 55.5 -0.4  
 0.7m,1.0s,baz=223,slow=4.9,SNR=3.8  
**MKAR Makanchi Array 93.17 317 P** P 00 24 28.9 +0.5  
 0.1m,0.6s,baz=93,slow=7.2,SNR=2.5

**KRSC 02 00:17:06.0 ± 1.4, 56°52'N, 162°33'E, h25km, ±10km, ML3.7, Near east coast of Kamchatka Peninsula**

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				Op	h m s	ISC
KBG	Krutoberegovo	0.29 205	eP	Pb	00 17 13.0 +0.1	
KBG	Krutoberegovo		eS	Pb	00 17 19.7 -0.4	
KBTR	Krutoberegovo	0.32 191	eP	Pb	00 17 14.1 +0.9	
KBTR	Krutoberegovo		eS	Pb	00 17 19.8 -1.3	
SMKR	Semkarok	0.61 275	eP	Pb	00 17 20.7 -0.7	
SMKR	Semkarok		eS	Pb	00 17 31.7 -0.3	
BDR	Baidarnaya	0.95 274	eP	Pb	00 17 23.5 -0.3	
BDR	Baidarnaya		eS	Pb	00 17 37.1 +0.5	
SRKR	Sorokina	0.98 279	eP	Pb	00 17 24.1 -0.1	
SRKR	Sorokina		eS	Pb	00 17 37.0 -0.6	
CIRR	Tsirk	1.28 252	eP	Pb	00 17 29.6 +0.2	
CIRR	Tsirk		eS	Pb	00 17 45.8 +0.3	
KLY	Klyuchi	1.28 262	eP	Pb	00 17 26.8 -1.4	
KLY	Klyuchi		eS	Pb	00 17 41.8 -2.7	
ZLN	Zelenaya	1.29 248	eP	Pb	00 17 29.4 -0.1	
KRSR	Krestovskiy	1.35 258	eP	Pb	00 17 29.8 +0.6	
KRSR	Krestovskiy		eS	Pb	00 17 46.8 +0.4	
BZGR	Bezmyanni-Gr	1.37 246	eP	Pb	00 17 31.0 0.0	
BZWR	Bezmyanni-We	1.47 249	eP	Pb	00 17 32.3 -0.3	
KIHR	Kirishev	1.55 250	eP	Pb	00 17 33.4 -0.6	
KOZ	Kozyrevsk	1.76 256	eP	Pb	00 17 37.0 -0.6	
KOZ	Kozyrevsk		eS	Pb	00 18 00.6 +1.3	
TUMD	Tumrok D	1.94 228	eP	Pb	00 17 39.0 -1.6	
TUMD	Tumrok D		eS	Pb	00 18 03.5 -0.9	
TUMR	Tumrok	2.00 233	eP	Pb	00 17 40.5 -1.1	
KZV	Kizimen	2.05 228	eP	Pb	00 17 41.8 -0.7	
ESSE	Esses	3.24 243	eP	Pb	00 17 17.8 -1.2	
SPN	Mys Shipunski	3.82 207	eP	Pn	00 18 06.0 +2.9	
GNL	Ganally	4.03 227	eP	Pn	00 18 08.9 +2.9	
AVH	Avacha	4.06 218	eP	Pn	00 18 10.0 +3.5	
UGLR	Uglovaya	4.08 217	eP	Pn	00 18 10.3 +3.6	

**IDC 02 00:38:13.3 ± 2.3, 11°04'S, 165°34'E, h0km, mb3.6/2, mb1 3.9/3, mb1mx3.5/4.1, mbtmp3.7/3, ML3.7/1, Error ellipse: s-maj=52.5km s-min=46.3km az=118.0, Santa Cruz Islands**

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				Op	h m s	ISC
DZM	Mont Dzumac	11.02 175	Pn	Pn	00 40 53.0 +0.6	
H1S2	WAKE ISLAND Hy 29.37	3 T	T	T	01 14 54.5	
H1S3	WAKE ISLAND Hy 29.37	3 T	T	T	01 14 54.8	
H1S1	WAKE ISLAND Hy 29.39	3 T	T	T	01 14 56.3	
WRA	Warramunga Arr	31.11 250	P	P	00 44 34.1 +0.2	
ASAR	Alice Springs	32.44 243	P	P	00 44 45.2 -0.3	
ARCES	ARCES Array B 116.22 345	PKIPK			00 56 57.9 -0.3	

**MEX 02 00:42:17.2 ± 0.3, 14°65'N, 92°60'W, h86km, ±33km, MD3.5, Near coast of Chiapas**

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				Op	h m s	ISC
PCIG		1.21 330	iP	Pn	00 42 37.7 -1.4	
PCIG			iS	Pn	00 42 54.0 -1.4	

**IDC 02 00:44:02.9 ± 1.3, 10°99'S, 165°70'E, h0km, mb3.7/6, mb1 3.9/7, mb1mx3.7/5.1, mbtmp3.7/7, ML3.8/1, Error ellipse: s-maj=48.7km s-min=24.8km az=134.0, Santa Cruz Islands**

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				Op	h m s	ISC
DZM	Mont Dzumac	11.04 176	Pn	Pn	00 46 42.3 0.0	
H1S2	WAKE ISLAND Hy 29.31	2 T	T	T	01 21 18.0	
H1S3	WAKE ISLAND Hy 29.32	2 T	T	T	01 21 13.8	
H1S1	WAKE ISLAND Hy 29.33	2 T	T	T	01 21 22.9	
H1N1	WAKE ISLAND Hy 30.54	2 T	T	T	01 22 46.9	
H1N3	WAKE ISLAND Hy 30.54	2 T	T	T	01 22 47.0	
H1N2	WAKE ISLAND Hy 30.55	2 T	T	T	01 22 49.8	
WRA	Warramunga Arr	31.46 250	P	P	00 50 26.6 +0.1	
ASAR	Alice Springs	32.78 243	P	P	00 50 37.6 -0.5	
FITZ	Fitzroy Crossi	39.35 255	P	P	00 51 34.5 +0.1	
ILAR	Eielson Array	83.48 19 P	P	P	00 51 56.1 -0.5	
MKAR	Makanchi Array	93.45 317 P	P	P	00 57 20.5 0.0	
YKA	Yellowknife Ar	94.95 27 P	P	P	00 57 27.3 +0.4	
ARCES	ARCES Array B 116.27 345	PKIPK			01 02 47.8 -0.1	

**IDC 02 00:44:38.0 ± 1.0, 10°88'S, 165°38'E, h0km, mb3.8/4, mb1 4.1/5, mb1mx3.7/5.1, mbtmp3.9/5, ML4.0/1, Error ellipse: s-maj=50.1km s-min=31.5km az=132.0, Santa Cruz Islands**

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				Op	h m s	ISC
DZM	Mont Dzumac	11.18 175	Pn	Pn	00 47 20.0 +0.8	
WRA	Warramunga Arr	31.20 249	P	P	00 50 59.0 -0.3	
ASAR	Alice Springs	32.54 243	P	P	00 51 10.7 -0.4	
FITZ	Fitzroy Crossi	39.07 255	P	P	00 52 07.5 +0.4	
ILAR	Eielson Array	83.47 19 P	P	P	00 57 07.1 -0.1	

**IDC 02 00:46:13.4 ± 1.6, 11°02'S, 165°37'E, h0km, mb3.8/5, mb1 4.1/6, mb1mx3.7/4.9, mbtmp3.9/6, ML4.3/1, Error ellipse: s-maj=49.2km s-min=27.4km az=136.0, Santa Cruz Islands**

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				Op	h m s	ISC
DZM	Mont Dzumac	11.04 175	Pn	Pn	00 46 52.5 -0.2	
CTA	Charters Tower	20.48 242	P	P	00 50 54.7 -0.5	
WRA	Warramunga Arr	31.14 250	P	P	00 52 33.5 -0.7	
ASAR	Alice Springs	32.47 243	P	P	00 52 45.4 -0.5	
FITZ	Fitzroy Crossi	39.03 255	P	P	00 53 42.3 +0.1	
ILAR	Eielson Array	83.61 19 P	P	P	00 58 43.8 +0.4	
ARCES	ARCES Array B 116.22 345	PKIPK			01 04 57.7 -0.7	

BUI 02 01:15:43.8, 11°74'S, 165°18'E, h23km, mb5.3/18, mb4.8/36, MS5.2/12, Ms7 4.9/12  
 IDC 02 01:15:44.0 ± 0.5, 11°12'S, 165°48'E, h0km, mb4.6/21, mb1 4.7/23, mb1mx4.6/4.5, mbtmp4.6/23, ML5.0/2, MS4.5/1, Ms1 4.5/1, ms1mx3.5/32, Error ellipse: s-maj=16.3km s-min=13.9km az=124.0  
 NEIC 02 01:15:47.1 ± 2.0, 11°13'S, 165°42'E, h14km, ±12km, mb5.0/92,

**Error ellipse: s-maj=3.5km s-min=3.0km az=191.0, ISCJB 02 01:15:48.1 ± 0.1, 11°22'S, 0°13'165.36E, 0°03, h30km, mb4.1/20, Error ellipse: s-maj=4.6km s-min=3.7km az=142.8**

**MOS 02 01:15:48.5 ± 1.0, 11°12'S, 165°32'E, h33km, mb4.9/41, Error ellipse: s-maj=10.1km s-min=8.7km az=157.1, ISC 02 01:15:49.6 ± 0.3, 11°25'S, 0°05'165.50E, 0°06, h30km, n298, ±127/307, mb4.9/20, 1C-1D, Santa Cruz Islands**

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				Op	h m s	ISC
HNR	Honiara	5.75 288	ePn	Pn	01 17 10.1 -2.9	
HNR	Honiara	5.75 288	ePn	Pn	01 17 10.1 -2.9	
HNR	Honiara	5.75 288	ePn	Pn	01 17 12.7 -0.4	
HNR	Honiara		eS	Pn	01 18 15.8 -2.3	
MARNC	Mare, Loyalty	10.46 167	ePn	Pn	01 18 17.8 +0.2	
DZM	Mont Dzumac	10.80 175	ePn	Pn	01 18 23.0 +0.6	
DZM	Mont Dzumac		eS	Pn	01 20 19.5 -2.9	
DZM	Mont Dzumac		eS	Pn	01 18 23.4 +1.0	
PINNC	Pines Island	11.45 171	ePn	Pn	01 18 32.0 +0.8	
MUSV	Mout Isa	13.75 119	iP	Pn	01 19 18.0 +2.1	
EIDS	Eidsvold	19.59 222	eP	Pn	01 20 17.6 +0.8	
EIDS	Eidsvold		eP	Pn	01 20 15.4 0.0	
MANU	Manus Island	20.18 296	eP	Pn	01 20 20.6 -1.4	
CTA	Charters Tower	20.49 242	P	Pn	01 20 26.4 -1.2	
CTA	Charters Tower		eP	Pn	01 20 25.2 -0.1	
MTSU	Mount Surprise	21.59 249	P	P	01 20 39.2 +2.0	
ARMA	Armidale	21.88 224	P	P	01 20 42.1 +1.8	
COEN	Coen	21.95 261	P	P	01 20 41.4 +0.3	
COEN	Coen		eP	Pn	01 20 40.5 -0.6	
ARMA	Armidale	23.02 212	P	P	01 20 53.6 +1.2	
ARMA	Armidale		eP	Pn	01 20 52.8 +0.4	
OUZ	Omahutu	24.97 164	eP	Pn	01 21 12.7 +2.1	
QLP	Quilpie	25.18 230	P	P	01 21 13.5 +0.8	
QIS	Mount Isa	26.53 246	P	P	01 21 25.1 +0.1	
HIZ	Haiti	28.41 164	eP	Pn	01 21 43.5 +1.9	
URZ	Urewera	28.84 161	P	P	01 21 46.4 +1.5	
BKZ	Black Stump Fm	29.48 162	eP	Pn	01 21 52.1 +1.0	
H1S2	WAKE ISLAND Hy 29.57	2 T	T	T	01 52 33.4	
H1S3	WAKE ISLAND Hy 29.58	2 T	T	T	01 52 36.5	
H1S1	WAKE ISLAND Hy 29.59	2 T	T	T	01 52 18.7	
STKA	Stevens Creek	30.13 223	P	P	01 21 57.8 +0.9	
STKA	Stevens Creek		eP	Pn	01 21 57.0 +0.1	
STKA	Stevens Creek		eP	Pn	01 21 57.9 +0.9	
STKA	Stevens Creek		eP	Pn	01 21 56.8 -0.1	
H1N1	WAKE ISLAND Hy 30.80	3 T	T	T	01 54 13.3	
H1N3	WAKE ISLAND Hy 30.80	3 T	T	T	01 54 12.2	
BFZ	Birch Farm	30.81 164	eP	Pn	01 22 02.5 -0.3	
H1N2	WAKE ISLAND Hy 30.81	3 T	T	T	01 54 15.0	
THZ	Topohia	31.08 169	eP	Pn	01 22 06.2 +1.0	
WRAB	Tennant Creek	31.18 250	eP	Pn	01 22 05.9 -0.4	
WRAB	Tennant Creek		iP	Pn	01 22 05.4 -0.9	
WRAB	Tennant Creek		pmax	pmax		
WB2	Warramunga Arr	31.18 250	eP	Pn	01 22 04.9 -1.4	
WR1	Warramunga Arr	31.19 250	eP	Pn	01 22 05.1 -1.3	
WR1	Warramunga Arr		ePcP	PcP	01 25 01.5 +0.5	
WRA	Warramunga Arr	31.19 250	P	P	01 22 05.1 -1.3	
WRA	Warramunga Arr		ePcP	PcP	01 25 01.5 +0.5	
WRA	Warramunga Arr		LR	LR	01 34 29.5	
TOO	Toolangi	31.77 211	eP	Pn	01 22 13.0 +1.6	
TOO	Toolangi		eP	Pn	01 22 12.1 +0.7	
TOO	Toolangi		eP	Pn	01 22 12.1 +0.7	
TOO	Toolangi		eP	Pn	01 22 12.1 +0.7	
TOO	Toolangi		eP	Pn	01 22 12.1 +0.7	
KHZ	Kahutara	31.83 169	eP	Pn	01 22 12.6 +0.8	
LTZ	Lake Taylor	31.96 171	eP	Pn	01 22 14.0 +1.0	
KDU	Kakadu	32.33 264	P	P	01 22 14.9 -1.6	
FOZ	Fox Glacier	32.38 174	eP	Pn	01 22 17.7 +1.1	
AS01	Alice Springs	32.45 243	eP	Pn	01 22 16.1 -1.4	
OXZ	Oxtord	32.46 171	eP	Pn	01 22 18.0 +0.8	
AS31	Alice Springs	32.48 243	eP	Pn	01 22	

2d 1h

Table with columns: CMB, Columbia Colle, 84.66, 50, eP, P, 01 28 20.9 +0.1, etc. Lists various stations and their associated data.

2015 FEB

Table with columns: U15A, North Rim, 90.42, 53, eP, P, 01 28 48.7 -0.2, etc. Lists various stations and their associated data.

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Table with columns: DBIC, e, 01 37 07.5, etc. Lists various stations and their associated data.



OSPA	South Pole Qui	82.95	180	P	P	01 31 57.2	+1.3
OBN	Obninsk	83.89	327	eP		01 32 00.4	-0.3
OBN						01 35 10.5	
OBN	comp=Z,26nm,1.7s						
MANT	Manisa	84.15	310	eP		01 32 02.7	0.0
KARP	Karpathos	84.57	307	eP		01 32 05.0	+0.3
KLMR	Klimovskoe	84.69	333	eP		01 32 04.6	0.0
KLMR							
KLMA	Klimovskoe	84.69	333	eP		01 32 04.6	0.0
KLMR						01 32 07.9	
TIRR	Tirpusor	85.69	316	iP		01 32 11.3	+1.3
TLB	Topalci	85.97	316	iP		01 32 12.7	+1.3
BILL	Bilbino	86.05	19	eP		01 32 10.5	-0.8
BILL	Bilbino	86.05	19	eP		01 32 08.3	-3.0
BILL						01 35 27.1	
BILL	comp=Z,24nm,3.5s						
CFR	Caracul	86.05	316	iP		01 32 12.5	+0.7
LEOM	Leova	86.29	318	iP		01 32 14.5	+1.6
AKOS	Malin Array Be	86.73	322	eP		01 32 14.5	-0.5
AKAB	Malin Array Si	86.73	322	eP		01 32 15.3	+0.4
KIEV	Kiev	86.74	322	eP		01 32 15.1	+0.1
KIEV	Kiev	86.74	322	iP		01 32 15.1	+0.1
KIEV	Kiev	86.74	322	iP		01 32 14.1	-0.9
VRI	Vrincioaia	87.18	317	iP		01 32 19.3	+2.0
PLOR	Plostinia	87.23	317	iP		01 32 19.2	+1.6
MLR	Muntele Rosu	87.63	316	eP		01 32 19.9	+0.3
MLR	Muntele Rosu	87.63	316	iP		01 32 21.3	+1.6
MLR	Muntele Rosu	87.63	316	eP		01 32 19.9	+0.3
MLR							
BIZ	Bizac	87.83	318	iP		01 32 22.0	+1.6
PRAR	RASCA	87.84	318	iP		01 32 21.8	+1.3
HUMR	Humele	88.10	315	iP		01 32 23.1	+1.4
MTUR	Matau	88.18	316	iP		01 32 22.4	+0.2
VOIR	Vladia	88.23	316	iP		01 32 23.2	+0.7
VLAD	Vladia	88.40	315	iP		01 32 24.9	+1.9
ARR	Arges	88.51	318	iP		01 32 24.9	+1.2
BURAR	Bucovina Array	88.57	318	iP		01 32 26.1	+2.1
BUR04	Bucovina Ar. S	88.57	318	eP		01 32 24.9	+0.8
BUR08	Bucovina Ar. S	88.59	318	eP		01 32 24.5	+0.3
VTS	Vitoshia	88.97	313	eP		01 32 26.6	+0.5
VTS	Vitoshia	88.97	313	iP		01 32 27.5	+1.4
AGG	Agios Georgios	89.02	309	eP		01 32 26.5	+0.2
AGG	Agios Georgios	89.02	309	eP		01 32 26.5	+0.2
AGG							
ARCR	ARCALIA	89.04	318	iP		01 32 28.0	+1.9
LIT	Litokhoron	89.08	310	eP		01 32 27.1	+0.6
LIT	Litokhoron	89.08	310	eP		01 32 27.1	+0.6
PUNG	Pungghina	89.49	315	iP		01 32 29.6	+1.3
GZR	Gura Ziata	89.80	319	iP		01 32 31.9	+2.1
VSU	Vesula	90.05	329	eP		01 32 30.6	+0.1
DRGR	DRGR	90.09	317	iP		01 32 31.5	+0.4
MDVR	Moldovita	90.44	315	iP		01 32 31.9	+1.5
BZS	Buzia	90.64	316	iP		01 32 34.9	+1.3
FX10	FINESS Array S	91.05	332	eP		01 32 35.6	+0.5
FX10	FINESS Array S	91.05	332	eP		01 32 35.6	+0.5
FINES	FINESS Array B	91.05	332	eP		01 32 35.6	+0.5
FINES							
FINES	FINESS Array B	91.05	332	eP		01 32 35.6	+0.5
SUW	Suwalki	91.08	324	eP		01 32 35.8	+0.4
SUW	Suwalki	91.08	324	eP		01 32 35.8	+0.4
SUW							
MORH	Mrgy, Hungar	92.78	316	iP		01 32 46.0	+2.5
ARA0	ARCESS Array S	93.02	340	eP		01 32 43.9	-0.3
ARCES	ARCE02 340	93.02	340	eP		01 32 43.9	-0.3
GERES	GERESS Array B	96.36	318	eP		01 33 00.2	+0.2
KHC	Kasperske Hory	96.45	319	eP		01 32 57.0	-3.3
KHC	Kasperske Hory	96.45	319	eP		01 32 57.0	-3.3
NOA	NORSAR Array B	98.14	331	LR	LR	02 22 42.8	
YKA	Yellowknife Ar	117.45	20	ePKP	P	01 38 15.9	-0.2
YKBS	Yellowknife Ar	117.45	20	ePKP	P	01 38 16.0	-0.2
BO5A	Bryant	122.60	36	P	PKP	01 38 27.2	+0.5
I03D	Drain, OR	123.96	41	P	PKIKP	01 38 30.5	+1.0
H04D	Lebanon	123.99	40	P	PKIKP	01 38 30.4	+0.8
I02D	Williamette Mer	124.48	41	P	PKIKP	01 38 30.5	+1.0
K04A	Tender Farm,	124.53	41	P	PKIKP	01 38 31.7	+0.9
HUMO	Hull Mountain	124.69	42	ePKP	P	01 38 31.0	-0.1
I05D	Terrebonne, OR	124.96	40	P	PKIKP	01 38 32.4	+0.8
J04D	Umpqua Nationa	124.97	41	P	PKIKP	01 38 32.9	+1.0
M02C	Callahan	125.28	43	P	PKIKP	01 38 32.7	+0.3
L04D	Klamath Falls	125.30	42	P	PKIKP	01 38 33.0	+0.6
NEW	Newport	125.42	34	P	PKIKP	01 38 32.6	+0.3
PINE	Pine Mountain	125.47	40	ePKP	P	01 38 33.1	+0.2
J05D	Fort Rock, OR	125.52	41	P	PKIKP	01 38 34.1	+1.3
N02D	Trinity Center	125.56	44	P	PKIKP	01 38 33.8	+0.8
M04C	Macdoel	125.80	43	P	PKIKP	01 38 34.1	+0.6
O02D	Mt. Diablo Mer	125.83	45	P	PKIKP	01 38 34.4	+0.9
O03E	Paynes Creek	126.47	44	P	PKIKP	01 38 35.3	+0.5
WVOR	Wild Horse Val	127.61	40	ePKP	P	01 38 36.5	0.0
WVOR	Wild Horse Val	127.61	40	ePKP	P	01 38 36.5	0.0
M50	Missoula	128.00	34	P	PKIKP	01 38 38.2	+0.5
EGMT	Eagleton	129.43	30	P	PKIKP	01 38 41.0	+0.5
HLID	Hailey	129.46	37	P	PKIKP	01 38 41.3	+0.2
NVAR	Mina Array Bea	129.72	45	PKP	PKIKP	01 38 41.2	-0.4
NO1	Mina Array Sit	129.72	45	PKP	PKIKP	01 38 41.2	-0.4
BOZ	Bozeman W	130.03	34	ePKP	P	01 38 41.5	-0.3
BOZ	Bozeman W	130.03	34	ePKP	P	01 38 41.5	-0.3
MPMC	Manual Prospec	131.36	47	P	PKIKP	01 38 45.4	+0.6
DUG	Dugway, Tooele	132.51	40	ePKP	P	01 38 46.2	+0.3
DUG	Dugway, Tooele	132.51	40	ePKP	P	01 38 46.2	+0.3
TUQ	Turquoise Moun	132.77	47	P	PKIKP	01 38 47.4	-0.3
BW06	Boulder Array	132.96	35	P	PKIKP	01 38 47.8	-0.2
PD31	Pinedale Array	132.96	35	ePKP	P	01 38 47.3	+0.5
PDAR	Pinedale Array	132.96	35	ePKP	P	01 38 48.4	+0.4
GLA	Glamis	134.64	50	P	PKIKP	01 38 51.1	-0.3
GLA	Glamis	134.64	50	P	PKIKP	01 38 51.8	+0.4
U15A	North Rim	134.87	44	ePKP	P	01 38 51.6	-0.5

RSSD	Black Hills	135.00	30	ePKP	P	01 38 51.1	+0.6
RSSD	Black Hills	135.00	30	ePKP	P	01 38 51.1	+0.6
RSSD	Black Hills	135.00	30	ePKP	P	01 38 52.4	+0.4
O20A	White River Ci	135.38	37	ePKP	P	01 38 52.3	-0.6
O20A	White River Ci	135.38	37	ePKP	P	01 38 52.8	-0.1
C40A	Isle Royale Na	137.43	14	P	PKIKP	01 38 57.1	+0.5
LSQQ	Lebanon-saur-Quev	138.08	2	P	PKIKP	01 38 57.9	+0.1
ECSD	EROS Data Cent	138.68	24	P	PKIKP	01 38 59.1	-0.1
F39A	Loretta	138.78	17	P	PKIKP	01 38 59.3	-0.1
E43A	Lone Tree Farm	139.38	13	P	PKIKP	01 39 01.1	+0.5
ANMO	Albuquerque	139.65	42	ePKP	P	01 39 00.2	+0.8
ANMO	Albuquerque	139.65	42	ePKP	P	01 39 00.2	+0.8
ANMO	Albuquerque	139.65	42	ePKP	P	01 39 01.7	-0.1
D54A	Lac Fusel, La	140.00	2	P	PKIKP	01 39 03.0	+1.1
D52A	ZEK Kipawa Sen	140.08	4	P	PKIKP	01 39 02.8	+0.8
H40A	Chili	140.12	18	P	PKIKP	01 39 02.9	+0.7
E48A	Lockeyer	140.17	8	P	PKIKP	01 39 02.7	+0.5
E51A	G1948 Merrick	140.43	5	P	PKIKP	01 39 02.7	0.0
ALGO	Algonquin Park Si	141.12	4	P	PKIKP	01 39 04.4	+0.3
GLMI	Grayling	141.37	11	P	PKIKP	01 39 04.7	0.0
I43A	Langenfeld Bro	141.43	16	P	PKIKP	01 39 06.1	+1.3
BUKO	Bu Lake	141.52	5	P	PKIKP	01 39 06.0	+1.0
ALFO	Alfred	141.56	0	P	PKIKP	01 39 05.5	+0.5
L40A	Anamosa	142.14	20	P	PKIKP	01 39 07.0	+0.7
MNTX	Cornudas Mount	142.25	45	ePKP	P	01 39 04.0	+0.1
CPUP	Villa Florida	142.83	206	ePKP	P	01 39 03.6	
LCO	Las Campanas	143.96	186	ePKP	P	01 39 07.4	0.0
O41A	Passleys Farm,	143.98	21	P	PKP	01 39 04.8	+0.2
HDL	Hopedale	144.14	19	P	PKP	01 39 05.7	+0.6
L49A	Milan	144.15	12	P	PKP	01 39 05.9	+0.8
L48A	N Adams	144.17	13	P	PKP	01 39 05.7	+0.6
P41A	North Mounta	144.30	22	P	PKP	01 39 06.0	+0.4
O43A	Sugar Creek Fa	144.38	19	P	PKP	01 39 06.4	+0.6
L50A	Kingsville	144.39	11	P	PKP	01 39 06.6	-0.7
N45A	Kentland	144.42	17	P	PKP	01 39 06.3	+0.4
M47A	Cromwell	144.45	14	P	PKP	01 39 06.3	+0.2
M48A	Egerton	144.54	13	P	PKP	01 39 06.8	+0.5
WMOK	Wichita Mounta	144.57	36	ePKP	P	01 39 07.0	+0.3
WMOK	Wichita Mounta	144.57	36	ePKP	P	01 39 07.0	+0.3
WMOK	Wichita Mounta	144.57	36	ePKP	P	01 39 06.6	-0.1
HRV	Adam Dzewiosk	144.58	356	P	PKP	01 39 06.9	+0.6
N46A	Monticello	144.59	16	P	PKP	01 39 07.0	+0.5
P42A	Winchester	144.65	21	ePKP	P	01 39 06.4	-0.2
P42A	Winchester	144.65	21	ePKP	P	01 39 06.5	0.0
O44A	Matfield	144.77	19	P	PKP	01 39 06	

U47A	Clarksville	148.53	20	P	PKPbc	01 39 18.8 +0.7
Y41A	Eagleette Beard	148.53	29	P	PKIKP	01 39 18.9 -0.8
WVT	Waverly	148.62	21	ePKPbc	PKPbc	01 39 18.7 +0.4
WVT	Waverly	148.62	21	ePKPbc	PKPbc	01 39 18.7 +0.4
WVT	Waverly	148.62	21	P	PKPbc	01 39 18.8 +0.4
U48A	Cassie Pea, Po	148.71	19	P	PKPbc	01 39 19.0 +0.4
50A	Nancy	148.74	16	P	PKPbc	01 39 19.0 +0.3
V46A	Holladay	148.81	22	P	PKPbc	01 39 18.7 -0.2
U49A	Red Boiling Sp	148.94	18	P	PKPbc	01 39 19.2 0.0
W45A	Hickory Valley	148.97	24	P	PKIKP	01 39 20.0 -0.6
V47A	Nunnely	149.00	21	P	PKPbc	01 39 19.9 +0.5
T51A	Gray	149.02	15	P	PKIKP	01 39 20.0 -0.7
R58B	Mineral	149.07	5	P	PKPbc	01 39 19.9 +0.4
T52A	Hallie	149.11	13	P	PKPbc	01 39 19.8 +0.2
U50A	Jamesstoun	149.30	16	P	PKIKP	01 39 20.9 -0.4
V48A	Smith Brothers	149.32	20	P	PKIKP	01 39 20.8 -0.6
T53A	Wise	149.33	12	P	PKIKP	01 39 21.0 -0.4
OXF	Oxford	149.44	25	P	PKPbc	01 39 21.0 +0.5
T54A	Tazewell	149.45	11	P	PKPbc	01 39 20.8 +0.3
W47A	Westpoint	149.49	21	P	PKPbc	01 39 20.8 +0.2
BLA	Blacksburg	149.51	9	P	PKIKP	01 39 21.4 -0.4
TZTN	Tazewell	149.52	14	P	PKPbc	01 39 20.9 +0.3
X45A	UM Field Stati	149.53	25	P	PKPbc	01 39 21.1 +0.4
U51A	La Follette	149.56	15	P	PKPbc	01 39 21.1 +0.3
U52A	Thorn Hill	149.71	14	P	PKPbc	01 39 21.4 +0.2
W48A	Pulaski	149.83	20	P	PKPbc	01 39 21.1 -0.3
U53A	Fall Branch	149.92	13	P	PKPbc	01 39 21.0 -0.7
V50A	Pikeville	149.92	17	P	PKPbc	01 39 21.8 +0.1
Y45A	Yeager Farm, C	149.94	25	P	PKPbc	01 39 21.5 -0.2
V51A	Loudon	150.01	16	P	PKPbc	01 39 21.7 -0.1
X47A	Russellville	150.05	22	P	PKPbc	01 39 21.8 -0.2
W49A	Belvidere	150.07	19	P	PKPbc	01 39 21.7 -0.3
V52A	Sevierville	150.18	15	ePKPbc	PKIKP	01 39 22.8 -0.3
V52A	Sevierville	150.18	15	P	PKIKP	01 39 22.9 -0.2
Y46A	Houston	150.22	24	P	PKPbc	01 39 22.7 +0.3
CPCT	Cooper Cave	150.30	16	ePKPbc	PKIKP	01 39 23.2 -0.1
LNIG	Linars	150.33	50	ePKPbc	PKIKP	01 39 23.4 -0.3
X48A	Hartselle	150.41	21	ePKPbc	PKPbc	01 39 22.9 +0.1
W51A	Cleveland	150.50	17	P	PKIKP	01 39 23.6 -0.2
V53A	Saluda	150.53	14	ePKPbc	PKIKP	01 39 24.0 +0.1
V53A	Saluda	150.53	14	P	PKIKP	01 39 23.6 -0.3
X49A	Woodville	150.60	20	P	PKIKP	01 39 24.0 0.0
Y48A	Jasper	150.84	22	P	PKPbc	01 39 23.6 -0.3
X50B	Fort Payne	150.87	19	P	PKIKP	01 39 23.7 0.0
VBMS	Vicksburg	150.90	29	P	PKIKP	01 39 25.3 +0.6
W53A	Cullowhee	150.92	15	P	PKIKP	01 39 25.2 +0.4
X51A	Calhoun	151.02	18	P	PKIKP	01 39 25.7 +0.8
BG3	Lake Jocassee	151.15	14	ePKPbc	PKIKP	01 39 25.7 +0.5
Y49A	Blount Mountain	151.17	21	ePKPbc	PKIKP	01 39 25.2 0.0
Y49A	Blount Mountain	151.17	21	P	PKIKP	01 39 25.7 +0.5
Z48A	Northport	151.18	23	P	PKIKP	01 39 25.6 +0.4
X52A	Dahlonega	151.27	16	P	PKIKP	01 39 26.1 +0.6
KMSC	Kings Mountain	151.36	12	ePKPbc	PKIKP	01 39 25.7 +0.1
KMSC	Kings Mountain	151.36	12	P	PKIKP	01 39 26.3 +0.7
Y50A	Piedmont	151.37	20	P	PKIKP	01 39 26.3 +0.7
147A	Livingston	151.51	25	P	PKIKP	01 39 26.7 +0.8
X53A	Estanolee	151.52	15	P	PKIKP	01 39 26.8 +0.9
Y51A	Rockmart	151.58	18	P	PKIKP	01 39 26.8 +0.7
Z49A	Columbiana	151.72	21	P	PKIKP	01 39 26.9 +0.5
CNNC	Cliffs of the	151.78	6	P	PKIKP	01 39 27.3 +0.9
148A	Greensboro	151.81	24	P	PKIKP	01 39 27.3 +0.7
Z50A	Ashland	151.88	20	ePKPbc	PKIKP	01 39 26.8 +0.1
Y52A	Liburn	151.91	17	P	PKIKP	01 39 27.6 +0.9
Y53A	Monroe	152.06	16	P	PKIKP	01 39 27.7 +0.7
Z51A	Franklin	152.08	19	P	PKIKP	01 39 27.8 +0.7
149A	Jones	152.16	22	P	PKIKP	01 39 28.0 +0.7
Y54A	Tignall	152.28	15	P	PKIKP	01 39 28.5 +1.0
150A	Eclectic	152.44	21	P	PKIKP	01 39 28.4 +0.6
Z52A	Williamson	152.44	18	P	PKIKP	01 39 28.5 +0.7
GOGA	Godfrey	152.51	16	P	PKIKP	01 39 29.2 +1.2
Z49A	Camden	152.59	24	P	PKIKP	01 39 29.2 +1.1
Z51A	Monticello	152.60	16	P	PKIKP	01 39 29.3 +1.2
151A	Opelika	152.75	20	P	PKIKP	01 39 29.6 +1.0
152A	Waverly Hall	152.82	19	P	PKIKP	01 39 29.7 +1.0
Z54A	Sparta	152.84	15	P	PKIKP	01 39 29.7 +1.0
250A	Grady	152.91	22	P	PKIKP	01 39 29.3 +0.5
251A	Midway	153.12	21	P	PKIKP	01 39 30.4 +1.2
451A	Vernon	154.23	23	P	PKPbc	01 39 31.3 -0.5
257A	Skidaway Islan	154.48	13	P	PKPbc	01 39 31.5 -0.6

M=1.43800x10<sup>17</sup> NP1=1.38.00000° δ61.00000°, 1.91.00000° NP2=317.00000° δ29.00000°, 1.89.00000°  
Principal axes: T 1.6340, Plg74.0000°, Azm49.0000°; N -0.3960, Plg0.0000°, Azm318.0000°; P -1.2420, Plg16.0000°, Azm228.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.  
Triangular moment-rate function  
ISC 02:01:20:40.4,0.4,0.10.885E-0.06.165.43E+0.07,h30km,n216,  
c0r5=207,mb4.8/100,MS4.6/4,Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase	ID	ISC	Time	Res
							h m s	s
HNR	Honiara	5.58	284	ePn	Pn	01 21 58.7	-2.9	
HNR	Honiara	5.58	284	Pn	Pn	01 22 00.6	-1.0	
HNR	9.7nm,0.3s,baz=89,slow=4.0,SNR=5.8							
HNR	9.7nm,0.3s,baz=195,slow=20,SNR=2.1					01 23 06.2	+1.4	
HNR	1.9nm,1.1s					01 24 21.3		
DZM	Mont Dzumac	11.17	175	ePn	Pn	01 23 18.9	+0.7	
DZM	Mont Dzumac	11.17	175	ePn	Pn	01 23 18.9	+0.7	
DZM	Mont Dzumac	11.17	175	Pn	Pn	01 23 17.8	-0.5	
DZM	0.0nm,0.3s,baz=81,slow=16,SNR=12					01 25 17.9	-4.2	
DZM	0.1nm,0.3s,baz=311,slow=18,SNR=2.1							
PINVC	Pines Island,	11.82	171	ePn	Pn	01 23 27.4	+0.4	
MSFV	Nonsavu	13.99	121	ePn	Pn	01 24 07.3	+2.8	
TARA	Tarawa	14.26	32	ePn	Pn	01 23 58.3	-2.2	
EIDS	Eidsvold	19.81	221	ePn	Pn	01 25 08.3	-0.4	
CTA	Charters Tower	20.60	241	P	P	01 25 18.1	+0.8	
CTAO	Charters Tower	20.60	241	eP	P	01 25 17.3	-0.1	
COEN	Coen	21.94	260	eP	P	01 25 29.4	-2.4	
URZ	Urevera	29.20	161	P	P	01 26 39.9	+0.6	
H11S2	WAKE ISLAND Hy 29.22	2	T	T		01 57 15.1		
H11S3	WAKE ISLAND Hy 29.22	2	T	T		01 57 17.5		
H11S1	WAKE ISLAND Hy 29.23	2	T	T		01 57 15.0		
BKZ	Black Stump Fm	31.23	163	eP	P	01 26 46.1	+1.0	
STKA	Stephens Creek	30.34	223	eP	P	01 26 50.2	+0.6	
STKA	Stephens Creek	30.34	223	P	P	01 26 51.0	+1.4	
H11N1	WAKE ISLAND Hy 30.44	3	T	T		01 58 43.1		
H11N3	WAKE ISLAND Hy 30.44	3	T	T		01 58 44.5		
H11N2	WAKE ISLAND Hy 30.46	3	T	T		01 58 44.8		
WBZ	Warrungunga Arr	31.23	249	eP	P	01 26 56.0	-1.7	
WR1	Warrungunga Arr	31.25	249	eP	P	01 26 58.6	+0.9	
WRA	Warrungunga Arr	31.25	249	P	P	01 26 58.6	+0.9	
AS01	Alice Springs	32.55	243	eP	P	01 27 08.2	-1.0	
AS31	Alice Springs	32.59	243	eP	P	01 27 08.8	-0.7	
ASAR	Alice Springs	32.59	243	P	P	01 27 08.8	-0.7	
RPZ	Rata Peaks	33.07	173	P	P	01 27 14.5	+1.1	
HTT	Hallett	33.08	223	P	P	01 27 14.3	+0.6	
PPT	Papeete	44.04	104	LR	LR	01 42 51.7		
PPT2	Papeete	44.04	104	eLR	LR	01 41 07.2		
TBI	Tubuai	44.68	112	eLQ	LQ	01 39 32.7		
TBI	Tubuai	44.68	112	eLR	LR	01 41 24.6		
MORW	Morawa	49.43	241	eP	P	01 29 27.7	-0.2	
TAOE	Toku Hiva Isla	53.60	93	eLR	LR	01 45 38.4		
RKT	Rikitea	57.94	110	eLR	LR	01 47 33.4		
NJ2	Nanjing	61.69	316	eP	P	01 30 55.2	-0.7	
GYA	Guiyang	68.07	304	eP	P	01 31 38.2	+0.4	
XAN	Xi'an	69.78	312	P	P	01 31 56.2	+8.0	
XAN	Xi'an	69.78	312	P	P	01 31 56.2	+8.0	
KMI	Kunming	70.77	301	P	P	01 31 55.4	+0.7	
HHC	Hu-ho-hao-te	71.51	320	eP	P	01 32 00.7	+2.0	
HHC	Hu-ho-hao-te	71.51	320	eP	P	01 32 00.7	+2.0	
CMAR	Chiang Mai Arr	71.76	294	P	P	01 32 01.7	+1.2	
CD2	Chengdu	72.26	307	eP	P	01 32 02.5	-0.8	
LZH	Lanzhou	74.42	312	eP	P	01 32 18.5	+2.4	
LZH	Lanzhou	74.42	312	eP	P	01 32 18.1	-0.2	
LZH	Lanzhou	74.42	312	eP	P	01 32 31.3	+0.7	
GAMB	Gambell	76.47	10	eP	P	01 32 27.2	+0.2	
SONAO	Songino Array	78.35	324	eP	P	01 32 38.4	+0.3	
SONM	Songino Array	78.35	324	P	P	01 32 38.4	+0.3	
SONA1	Songino Array	78.35	324	eP	P	01 32 37.1	-1.0	
ANM	Nome	78.40	12	eP	P	01 32 36.9	-0.9	
BILL	Bilibino	78.72	0	eP	P	01 32 39.5	0.0	
GSPA	South Pole Qui	79.12	180	eP	P	01 32 42.5	+0.5	
MCCM	Marconi Center	82.65	49	eP	P	01 33 01.5	+0.3	
KCPM	Calito Cape	82.67	47	eP	P	01 33 01.5	0.0	
KMRM	Mail Ridge	82.77	47	eP	P	01 33 02.4	+0.5	
GDXM	Geysers	82.94	48	eP	P	01 33 03.1	+0.2	
KHMM	Horse Mountain	82.98	46	eP	P	01 33 03.3	+0.2	
MDM	Murphy Dome	83.17	18	eP	P	01 33 03.4	0.0	
HDA	Harding Lake	83.19	19	eP	P	01 33 03.5	+0.1	
HDA	Harding Lake	83.19	19	P	P	01 33 03.2	-0.2	
COLA	College	83.23	18	eP	P	01 33 03.0	-0.6	
O02D	Mt. Diablo Mer	83.41	47	P	P	01 33 05.7	+0.5	
ILAR	Eielson Array	83.46	19	P	P	01 33 04.8	0.0	
ILB	Eielson Array	83.46	19	P	P	01 33 04.8	0.0	
IL1	Eielson Array	83.46	19	P	P	01 33 03.7	-1.1	
L02E	Cave Junction	83.53	45	eP	P	01 33 06.1	+0.4	
K02D	Willamette Mer	83.68	45	eP	P	01 33 06.8	+0.2	
WDC	Whiskeytown Da	83.73	47	eP	P	01 33 06.9	+0.2	
N02Z	Trifur Center	83.75	46	eP	P	01 33 07.2	+0.3	
M02C	Callahan	83.79	46	eP	P	01 33 07.9	+0.8	
SCRK	Sand Creek	83.87	20	eP	P	01 33 07.2	+0.1	
SMCC	Simmler	83.93	52	P	P	01 33 08.3	+0.3	
PKM	Mepherston Peak	83.95	53	eP	P	01 33 08.8	+0.6	
YBH</								





Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TRVZ, WPHZ, WHVZ, DRZ, MRZ, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FOZ, LBZ, CTZ, DZM, VNSA, ASAR, WRA, WITZ, FITZ, QSPA, PMSA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 02 03:28, NEIC 02 03:28, ISCJB 02 03:28, etc.

HWA	Hwalien	0.44 301	↑P	Pn	03 40 01.5	-0.4	WNT	Mingjian	1.23 276	↑P	Pb	03 40 14.5	+0.3	NTST	baz=341	eS	Sb	03 40 36.8	-0.5	
HWA	baz=301		eS	Sn	03 40 08.6	-0.2	WNT	baz=276		S	Sb	03 40 30.2	+0.6	ECL	baz=341	1.51 221	↑P	Pn	03 40 15.6	-1.0
TWD	Chiawan	0.51 310	↑P	Pn	03 40 02.1	-0.6	CHNS	Tsaiing	1.24 263	↑P	Pb	03 40 14.3	0.0	RLNB	baz=219	1.52 276	↑P	Pb	03 40 18.6	-0.5
TWD	baz=314		iS	Sn	03 40 09.2	-1.3	CHNS	baz=263		S	Sb	03 40 30.1	+0.2	RLNB	baz=276		eS	Sb	03 40 38.2	+0.1
ESL	Shilin	0.54 277	↑P	Pb	03 40 02.3	-0.3	TWB1	Santiao Chiao	1.25 359	↑P	Pb	03 40 14.2	-0.4	TWY	Chenhua	1.56 346	↑P	Pb	03 40 18.9	-1.0
ESL	baz=272		S	Sb	03 40 09.5	-0.6	TWB1	baz=1.0		S	Sb	03 40 29.4	-0.9	WTCT	Ta-cheng	1.59 274	P	Pb	03 40 19.7	-0.6
EGFH	Guangfu	0.55 261	↑P	Pb	03 40 02.6	-0.1	TWGBT	Beinan	1.27 223	↑P	Pn	03 40 12.4	-0.9	WTCT	baz=274		S	Sb	03 40 40.1	+0.1
EGFH	baz=256		eS	Sn	03 40 10.8	-0.8	TWGBT	baz=232		eS	Sn	03 40 26.8	-2.5	WLGb	Puzi	1.60 261	↑P	Pb	03 40 19.5	-0.9
NACB	Ninganchiao	0.57 317	ePn	Pn	03 40 03.3	-0.4	TWG	Pinlang	1.27 223	ePn	Pn	03 40 12.5	-0.9	WLGb	baz=260		eS	Sb	03 40 39.6	-0.6
NACB	baz=317		eSn	Sb	03 40 10.4	-1.7	TWG	baz=232		eSn	Pn	03 40 28.4	-1.0	SSD	Sandimen	1.62 232	eP	Pn	03 40 18.5	+0.4
NACB	Ninganchiao	0.57 317	↑P	Pn	03 40 03.1	-0.6	TWG	Pinlang	1.27 223	↑P	Pn	03 40 12.4	-0.9	WMLT	Mailiao	1.65 272	eP	Pb	03 40 20.7	-0.5
NACB	baz=318		S	Sn	03 40 11.0	-1.2	TTN	Taitung	1.27 219	eP	Pn	03 40 13.4	0.0	WMLT	baz=272		eS	Sb	03 40 41.9	+0.3
HGSD	Ruisui	0.60 245	↑P	Pb	03 40 03.2	-0.4	TTN	baz=209		eS	Sn	03 40 28.1	-1.4	WSF	Szhu	1.65 266	eP	Pb	03 40 20.0	-1.3
HGSD	baz=243		S	Sb	03 40 11.4	-0.4	LIOB	Emei	1.28 314	↑P	Pb	03 40 15.3	+0.4	WSF	baz=266		eS	Sb	03 40 40.8	-0.9
EHY	Hungye	0.68 249	↑P	Pb	03 40 04.8	-0.2	LIOB	baz=316		S	Sb	03 40 30.7	-0.3	CHN3	Shinhua	1.66 246	↑P	Pb	03 40 21.3	-0.1
EHY	baz=263		S	Sb	03 40 14.1	-0.1	NSTT	Nanjuang	1.28 314	↑P	Pb	03 40 15.2	+0.3	CHN3	baz=246		S	Sb	03 40 43.5	+1.5
ENA	Nanau	0.72 339	↑P	Pn	03 40 05.7	0.0	NSTT	baz=315		S	Sb	03 40 30.6	-0.4	HATJ	Hateruma jima	1.66 79	↑P	Pn	03 40 19.4	+0.7
ENA	baz=335		S	Sn	03 40 15.5	-0.3	TWQ1	Liyutan	1.28 298	↑P	Pb	03 40 15.6	+0.5	HATJ	baz=219		S	Sn	03 40 39.7	+0.6
YULB	Yu-li	0.75 242	ePn	Pb	03 40 05.8	+0.3	TWQ1	baz=299		S	Sb	03 40 31.4	+0.2	IRIF	Iriomote-Funau	1.67 69	↑P	Pn	03 40 19.7	+0.9
YULB	baz=255		eSn	Sb	03 40 15.3	-0.7	TWA	Mucha	1.29 342	↑P	Pb	03 40 15.1	0.0	IRIF	baz=256		S	Sn	03 40 40.4	+1.1
YULB	baz=255		iS	Sb	03 40 15.5	-0.5	TWA	baz=334		S	Sb	03 40 31.6	+0.3	CHN8	Yiju	1.71 257	↑P	Pb	03 40 20.9	-1.4
TWF1	Yuli	0.77 239	↑P	Pb	03 40 05.9	-0.5	NHHD	Xindian Distri	1.29 340	↑P	Pb	03 40 15.0	-0.2	CHN8	baz=256		S	Sb	03 40 42.6	-0.7
TWF1	baz=252		S	Sb	03 40 16.5	-0.1	NHHD	baz=330		S	Sb	03 40 31.2	-0.1	MASBT	Mashibuluo	1.71 229	↑P	Pn	03 40 19.5	+0.1
WHF	Hehuan Shan	0.79 300	↑P	Pn	03 40 06.6	-0.5	TCU	Taichung	1.29 288	↑P	Pb	03 40 15.7	+0.6	MASBT	baz=225		eS	Sn	03 40 41.8	+1.6
WHF	baz=301		S	Sn	03 40 17.1	-1.1	TCU	baz=289		eS	Sb	03 40 32.4	+1.1	TAW	Tawu	1.73 217	eP	Pb	03 40 18.9	-0.8
EOS1	EOS1	0.80 7	↑P	Pn	03 40 07.6	+0.8	STYT	Tauyuan	1.30 243	↑P	Pn	03 40 14.3	+0.5	TWM1	Shoushan	1.73 238	↑P	Pb	03 40 25.2	-0.3
EOS1	baz=18		S	Sn	03 40 18.7	+0.9	STYT	baz=234		S	Sn	03 40 29.9	-0.3	TWM1	baz=237		eS	Sb	03 40 45.6	+1.5
VWDT	VWDT	0.80 270	↑P	Pn	03 40 06.9	0.0	TATO	Taipei	1.31 338	ePn	Pb	03 40 14.9	-0.6	EAST	Anshuo	1.74 219	eP	Pn	03 40 19.1	-0.7
VWDT	baz=271		S	Sn	03 40 17.2	-0.6	TATO	baz=340		eSn	Pb	03 40 31.4	-0.6	SGLT	Jiouru	1.74 234	↑P	Pb	03 40 23.2	+0.5
CHGB	Renai	0.83 292	↑P	Pn	03 40 07.3	-0.2	TATO	Taipei	1.31 338	↑P	Pb	03 40 15.3	-0.2	SGLT	baz=223		eP	Pb	03 40 45.6	+1.4
CHGB	baz=299		S	Sn	03 40 18.5	-0.3	TATO	baz=340		S	Sb	03 40 31.0	-1.0	LAY	Lan-yu	1.76 194	↑P	Pn	03 40 18.4	-1.7
TWC	Suao	0.87 350	↑P	Pb	03 40 08.5	+0.4	TATO	Taipei	1.31 338	P	Pb	03 40 15.5	0.0	SCLT	Jiali	1.77 251	↑P	Pb	03 40 22.2	-1.2
TWC	baz=353		S	Sn	03 40 20.3	+0.8	NSY	Sanyi	1.32 300	↑P	Pb	03 40 16.3	+0.5	SCLT	baz=251		eS	Sb	03 40 45.3	+0.1
CHKT	Chengkung	0.88 223	eP	Pn	03 40 06.8	-1.2	NSY	Wu-fen Shan	1.33 351	↑P	Pb	03 40 16.0	+0.1	TAI1	Yung-kang	1.79 247	eP	Pb	03 40 22.6	-1.0
CHKT	baz=212		eS	Sb	03 40 17.0	-2.7	NWF	baz=352		S	Sb	03 40 32.8	+0.1	TAI1	baz=260		eS	Sb	03 40 46.1	+0.4
NNSB	Datong	0.89 319	↑P	Pb	03 40 08.3	-0.2	WFSB	Wu-fen Shan	1.33 351	↑P	Pb	03 40 16.1	+0.2	SNJT	Kaohsiung City	1.84 238	eP	Pb	03 40 23.8	-0.7
NNSB	baz=321		S	Sn	03 40 19.5	-0.7	WFSB	baz=352		S	Sb	03 40 33.1	+0.6	PCYT	Pengchayiu	1.87 1	P	Pn	03 40 22.4	+0.9
NNS	Nan Shan	0.90 319	↑P	Pb	03 40 08.5	-0.2	WFK	Gulung	1.34 267	↑P	Pb	03 40 15.6	-0.3	SCZT	Fangliu	1.88 223	eP	Pn	03 40 22.2	+0.5
NNS	baz=313		S	Sn	03 40 20.6	+0.1	WFK	baz=267		S	Sb	03 40 33.0	+0.3	SCZT	baz=219		eS	Sn	03 40 45.0	+0.5
TWT	Tachien	0.92 303	↑P	Pb	03 40 09.2	+0.1	TPUB	Ta-pu	1.35 251	ePn	Pb	03 40 15.7	-0.5	JKRS	Kuro-shima	1.89 75	↑P	Pn	03 40 22.7	+0.9
TWT	baz=304		S	Sn	03 40 20.4	-0.5	TPUB	baz=241		eSn	Pb	03 40 31.9	+0.4	JKRS	baz=293		S	Sn	03 40 46.1	+1.5
TDCB	Techi	0.93 303	↑P	Pb	03 40 09.2	-0.1	TPUB	baz=241		S	Sb	03 40 32.6	-0.6	KAU	Kaohsiung	1.97 234	eP	Pb	03 40 26.0	-0.7
TDCB	baz=304		S	Sb	03 40 20.2	-1.1	WDLH	Douliu	1.36 268	eP	Pb	03 40 16.0	-0.3	JJI	Ishigaki jima	2.04 72	↑P	Pn	03 40 24.2	+0.3
NDT	Datong Townshi	0.96 332	↑P	Pb	03 40 09.6	-0.1	WDLH	baz=267		eS	Sb	03 40 33.9	+0.6	JJI	baz=293		S	Sn	03 40 48.1	-0.2
NDT	baz=333		S	Sn	03 40 22.2	+0.3	NMLH	Miaoli	1.37 305	↑P	Pb	03 40 16.8	+0.3	WLCH	Liuqiu	2.06 228	eP	Pb	03 40 27.5	-1.0
SSLB	Suanglung	0.97 272	ePn	Pb	03 40 09.2	-0.7	NMLH	baz=306		eS	Sb	03 40 34.3	+0.7	TWP	Hsiolituochiu	2.07 228	eP	Pb	03 40 27.4	-1.0
SSLB	baz=272		eSg	Sn	03 40 21.3	-0.9	CHN4	Tsaushan	1.37 253	↑P	Pb	03 40 16.3	-0.2	TWP	baz=227		eS	Sb	03 40 54.6	+0.9
SSLB	baz=272		eS	Sn	03 40 09.2	-0.7	CHN4	baz=253		eS	Sb	03 40 34.1	+0.5	HEN	Hengchun	2.10 214	eP	Pn	03 40 25.5	+0.7
ENTT	Nioudou	0.98 335	↑P	Pb	03 40 09.7	-0.2	WCHH	Zhanghua	1.38 284	↑P	Pb	03 40 16.7	+0.1	TSEB	Hengchuen, Pin	2.11 209	eP	Pn	03 40 24.5	-0.4
ENTT	baz=337		S	Sb	03 40 22.6	+0.1	WCHH	baz=284		eS	Sb	03 40 34.5	+0.7	TSEB	baz=210		eS	Sn	03 40 50.0	-0.1
TWE	Neicheng	1.02 342	↑P	Pb	03 40 10.6	0.0	WTP	Ta-pu	1.38 249	↑P	Pb	03 40 16.3	-0.5	TWKBT	Hengchun	2.12 212	eP	Pn	03 40 24.9	-0.1
TWE	baz=344		S	Sb	03 40 23.3	-0.3	WTP	baz=239		eS	Pb	03 40 33.5	-0.6	TWKBT	baz=211		eS	Sn	03 40 49.4	-0.9
SMLT	Sun Moon Lake	1.03 278	↑P	Pb	03 40 10.6	-0.3	PTSB	Yuanli	1.39 300	↑P	Pb	03 40 17.0	+0.2	TWK1	Hengchun	2.12 212	eP	Pn	03 40 25.1	+0.1
SMLT	baz=285		S	Sb	03 40 23.7	-0.4	PTSB	baz=301		eS	Sb	03 40 34.6	+0.5	TWK1	baz=211		eS	Sn	03 40 49.3	-1.0
ILA	Ilan	1.04 346	↑P	Pb	03 40 11.2	+0.2	WDJ	Dajia District	1.39 296	↑P	Pb	03 40 17.1	+0.2	WDGT	Dungji	2.22 258	↑P	Pn	03 40 27.4	+1.0
ILA	baz=349		iS	Sb	03 40 25.4	+1.2	WDJ	baz=296		eS	Sb	03 40 34.9	+0.6	WDGT	baz=257		S	Sn	03 40 52.8	0.0
WHYT	Xinyi Township	1.07 267	↑P	Pb	03 40 11.0	-0.5	SBCB	Hsinchu	1.40 318	↑P	Pb	03 40 17.2	+0.1	JISG	Ishigakijimahi	2.25 68	P	Pn	03 40 27.3	+0.5
WHYT	baz=267		eS	Sb	03 40 24.9	-0.2	SBCB	baz=319		S	Sb	03 40 35.7	+1.2	JISG	baz=252		S	Sn	03 40 53.1	0.6
TYC	Yuchr	1.07 278	↑P	Pb	03 40 11.1	-0.4	HSN	Hsinchu	1.42 318	↑P	Pb	03 40 17.4	+0.1	PHUB	P'eng-hu	2.25 264	↑P	Pn	03 40 28.0	+1.1
TYC	baz=286		S	Sn	03 40 24.3	-0.9	HSN	baz=321		S	Sb	03 40 36.1	+1.1	PHUB	baz=252		eS	Sn	03 40 52.8	-0.9
ELDTW	Lidau	1.08 239	↑P	Pn	03 40 10.1	-0.6	NCUH	Zhongli	1.43 328	↑P	Pb	03 40 17.3	-0.3	PNG	Penghu	2.27 266	↑P	Pn	03 40 28.1	+1.1
ELDTW	baz=237		eS	Sn	03 40 23.0	-1.8	NCUH	baz=329		S	Sb	03 40 35.6	+0.2	PNG	baz=253		eS	Sn	03 40 54.2	+0.2
YHNB	Yeheng	1.09 327	ePn	Pb	03 40 11.3	-0.5	NCU	National Centr	1.43 328	↑P	Pb	03 40 17.3	-0.3	VCHM	baz=253		eS	Sn	03 40 30.1	+0.7
YHNB	baz=329		eSn	Pb	03 40 11.5	-0.2	NCU	baz=329		S	Sb	03 40 35.6	+0.2	VCHM	Gimei	2.44 258	↑P	Pn	03 40 56.7	-1.5
YHNB	baz=329		eS	Sb	03 40 24.3	-1.3	CHN2	Minsihung	1.43 262	P	Pb	03 40 17.6	0.0	JTJ	Tarama	2.61 70	↑P	Pn	03 40 32.2	+0.5
EGS	baz=10.0		S	Sb	03 40 12.2	+0.4	CHN2	baz=261		S	Sb									





Table with columns: Station, Name, Frequency, Power, Azimuth, Elevation, etc. Includes stations like CFR, TIRR, MFTF, TLB, etc.

Table with columns: Station, Name, Frequency, Power, Azimuth, Elevation, etc. Includes stations like SUMG, YKA, YKB5, etc.

Table with columns: Station, Name, Frequency, Power, Azimuth, Elevation, etc. Includes stations like NVAR, TOA1, TOA1T, etc.

IDC 02:03:39.48, 6.0, 4.10, 92.5Sx165.42E, h0km, mb4.5/32, mb1 4.7/34, mb1mx4.6/56, mbtmp4.6/34, ML5.0/2, MS4.5/17, MS1 4.5/17, ms1mx4.2/46, Error ellipse: s-maj=14.5km s-min=12.0km az=119.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes stations like HNR, HNR, HNR, etc.

















2d 4h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like MSO Missoula, MPU Maple Canyon, 319A Douglas, etc.

2013 FEB

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like O20A White River Ci, GCOM Greycliff, GOA Goya, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like BRVK Borovoye, BRVK Kansas State U, EROS Data Cent, etc.



2d 5h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like H10S3 ASCENSION HYDR 7.54 177 T, H10S2 ASCENSION HYDR 7.55 177 T, DBIC Dimboko 12.95 52 Pn, etc.

IDC 02 04:37:12.4:1.8, 10.90S;165.27E, h0km, mb3.7/3, mb1 4.0/4, mb1mx3.7/29, mbtmp3.8/4, ML4.0/1, Error ellipse: s-maj=52.0km s-min=32.7km az=127.0, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac 11.16 174 Op, DZM 1.0nm, 0.3s, baz=324, slow=20, SNR=17, WRA Warrungama Arr 31.29 249 P, etc.

ISK 02 04:46:23.0, 37.81N;136.31E, h10km, ML2.0/5, DDA 02 04:46:24.2, 37.70N;136.28E, h6km, 3km, ML2.8, ISC 02 04:46:24.4:1.1, 37.75N;136.26E, h11km, 9km, n14, c0.98/23, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ANDN Andirin 0.18 159 Op, SAIM ADANA 0.27 327 I/S, KOZT Kozan 0.44 232 PG, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like BNN Bunyan 1.15 343 PN, KUZU Kuzuni 1.17 146 I/S, CUGUR Gurin SVAS 1.25 39 P, etc.

IDC 02 04:49:41.1:1.1, 7.40S;165.64E, h0km, mb3.9/3, mb1 4.1/4, mb1mx3.7/36, mbtmp3.9/4, ML3.8/1, Error ellipse: s-maj=54.1km s-min=30.1km az=128.0, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac 11.55 176 Pn, WRA Warrungama Arr 31.59 249 P, ASAR Alice Springs 32.95 242 P, etc.

IDC 02 04:53:47.4:0.7, 36.97N;141.29E, h0km, mb3.8/15, mb1 4.0/17, mb1mx4.0/37, mbtmp3.8/17, ML3.2/2, MS4.3/1, MS1 4.3/1, ms1mx3.4/43, Error ellipse: s-maj=18.9km s-min=17.1km az=126.0, JMA 02 04:53:48.4:1.0, 36.95N;141.45E, h21km, 6km, mb3.9/18, MS4.3/1, Error ellipse: s-maj=7.7km s-min=5.2km az=27.3, JMA 02 04:53:48.8:0.1, 36.94N;141.41E, h33km, 1km, M4.3, JMA Fell II J1, NEIC 02 04:53:52.3:2.8, 37.08N;141.29E, h30km, 20km, mb4.2/4, Error ellipse: s-maj=10.5km s-min=8.5km az=137.0, NEIC Recorded 12 JMA in Fukushima

ISC 02 04:53:48.9:1.7, 37.00N;140.04:136E, h11km, 9km, n62, c0.93/70, mb4.0/18, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ONAJ Iwakimizuishiy 0.46 283 P, ONAJ Kawauchi 0.53 313 P, JFJK Fukushimafuru 0.65 278 P, etc.

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Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ZAAO Zalesovo Array 41.91 312 eP, ZAA1 Zalesovo Array 41.91 312 eP, ZALV Zalesovo Beam 41.91 312 P, etc.

comp=Z, 438nm, 18.0s, baz=175, slow=42, 3.8nm, 0.9s

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like KURK Kurchatov 45.92 308 eP, ILAR Eielson Array 49.55 32 P, ILB Eielson Array 49.55 32 P, etc.

IDC 02 05:00:49.5:3.8, 29.02N;131.20E, h0km, mb3.5/2, mb1 3.5/5, mb1mx3.3/32, mbtmp3.5/5, ML2.9/3, Error ellipse: s-maj=71.8km s-min=39.2km az=126.0, ISJCJB 02 05:00:51.8:0.9, 28.98N;131.33E, h79km, 5km, M3.5, mb3.3/2, Error ellipse: s-maj=9.6km s-min=3.6km az=26.9, JMA 02 05:00:52.1:0.1, 28.99N;131.32E, h79km, 5km, M3.5, ISC 02 05:00:53.3:1.2, 28.95N;131.39E, h71km, n21, c2501/34, Southeast of Ryukyu Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like JZK Kikaishima 1.39 244 Op, JYAK Yakushimahirau 1.50 330 P, JYAK Minamitane 1.51 344 P, etc.

ISC/JB 02:05:10:02.8:0.2, 10.97N;102.62:22W, h11km, 3km, mb4.4/95, Error ellipse: s-maj=5.5km s-min=3.0km az=4.1, NEIC 02 05:10:03.6:0.3, 10.36N;102.19W, h112km, 9km, M4.4/83, MD3.3(7FN), MW3(3CFN), Error ellipse: s-maj=5.5km

CAR 02 05:10:03.3:0.0, 10.84N;62.18W, h92km, IDC 02 05:10:04.1:1.5, 11.09N;62.47W, h105km, 13km, mb3.7/12, mb1 3.9/15, mb1mx3.6/39, mbtmp4.0/15, Error ellipse: s-maj=15.3km s-min=11.3km az=123.0, TRN 02 05:10:04.9:1.0, 9.96N;62.20W, h91km, MD4.0, ISC 02 05:10:02.5:0.6, 10.89N;103.62:35W, h0.4, h95km, 6km, n245, c1973/316, mb4.4/95, 3C, Near coast of Venezuela

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ALNG Atlantic LNG 0.96 137 eP, ALNG Atlantic LNG 0.96 137 eP, ALNG Atlantic LNG 0.96 137 eP, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like GRSS Sisters 1.58 27 eP, GRSS Sisters 1.58 27 eP, BOT Bacolet 1.63 80 eP, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like RUSC La Rusia, SDDR Presa de Sabán, ZARC Zaragoza, Cauc, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PV09 Paradox Valley, SRU09 San Rafael Sve, DGMT Dagmar, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like CEDA San Andres, LBR5 Las Brisas, SNVI Santa Ana, etc.



YSS	comp=E,13nm,0.8s	16.08	0	ePn	Pn	06 30 12.2 -2.5		
YSS	comp=E,30nm,1.0s	16.08	0	eP	Pn	06 30 11.8 -2.9		
YSS	comp=E,40nm,1.1s			eS	Sn	06 30 11.0 -2.2		
YSS	comp=Z,70nm,1.1s						pmax	
YSS	comp=N,60um,1.1s						pmax	
YSS	comp=E,40nm,1.1s						pmax	
YSS	comp=Z,900nm,3.1s						pmax	
MDJ	Mudanjiang	17.20	327	P	Pn	06 30 27.0 -1.8		
MDJ				pP	pP	06 30 34.1 -0.5		
MDJ				sP	sP	06 30 38.4 +1.7		
MDJ				S	Sn	06 33 37.5 -1.9		
MDJ	comp=Z,31nm,1.0s						pmax	
MDJ	comp=Z,600nm,4.0s						pmax	
MDJ	comp=Z,990nm,4.4s						LR	LR
MDJ	comp=Z,760nm,4.3s						LR	LR
MDJ	comp=Z,580nm,4.0s						LR	LR
MDJ	Mudanjiang	17.20	327	ePn	Pn	06 30 27.9 -1.0		
SSE	Sheshan	18.48	276	eP	P	06 30 44.1 -0.4		
YOJ	Yonaguni jima	18.58	255	eP	Pn	06 30 45.9 -0.1		
YOJ	comp=Z,115nm,0.7s						pmax	
YOJ	Yonaguni jima	18.58	255	eP	Pn	06 30 45.9 -0.1		
CN2	Changchun	18.82	318	eP	Pn	06 30 48.5 -0.3		
CN2	comp=Z,20nm,0.9s						pmax	
SNY	Shenyang	18.88	311	↑P	Pn	06 30 49.3 -0.2		
SNY	comp=Z,44nm,0.7s						pmax	
YHNB	Yeheng	19.86	257	eP	P	06 30 59.0 -0.8		
NACB	Ninganchiao	19.88	256	eP	P	06 31 00.3 +0.4		
TYV	Tymovskoe	20.00	360	eP	P	06 31 00.3 -0.6		
TYV	comp=Z,400nm,3.7s						pmax	
TYV	comp=Z,21nm,1.2s						pmax	
KLR	Kul'dur	20.16	339	eP	Pn	06 31 03.5 -1.1		
KLR	Kul'dur	20.16	339	P	P	06 31 03.2 +0.5		
NJ2	Nanjing	20.40	280	eP	P	06 31 05.5 0.0		
NJ2	comp=Z,62nm,0.7s						pmax	
YULB	Yu-li	20.45	254	eP	P	06 31 05.8 -0.3		
SSLB	Suanglung	20.57	255	eP	Pn	06 31 08.7 -1.0		
TPUB	Ta-pu	21.05	254	eP	P	06 31 12.8 +0.2		
NKL	Nikolayevsk	22.34	357	eP	P	06 31 26.0 -0.1		
NKL	comp=N,16nm,0.9s						pmax	
NKL	comp=Z,49nm,0.9s						pmax	
BJT	Baijiatuu	23.43	300	eP	P	06 31 36.3 -1.3		
BJT	Baijiatuu	23.43	300	eP	P	06 31 36.3 -1.3		
BJI	Beijing	23.43	300	P	P	06 31 37.8 +0.2		
WHN	Wuhan	24.38	277	P	LR	06 31 44.8 -1.9		
H11N2	WAKE ISLAND Hy	24.44	111	T	T	06 57 00.3		
H11N1	WAKE ISLAND Hy	24.44	111	T	T	06 57 00.6		
H11N3	WAKE ISLAND Hy	24.46	111	T	T	06 57 01.5		
PETK	Petrovskovsk-	24.77	22	P	P	06 31 49.8 -0.2		
PEA1	Petrovskovsk-	24.78	22	eP	P	06 31 49.8 -0.3		
H11S3	WAKE ISLAND Hy	24.94	114	T	T	06 57 52.7		
H11S1	WAKE ISLAND Hy	24.94	114	T	T	06 57 56.9		
H11S2	WAKE ISLAND Hy	24.96	114	T	T	06 57 54.9		
PET	Petrovskovsk	25.01	231	eP	P	06 31 52.2 +0.1		
PET	comp=Z,21nm,1.6s						pmax	
HIA	Hailar	25.29	323	eP	P	06 31 55.8 +1.0		
HIA	Hailar	25.29	323	eP	P	06 31 55.2 +0.4		
ZEA	Zeya	25.47	338	eP	P	06 31 56.1 -0.2		
ZEA	comp=N,52nm,0.8s						pmax	
ZEA	comp=E,21nm,0.8s						pmax	
HHC	Hu-ho-hao-te	27.04	300	eP	P	06 32 11.3 +0.5		
HHC				sP	sP	06 32 20.8 +3.3		
HHC				sP	sP	06 32 25.8 +1.1		
HHC				S	S	06 36 40.0 -7.3		
HHC	comp=Z,19nm,0.8s						pmax	
HHC	comp=Z,180nm,4.6s						LR	LR
HHC	comp=Z,420nm,11.1s						LR	LR
HHC	comp=Z,300nm,11.4s						LR	LR
HHC	comp=Z,220nm,11.4s						LR	LR
ENH	Enshi	28.58	277	eP	P	06 32 23.5 -1.0		
XAN	Xi'an	28.64	285	eP	P	06 32 22.7 -2.4		
XAN	comp=Z,11nm,0.9s						pmax	
XAN	comp=Z,120nm,4.3s						pmax	
XAN	Xi'an	28.64	285	eP	P	06 32 24.4 -0.6		
XAN	comp=Z,17nm,0.8s						pmax	
XAN	Xi'an	28.64	285	eP	P	06 32 24.4 -0.6		
MA2	Magadan	29.24	8	eP	P	06 32 28.9 -1.1		
MA2	Magadan	29.24	8	P	P	06 32 29.9 -0.1		
GYA	Guiyang	31.86	271	eP	P	06 32 52.8 -1.0		
GYA	comp=Z,10.0nm,0.8s						pmax	
YAK	Yakutsk	32.33	349	eP	P	06 32 55.9 -1.4		
YAK				ePP	sP	06 33 05.5 +1.4		
YAK				eS	S	06 38 07.7 -1.9		
YAK				eSS	sS	06 38 19.5 +2.1		
YAK				eSS	SnSn	06 40 00.5 -1.8		
YAK				e	S	06 43 25.7		
YAK	comp=Z,106nm,0.9s						pmax	
YAK	comp=E,18nm,1.0s						pmax	
YAK	comp=N,42nm,1.1s						pmax	
YAK	comp=Z,507nm,3.8s						pmax	
YAK	comp=N,281nm,3.1s						pmax	
YAK	comp=N,435nm,3.8s						smax	smax
YAK	comp=N,732nm,4.5s						smax	smax
YAK	comp=E,659nm,4.3s						smax	smax

YAK	comp=Z,493nm,18.0s			MLR	MLR			
YAK	comp=N,215nm,18.0s						MLR	MLR
YAK	comp=E,522nm,16.0s						MLR	MLR
SONA1	Songino Array	32.45	312	eP	P	06 33 00.4 +1.7		
SONA0	Songino Array	32.45	312	eP	P	06 33 00.1 +1.3		
SONA0				ePcP	PcP	06 35 45.9 +0.4		
SONM	Songino Array	32.45	312	P	P	06 33 00.1 +1.3		
SONM	comp=E,15nm,0.7s,baz=122,slow=7.7,SNR=56						PcP	PcP
SONM	comp=E,1.0nm,0.5s,baz=112,slow=3.1,SNR=4.8						P	P
SONM	comp=E,315nm,18.9s,baz=354,slow=40						LR	LR
SEY	Seymchan	32.69	8	↑P	P	06 33 01.0 +0.6		
SEY	Seymchan	32.69	8	P	P	06 33 00.8 +0.4		
LZH	Lanzhou	32.71	290	eP	P	06 33 03.2 +2.1		
LZH				pP	pP	06 33 13.5 -1.7		
LZH				sP	sP	06 33 17.2 +9.4		
LZH	comp=E,26nm,1.2s						pmax	pmax
LZH	comp=E,320nm,13.7s						LR	LR
LZH	comp=E,540nm,14.0s						LR	LR
LZH	comp=E,500nm,14.6s						LR	LR
CD2	Chengdu	33.33	280	P	S	06 33 05.5 -1.0		
CD2				S	S	06 38 24.2 -1.9		
CD2	comp=E,20nm,0.5s						pmax	pmax
CD2	comp=E,120nm,4.8s						LR	LR
CD2	comp=E,900nm,12.4s						LR	LR
CD2	comp=E,390nm,11.4s						LR	LR
BOD	Bodaibo	33.42	332	eP	P	06 33 06.8 -0.1		
BOD	comp=Z,12nm,0.9s						pmax	pmax
FAKI	Fak Fak	35.04	198	eP	P	06 33 21.1 -0.2		
FAKI	comp=Z,11nm,0.8s						pmax	pmax
ZAK	Zakamensk	35.20	315	eP	P	06 33 23.4 +0.9		
ZAK	comp=Z,8.0nm,1.2s						pmax	pmax
TLY	Talaya	35.42	317	eP	P	06 33 25.8 +1.0		
TLY	comp=Z,26nm,1.0s						pmax	pmax
KMI	Kuning	35.64	271	eP	P	06 33 27.0 +0.3		
KMI	comp=Z,17nm,0.7s						LR	LR
KMI	comp=Z,240nm,7.6s						LR	LR
KMI	comp=Z,260nm,10.9s						LR	LR
KMI	comp=Z,290nm,10.4s						LR	LR
GTA	Gaotai	35.85	296	eP	P	06 33 27.7 -0.6		
GTA				pP	sP	06 33 36.9 +1.9		
GTA				sP	sP	06 33 40.8 -1.5		
GTA				PcP	PcP	06 35 56.2 +0.8		
GTA	comp=Z,4.0nm,0.8s						pmax	pmax
GTA	comp=Z,100nm,8.9s						LR	LR
GTA	comp=Z,260nm,16.1s						LR	LR
GTA	comp=Z,210nm,15.1s						LR	LR
ADK	Adak	36.37	43	eP	P	06 33 32.9 +0.6		
ADK	Adak	36.37	43	eP	P	06 33 32.9 +0.6		
ADK	comp=Z,35nm,1.0s						pmax	pmax
ADK	comp=Z,35nm,1.0s						pmax	pmax
MOY	Mondy	36.98	316	eP	P	06 33 38.6 +0.9		
MOY	comp=Z,18nm,1.8s						pmax	pmax
SKNT	Sakolnaker	37.82	258	P	P	06 33 45.4 +0.3		
ATKA	Atka Island	37.93	43	eP	P	06 33 45.7 +0.2		
ATKA	comp=Z,5.3nm,0.8s						pmax	pmax
NONG	Nongkai	38.02	260	P	P	06 33 48.0 +1.2		
NONG	comp=Z,0.2nm,0.7s						pmax	pmax
KNGR	Kungurtug, Tuv	38.80	314	eP	P	06 33 53.3 +0.1		
BILL	Bilbino	39.71	14	eP	P	06 34 01.1 +0.8		
BILL	comp=Z,18nm,0.8s						pmax	pmax
BILL	Bilbino	39.71	14	dP	P	06 34 00.1 -0.2		
BILL				ePPP	PPP	06 35 32.9		
BILL				pmax	pmax	06 35 52.8		
BILL	comp=Z,24nm,1.0s						MLR	MLR
CHAI	Chaiyaphum	40.01	258	P	P	06 34 02.8 -0.7		
CHAI	comp=Z,5.0nm,0.7s						pmax	pmax
PBKT	Sadao Pong	40.55	259	eP	P	06 34 07.5 -0.4		
PBKT	comp=Z,7.8nm,0.7s						pmax	pmax
PBKT	Sadao Pong	40.55	259	P	P	06 34 08.7 +0.8		
PBKT	comp=Z,10nm,0.7s						pmax	pmax
SRAK	Srakaw	40.91	255	P	P	06 34 07.4 -3.5		
SRAK	comp=Z,33nm,0.8s						pmax	pmax
CMMT	Chiang Mai	41.26	264	P	P	06 34 15.4 +1.6		
CMMT	comp=Z,5.6nm,0.9s						pmax	pmax
CHTO	Chiang Mai	41.27	264	eP	P	06 34 12.7 -1.1		
CHTO	comp=Z,4nm,0.9s						pmax	pmax
CHTO	Chiang Mai	41.27	264	eP	P	06 34 12.7 -1.1		
CHTO	comp=Z,7.0nm,0.9s						pmax	pmax
CHTO	Chiang Mai	41.27	264	P	P	06 34 15.5 +1.7		
CHTO	comp=Z,38nm,1.0s						pmax	pmax
CMAR	Chiang Mai Arr	41.42	263	eP	P	06 34 18.8 +3.4		
CMAR	comp=Z,1.0nm,0.4s						pmax	pmax
CMAR	Chiang Mai Arr	41.42	263	P	P	06 34 14.4 -0.7		
CMAR	comp=Z,0.9nm,0.3s,baz=53,slow=8.6,SNR=6.5						LR	LR
CMAR	comp=Z,99nm,18.1s,baz=330,slow=39						LR	LR
TIXI	Tiksi	41.55	353	eP	P	06 34 15.3 -0.1		
TIXI	comp=Z,19nm,1.1s						pmax	pmax
TIXI	Tiksi	41.55	353	dP	P			



2d 6h

Table with columns: Team Name, Score, Position, Points, Margin, etc. Includes teams like WRH Wood River Hill, NRRN Naryn, TKM2 Tokmak 2, etc.

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Table with columns: Team Name, Score, Position, Points, Margin, etc. Includes teams like STKA Stephens Creek, STKA Stephens Creek, FORT Forrest, etc.

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Table with columns: Team Name, Score, Position, Points, Margin, etc. Includes teams like NEW Newport, M04C Maccold, WDC Whiskeytown Da, etc.

DAC	Darwin (Calif) comp=2.3,0nm,0.9s	79.41	54	eP	P	06 38 34.3	-0.6
DAC	Darwin (Calif)	79.41	54	eP	P	06 38 34.3	-0.6
BLG	Laguna Peak, P baz=300	79.46	57	P	P	06 38 35.0	0.0
SNCC	San Nicolas Is baz=300	79.55	58	P	P	06 38 35.4	+0.1
MPMC	Manual Prospec baz=301,SNR=6.6	79.59	54	P	P	06 38 35.8	-0.1
H17A	Grant Village comp=2.1,1nm,0.9s	79.71	44	eP	P	06 38 39.1	+2.7
H17A	Grant Village baz=303	79.71	44	eP	P	06 38 39.9	+2.4
LKWY	Lake comp=2.7,8nm,0.9s	79.72	44	eP	P	06 38 39.4	+2.9
R11A	Troy Canyon, comp=2.9,5nm,0.9s	79.73	51	eP	P	06 38 36.8	+0.3
R11A	Troy Canyon, C baz=301,SNR=8.2	79.73	51	P	P	06 38 36.6	+0.1
LRMC	Laurel Mtn Rad baz=301	79.75	57	P	P	06 38 37.0	+0.3
HVU	Hansel Valley comp=2.3,9nm,0.7s	79.77	47	eP	P	06 38 37.8	+1.1
FLWY	Flagg Ranch comp=2.8,1nm,0.9s	79.81	45	eP	P	06 38 39.4	+2.5
FURC	Furnace Creek, baz=301,SNR=6.9	79.82	54	P	P	06 38 37.1	+0.3
EDW2	Edwards Air Fo baz=300,SNR=8.2	79.83	56	P	P	06 38 37.0	0.0
FXWY	Fox Creek comp=2.3nm,1.1s	79.85	45	eP	P	06 38 38.6	+1.4
AKASG	Malin Array Be comp=2.8,5nm,0.7s,baz=49,slow=5.9,SNR=18	79.89	324	P	P	06 38 36.7	-0.2
AKASG	LR	07 18	53.9		LR		
AKKB	Malin Array Si comp=2.9,5nm,0.8s	79.89	324	eP	P	06 38 37.0	+0.1
AKKB	Malin Array Si	79.89	324	eP	P	06 38 37.0	+0.1
KIEV	Kiev comp=2.10,0nm,0.8s	79.90	324	eP	P	06 38 37.0	0.0
KIEV	Kiev	79.90	324	eP	P	06 38 37.0	0.0
KIEV	Kiev	79.90	324	eP	P	06 38 37.0	0.0
AK11	Malin Array Si	79.93	324	eP	P	06 38 37.0	-0.1
MOOW	Moose Ponds comp=2.1,6nm,0.9s	79.96	45	eP	P	06 38 38.7	+0.9
TPNV	Topopah Spring comp=2.7,10nm,0.6s	80.00	53	eP	P	06 38 38.2	+0.2
TPNV	Topopah Spring	80.00	53	eP	P	06 38 38.2	+0.2
TPNV	Topopah Spring	80.00	53	eP	P	06 38 38.0	0.0
LRMT	Red Lodge baz=304	80.09	43	P	P	06 38 39.3	+0.9
LRMT	Red Lodge	80.09	43	P	P	06 38 39.3	+0.9
NC405	NORSAR Array S	80.10	338	eP	P	06 38 38.2	+0.3
REDW	Red Top Meadow comp=2.7,4nm,1.1s	80.11	45	eP	P	06 38 40.0	+1.5
SNOW	Snow King Moun comp=2.9,3nm,1.1s	80.11	45	eP	P	06 38 40.8	+2.1
LOHW	Long Hollow comp=2.5,2nm,1.0s	80.12	45	eP	P	06 38 39.6	+1.0
SPUT	South Promonto comp=2.9,3nm,0.9s	80.22	48	eP	P	06 38 39.8	+0.7
CIS	Catalina Island baz=300	80.28	57	P	P	06 38 39.2	-0.2
NB2	NORSAR Subarra comp=2.2,7nm,0.7s,baz=40,slow=5.6	80.31	338	P	P	06 38 38.4	-0.7
NB200	NORSAR Array S	80.31	338	eP	P	06 38 38.7	-0.4
NOA	NORSAR Array S	80.31	338	eP	P	06 38 38.7	-0.4
BFSC	Mount Baldy Ra baz=301	80.40	56	P	P	06 38 40.0	-0.1
GSC	Goldstone, Bar comp=2.5,8nm,1.1s	80.46	55	eP	P	06 38 41.0	+0.6
GSC	Goldstone, Bar	80.46	55	eP	P	06 38 41.0	+0.6
GSC	Goldstone, Bar	80.46	55	eP	P	06 38 40.2	-0.2
DUG	Dugway, Toeole comp=2.5,2nm,0.6s	80.59	49	eP	P	06 38 41.7	+0.6
DUG	Dugway, Toeole	80.59	49	eP	P	06 38 41.7	+0.6
DUG	Dugway, Toeole	80.59	49	eP	P	06 38 41.7	+0.6
SUW	Suwalki comp=2.5,0nm,0.6s	80.79	49	eP	P	06 38 41.5	+0.3
SUW	Suwalki	80.79	49	eP	P	06 38 41.5	+0.3
PSUT	Pine Spring comp=2.3,2nm,0.9s	80.79	51	eP	P	06 38 42.6	+0.3
LAO	LASA Array baz=308	80.94	41	P	P	06 38 42.9	+0.2
SHPR	Sheep Range comp=2.3,4nm,0.8s	80.97	53	eP	P	06 38 43.7	+0.4
TCMT	Toone Canyon comp=2.7,7nm,0.9s	80.99	47	eP	P	06 38 44.1	+0.7
DGUT	Dagmar baz=307	81.00	38	P	P	06 38 43.0	+0.1
CTU	Camp Tracy comp=2.9,0nm,1.1s	81.00	48	eP	P	06 38 44.2	+0.8
TUQ	Turquoise Moun baz=302,SNR=8.1	81.00	54	P	P	06 38 43.5	+0.1
HEC	Hector,Ludlow baz=301,SNR=5.6	81.03	55	P	P	06 38 43.5	0.0
MURC	Murrietta baz=301	81.06	56	P	P	06 38 43.4	-0.1
NLU	North Lily Min comp=2.2,5nm,0.7s	81.09	49	eP	P	06 38 44.6	+0.2
BW06	Boulder Array comp=2.9,6nm,0.8s	81.23	45	eP	P	06 38 44.9	+0.3
BW06	Boulder Array	81.23	45	eP	P	06 38 44.3	-0.3
PD31	Pinedale Array baz=304	81.25	45	eP	P	06 38 45.6	+0.1
PDAR	Pinedale Array comp=2.1,9nm,0.6s,baz=27.5,slow=1.9,SNR=28	81.25	45	eP	P	06 38 44.5	-0.1
JLU	Jordanelle comp=2.5,2nm,0.8s	81.24	48	eP	P	06 38 45.7	+0.9
MPU	Maple Canyon comp=2.3,7nm,0.7s	81.44	48	eP	P	06 38 46.5	+0.8
109C	Camp Elliot, M baz=301	81.49	57	P	P	06 38 46.0	+0.2
GMRC	Granite Mounta baz=302,SNR=2.2	81.53	55	P	P	06 38 45.9	-0.3
PFO	Pinyon Flats O comp=2.8,9nm,0.9s	81.57	56	eP	P	06 38 46.5	0.0
PFO	Pinyon Flats O	81.57	56	eP	P	06 38 46.5	0.0
PFO	Pinyon Flats O	81.57	56	eP	P	06 38 46.3	-0.1
XPFO	Pion Flat comp=2.9,5nm,0.9s	81.58	56	eP	P	06 38 46.5	0.0
CCUT	Cedar City	81.64	51	P	P	06 38 47.8	+1.0
BELC	Belle Mtn, Jos baz=302,SNR=9.1	81.70	55	P	P	06 38 46.5	-0.6
MSU	Marysvalle	81.91	50	eP	P	06 38 48.2	+0.9
MSU	Marysvalle	81.91	50	eP	P	06 38 49.2	+0.9
MONP2	Monument Peak baz=302,SNR=7.1	82.01	52	eP	P	06 38 49.5	+0.1
LCMT	Little Creek M comp=2.6,1nm,0.7s	82.16	50	eP	P	06 38 50.8	+1.1
MTPU	Mount Pierson comp=2.3,6nm,1.0s	82.21	50	eP	P	06 38 49.6	-0.2
IRM	Iron Mountain baz=302,SNR=6.6	82.27	55	P	P	06 38 50.0	0.0
CB3	Big Chuckwalla baz=302,SNR=1.1	82.29	51	eP	P	06 38 50.9	+0.7
KNB	Kanab comp=2.9,9nm,0.9s	82.29	51	eP	P	06 38 50.9	+0.7
KNB	Kanab	82.29	51	eP	P	06 38 50.9	+0.7
P17A	Butcher Ranch, comp=2.10,0nm,0.9s	82.32	48	eP	P	06 38 51.3	+1.0
IKP	In-Ko-Pah, Jac baz=302,SNR=5.1	82.33	57	P	P	06 38 50.3	-0.1
Q16A	Castle W. V. comp=2.4,4nm,0.8s	82.35	49	eP	P	06 38 51.5	+1.0
SW6	Sam W. Stewart baz=302	82.39	56	P	P	06 38 50.3	-0.3
W13A	Hualapai Moun comp=2.1,6nm,0.7s	82.60	54	eP	P	06 38 52.1	+0.1

SRU	San Rafael Swe comp=2.6,3nm,0.7s	82.66	49	eP	P	06 38 52.4	+0.3
SRU	San Rafael Swe	82.66	49	eP	P	06 38 52.4	+0.3
PDMCI	Parker Dam,Lak baz=302	82.85	54	P	P	06 38 53.0	+0.1
Y12C	Blythe comp=2.4,6nm,0.8s	82.87	55	eP	P	06 38 54.1	+1.1
Y12C	Blythe	82.87	55	eP	P	06 38 53.3	+0.2
U15A	North Rim comp=2.2,5nm,0.7s	82.97	52	eP	P	06 38 54.4	+0.5
GLA	Glamis comp=2.9,5nm,0.8s	83.03	56	eP	P	06 38 54.1	+0.1
GLA	Glamis	83.03	56	eP	P	06 38 54.1	+0.1
GLA	Glamis	83.03	56	eP	P	06 38 54.4	+0.4
K22A	Casper comp=2.7,4nm,0.7s	83.13	44	eP	P	06 38 53.5	-1.0
BEL	Belsk	83.24	328	eP	P	06 38 55.1	+0.5
BEL	Belsk	83.24	328	eP	P	06 38 55.1	+0.5
O20A	White River Ci comp=2.1,1nm,0.8s	83.53	47	eP	P	06 38 57.3	+0.7
O20A	White River Ci	83.53	47	eP	P	06 38 57.1	+0.4
RSSD	Black Hills comp=2.4,1nm,0.7s	83.70	42	eP	P	06 38 57.4	-0.1
RSSD	Black Hills	83.70	42	eP	P	06 38 57.4	-0.1
RSSD	Black Hills	83.70	42	eP	P	06 38 57.4	-0.1
RSSD	Black Hills	83.70	42	eP	P	06 38 57.4	-0.1
MDND	Maddock comp=2.1,1nm,0.8s	83.79	37	eP	P	06 38 57.8	+0.2
MDND	Maddock	83.79	37	eP	P	06 38 57.7	+0.2
BR101	Keeskin Array S	83.81	313	eP	P	06 38 58.5	+0.5
BR113	Keeskin Array S	83.81	313	eP	P	06 38 59.0	+1.0
BRTR	Keeskin Array S	83.81	313	eP	P	06 38 58.2	+0.2
BRTR	Keeskin Array S	83.81	313	eP	P	06 38 58.4	+0.5
KWP	Kalwaria Pacla	83.81	326	eP	P	06 38 58.5	+0.9
KWP	Kalwaria Pacla	83.81	326	eP	P	06 38 58.5	+0.9
BIZ	Biaz	83.83	322	eP	P	06 38 58.4	+0.6
Y14A	Wickenburg comp=2.4,0nm,0.6s	83.84	54	eP	P	06 38 58.5	+0.3
BUR08	Bucovina Ar. S	83.85	323	eP	P	06 38 58.5	+0.5
BUR08	Bucovina Ar. S	83.85	323	eP	P	06 38 58.2	+0.3
BURAR	Bucovina Array	83.85	323	eP	P	06 38 58.2	+0.1
BURAR	Bucovina Array	83.85	323	eP	P	06 38 58.2	+0.1
PV09	Paradox Valley	83.90	49	eP	P	06 39 00.1	+1.4
PV21	Cone Mtn., Par comp=2.6,6nm,0.7s	83.97	48	eP	P	06 38 59.4	+0.5
PV23	Carpenter Ridg comp=2.1,9nm,1.2s	84.01	49	eP	P	06 38 59.1	-0.1
PV14	Lion Creek, Pa comp=2.8,7nm,0.8s	84.04	49	eP	P	06 38 59.6	+0.2
ULM	Lac du Bonnet comp=2.3,5nm,1.1s	84.05	33	eP	P	06 38 58.3	-0.5
ULM	Lac du Bonnet	84.05	33	eP	P	06 38 58.3	-0.5
ULM	Lac du Bonnet	84.05	33	eP	P	06 38 57.8	-1.0
ULM	Lac du Bonnet	84.05	33	eP	P	06 39 00.8	+1.3
RAYN	Ar Rayn comp=2.28nm,1.1s	84.08	294	eP	P	06 39 00.8	+1.3
RAYN	Ar Rayn	84.08	294	eP	P	06 39 00.8	+1.3
RAYN	Ar Rayn	84.08	294	eP	P	06 39 00.8	+1.3
WUAZ	Wupatki baz=304	84.09	52	P	P	06 38 59.8	+0.3
PV20	West Nyswonger comp=2.8,1nm,0.8s	84.10	49	eP	P	06 39 00.3	+0.7
PV19	Morning Glary comp=2.6,5nm,0.7s	84.11	49	eP	P	06 38 59.8	+0.2
PV04	Paradox Valley	84.11	49	eP	P	06 39 00.3	+0.7
TIRR	Tirgusor	84.12	319	eP	P	06 38 59.5	+0.3
TIRR	Tirgusor	84.12	319	eP	P	06 38 59.5	+0.3
PV17	East Wray Mesa comp=2.7,7nm,0.8s	84.14	49	eP	P	06 38 60.0	+0.2
PV16	Nyswonger Mesa comp=2.7,8nm,0.8s	84.15	49	eP	P	06 39 00.3	+0.4
PV05	Paradox Valley comp=2.7,8nm,0.8s	84.16	49	eP	P	06 38 59.3	-0.7
VRI	Vrincioia	84.17	321	eP	P	06 39 00.4	+0.8
VRI	Vrincioia	84.17	321	eP	P	06 39 00.4	+0.8
PV11	David Mesa, Pa comp=2.1,5nm,1.1s	84.18	49	eP	P	06 39 00.6	+0.6
PV12	Saucer Basin, comp=2.7,7nm,0.9s	84.22	49	eP	P	06 39 00.7	+0.5
PV03	Paradox Valley comp=2.12nm,1.2s	84.22	49	eP	P	06 39 00.3	+0.1
PLOR	Plostina	84.22	321	eP	P	06 39 00.2	+0.3
PLOR	Plostina	84.22	321	eP	P	06 39 00.2	+0.3
TLB	Topalu	84.25	319	eP	P	06 39 00.6	+0.7
TLB	Topalu	84.25	319	eP	P	06 39 00.6	+0.7
ANTO	Ankara comp=2.16nm,0.7s	84.26	313	eP	P	06 39 00.8	+0.6
ANTO	Ankara	84.26	313	eP	P	06 39 00.8	+0.6
PV13	Radium Mtn., P comp=2.5,7nm,0.7s	84.30	49	eP	P	06 39 00.8	+0.1
PV02	Paradox Valley comp=2.5,1nm,0.9s	84.32	49	eP	P	06 39 01.7	+0.9
PV01	Paradox Valley comp=2.5,2nm,0.9s	84.47	49	eP	P	06 39 01.7	+0.2
N23A	Red Feather La comp=2.13nm,0.7s	84.51	45	eP	P	06 39 02.8	+1.1
N23A	Red Feather La	84.51	45	eP	P	06 39 02.5	+0.8
OZUR	Lo Mia Camp, P comp=2.2,2nm,0.9s	84.54	321	eP	P	06 39 02.5	+1.1





2d 8h

Table of seismic data for 2d 8h, listing stations like DZM, EIDS, WRAB, WB2, etc., with columns for station name, time, magnitude, and other parameters.

2013 FEB

Table of seismic data for 2013 FEB, listing stations like TIXI, PMX, GHO, TRF, etc., with columns for station name, time, magnitude, and other parameters.

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Table of seismic data for 88, listing stations like SYZ, MSZ, TUZ, etc., with columns for station name, time, magnitude, and other parameters.

IDC 02 08:29:22.0: 1.5, 33.89N:24.58E, h0km, mb3.8/7, mb1 3.7/10, mb1mx3.5/46, mbtmp3.6/10, ML3.3/3, Error ellipse: s-maj=31.0km s-min=24.7km az=155.0

ISCJB 02 08:29:24.1: 0.9, 33.70N:0.08:24.64E:0.09, h30km, mb3.9/7, Error ellipse: s-maj=12.5km s-min=9.1km az=36.4

ATH 02 08:29:24.4: 33.90N:24.73E, h7km, 4km, ML2.5/1, Error ellipse: s-maj=9.0km s-min=1.8km az=15.0

ISC 02 08:29:26.3: 1.2, 33.86N:0.10:24.6E:0.1, h30km, n19, s101/20, mb3.8/7, Central Mediterranean Sea

Table of seismic data for stations like GVD, IDI, LAST, VAM, NPS, etc., with columns for station name, time, magnitude, and other parameters.

IDC 02 08:35:01.5: 2.8, 29.28N:139.60E, h422km, 31km, mb2.6/5, mb1 2.7/7, mb1mx2.6/52, mbtmp3.4/7, Error ellipse: s-maj=31.4km s-min=19.3km az=81.0

Table of seismic data for stations like MJAR, KSRK, MKAR, etc., with columns for station name, time, magnitude, and other parameters.

NORS 02 08:36:51.4: 0.0, 43.226N:44.17E, h11km, MPVA3.5, MOS 02 08:36:51.4: 0.0, 43.226N:44.17E, h11km, MPVA3.5

MOS 02 08:36:52.1: 0.8, 43.226N:44.17E, h12km, mb3.6/1, 7C-3D, Error ellipse: s-maj=8.6km s-min=6.3km az=125.5

Table of seismic data for stations like KORR, STDR, BATA, etc., with columns for station name, time, magnitude, and other parameters.

WEL 02 08:18:25.4: 1.4, 46.58S:16.66E, h12km, ML3.9/7, Off west coast of South Island

Table of seismic data for stations like WEL, PYZ, DCZ, etc., with columns for station name, time, magnitude, and other parameters.













AGG	Agios Georgios	5.22 336	ePn	Pn	11 35 11.8	0.0
AGG	Agios Georgios	5.22 336	P	Pn	11 35 13.2	+1.3
AGG	Agios Georgios	5.22 336	P	Pn	11 35 14.0	+2.2
AGG	Agios Georgios	5.22 336	ePn	Pn	11 35 11.8	0.0
ANTB	Antalya	5.25 59	PN	Pn	11 35 15.7	+3.5
BRDR	BURDUR-Merkez	5.29 48	iP	Pn	11 35 15.8	+3.0
BRDR			IAML_P			
XOR	Xorichti	5.29 344	P	Pn	11 35 13.8	+0.9
VLS	Yasimata	5.31 318	P	Pn	11 35 15.8	+2.5
EVYR	Evyrtania	5.32 331	P	Pn	11 35 18.0	+4.7
FYTO	Fytokho, Volos	5.39 342	P	Pn	11 35 15.5	+1.3
KHAL	Karahalli	5.42 40	iP	Pn	11 35 16.3	+1.6
KHAL			IAML_P			
HBRG	Buraj Arab	5.47 131	P	Pn	11 35 15.0	-0.3
BCK	Bucak	5.49 53	PN	Pn	11 35 18.5	+2.9
STEP	BALIKESIR_Sava	5.51 22	iP	Pn	11 35 19.1	+3.2
STEP			IAML_P			
BAYC	CANAKKALE_Bayr	5.57 12	iP	Pn	11 35 18.1	+1.3
DEMI	Demirci	5.58 31	iP	Pn	11 35 19.8	+2.9
DEMI			IAML_P			
EVGI	Lefkada Island	5.60 322	P	Pn	11 35 21.3	+4.2
ISP	Isparta	5.65 50	ePn	Pn	11 35 18.5	+0.6
ISP	Isparta	5.65 50	iP	Pn	11 35 19.7	+1.8
ISP	Isparta	5.65 50	iP	Pn	11 35 19.7	+1.8
KZIL	AFYON Kizoren	5.70 44	iP	Pn	11 35 20.3	+1.7
LKZD	Lefkada Island	5.73 323	P	Pn	11 35 20.3	+1.4
TSLK	Tsoukalades, L	5.76 323	P	Pn	11 35 21.2	+1.9
SUTC	Sutluce-Ispart	5.77 55	PN	Pn	11 35 22.7	+3.1
BALB	Balikesir	5.80 22	iP	Pn	11 35 20.7	+0.9
BALY	Balya	5.82 20	PN	Pn	11 35 22.4	+2.3
BALY			IAML_P			
BAGO	Egridir - ISPA	5.92 50	iP	Pn	11 35 22.9	+1.3
KEPZ	Antalya-Kepez	5.93 62	iP	Pn	11 35 23.4	+1.8
KEPZ			IAML_P			
GDZ	Sediz	5.96 35	iP	Pn	11 35 24.9	+2.7
DURS	Dursunbey	5.97 26	iP	Pn	11 35 24.9	+2.7
DURS			IAML_P			
PPCY	Paphos	6.03 82	P	Pn	11 35 22.3	-0.7
SHUT	Suhut-Afyon	6.14 44	PN	Pn	11 35 26.8	+2.2
LIT	Litokhoron	6.16 341	ePn	Pn	11 35 25.2	+0.4
LIT	Litokhoron	6.16 341	P	Pn	11 35 25.6	+0.8
LIT	Litokhoron	6.16 341	eP	Pn	11 35 25.2	+0.4
ALFC	Alefka	6.26 80	P	Pn	11 35 26.1	-0.1
ALFC			S	Pn	11 36 31.6	-5.4
SZAC	Souni	6.47 84	P	Pn	11 35 28.5	-0.5
SZAC			S	Pn	11 36 37.2	-4.8
IGT	Igoumenitsa	6.47 325	P	Pn	11 35 29.1	+0.1
BOLV	Bolvadin	6.48 45	iP	Pn	11 35 31.2	+1.9
LEF	Lefka	6.50 80	P	Pn	11 35 29.4	0.0
DOGA	KONYA_Doganhis	6.56 53	ePn	Pn	11 35 32.9	+2.5
DOGA			IAML_P			
HMVD	Mayadein	6.61 131	P	Pn	11 35 32.0	+1.0
HNAT	Natroun	6.61 133	P	Pn	11 35 31.1	+0.1
HNAT			baz=133			
ALN	Alexandroupoli	6.65 6	ePn	Pn	11 35 32.2	+0.8
ALN	Alexandroupoli	6.65 6	eP	Pn	11 35 32.2	+0.8
KESN	Edirne-Kesan	6.66 11	eP	Pn	11 35 33.9	+2.0
KESN			IAML_P			
SOH	Sokhos	6.67 349	P	Pn	11 35 34.8	+0.0
MAMC	Mammari	6.77 80	P	Pn	11 35 32.8	-0.3
ERMK	Ermenek	6.82 68	iP	Pn	11 35 37.3	+3.3
ERMK			IAML_P			
CSS	Mathiatis	6.84 82	ePn	Pn	11 35 34.5	+0.3
CSS	Mathiatis	6.84 82	eS	Pn	11 36 48.1	-3.2
CSS	Mathiatis	6.84 82	P	Pn	11 35 34.2	0.0
CSS	Mathiatis	6.84 82	S	Pn	11 36 45.6	-5.7
CSS	Mathiatis	6.84 82	P	Pn	11 35 32.0	-2.2
CSS	Mathiatis	6.84 82	0.8s	comp=Z,0.1nm	11 35 33.6	-0.6
KMER	Konya-Merem	6.86 57	iP	Pn	11 35 38.3	+3.8
KMER			IAML_P			
KONT	Konya-Tatoy	6.94 56	iP	Pn	11 35 38.9	+3.4
KONT			IAML_P			
BORA	BORSA	7.05 36	iP	Pn	11 35 35.1	-1.9
BORA			IAML_P			
KDHN	Kadinhani	7.08 51	iP	Pn	11 35 38.3	+0.8
KDHN			IAML_P			
GULN	MERSIN_Gulnar	7.19 72	iP	Pn	11 35 40.0	+1.1
KOT	Kottamia	7.19 125	P	Pn	11 35 39.5	+0.5
KOT			baz=127			
VAYE	Valandovo	7.30 345	iPn	Pn	11 35 44.4	+0.4
GLL	Jalaloh	7.34 128	P	Pn	11 35 41.2	+0.2
GLL			baz=130			
MMB	Musomiste	7.37 352	iP	Pn	11 35 49.0	+7.6
RZN	Bozhen	7.40 358	iP	Pn	11 35 43.9	+2.0
EREN	Erenkoy	7.58 78	iP	Pn	11 35 46.6	+2.3
KRUS	Krusevo	7.69 338	iPn	Pn	11 35 47.9	+2.0
KIZK	Mersin	7.73 71	iP	Pn	11 35 47.8	+1.5
KKB	Krupnik	7.73 349	iP	Pn	11 35 54.6	+8.3
PLD	Plodiv	7.81 358	iP	Pn	11 35 56.9	+9.5
KAND	Kocaeli-Kandir	7.92 29	iP	Pn	11 35 46.2	+2.2
KERG	Konya-Eregli	7.99 64	iP	Pn	11 35 52.2	+2.2
SAHE	Sakarya_HENDEK	8.00 33	iP	Pn	11 35 54.8	+4.7
KIBS	BOLU	8.16 39	eP	Pn	11 35 54.1	+7.1
KIBS			IAML_P			
TIR	Tirane	8.16 331	ePn	Pn	11 35 52.1	-0.1
TIR	Tirane	8.16 331	eP	Pn	11 35 52.1	-0.1
TIP	Timpagrande	8.27 309	ePn	Pn	11 35 53.3	-0.4
TIP	Timpagrande	8.27 309	eS	Pn	11 37 22.2	-4.2
TIP	Timpagrande	8.27 309	iP	Pn	11 35 52.2	-1.6
TIP	Timpagrande	8.27 309	S	Pn	11 37 19.9	-6.6
BR231	Keskin MP Arra	8.29 46	ePn	Pn	11 35 55.3	+1.2
ANTO	Antara	8.31 46	ePn	Pn	11 35 55.7	+1.3
ANTO	Antara	8.31 46	iP	Pn	11 35 56.6	+2.2
ANTO	Antara	8.31 46	iP	Pn	11 35 56.6	+2.2
ANTO	Antara	8.31 46	P	Pn	11 35 56.5	+2.2
ANTO			SNR=0			
YIGI	Dzce	8.37 35	iP	Pn	11 35 58.6	+3.5
CEL	Celeste	8.40 301	ePn	Pn	11 35 55.4	-0.2
CEL			eS	Pn	11 37 26.5	-3.3
GULE	Gulek	8.44 66	iP	Pn	11 35 59.0	+2.8
VTS	Vitosha	8.45 351	ePn	Pn	11 35 56.3	+0.1
VTS	Vitosha	8.45 351	iP	Pn	11 35 53.6	-2.6
VTS	Vitosha	8.45 351	iP	Pn	11 35 53.6	-2.6
VTS	Vitosha	8.45 351	iP	Pn	11 35 58.3	+2.1
HNTI	Hanita	8.51 95	iP	Pn	11 35 56.7	-0.3
KZIT	Kziot	8.56 111	P	Pn	11 35 58.7	+1.0
KZIT			IAML_P			
KZIT	Kziot	8.56 111	Pn	Pn	11 35 58.2	+0.5
KZIT			S	Pn	11 37 29.6	-3.9
BCAM	Yenicaga	8.56 38	iP	Pn	11 36 01.2	+3.4
BLGI	Bel Lehem HaGe	8.59 101	P	Pn	11 36 01.2	+3.4
SLTI	Salit	8.59 101	S	Pn	11 35 58.3	+0.1
MLA			S	Pn	11 37 29.8	-4.6
MMAO	Mount Meron ar	8.71 95	PN	Pn	11 35 59.7	-0.1
MMAI	Mount Meron Ar	8.71 95	PN	Pn	11 35 59.0	-0.8
MMAI			comp=Z,4.7nm,0.3s,baz=280,slow=1.1,SNR=23			
MMAI			S	Pn	11 37 30.7	-6.6
AMAZ	Amatzia	8.72 106	PN	Pn	11 36 00.4	+0.5
AMAZ			S	Pn	11 37 33.7	-3.8
BR101	Keskin Array S	8.74 49	eS	Pn	11 36 01.1	+0.0
BR101			eS	Pn	11 37 36.8	+1.4
BR131	Keskin Array S	8.74 49	ePn	Pn	11 36 01.0	+0.7
BR131			eS	Pn	11 37 40.2	+2.1
BR131	Keskin Array S	8.74 49	P	Pn	11 36 01.5	+1.2
BRTR	Keskin Array B	8.74 49	iP	Pn	11 36 01.1	+0.7
BRTR			pmx	pmx		
BRTR			comp=Z,5.0nm,0.8s			
BRTR	Keskin Array B	8.74 49	Pn	Pn	11 36 01.1	+0.8

BRTR			Sn	Sn	11 37 36.8	-1.4
BRTR			LR	LR	11 40 23.5	
WDD	Wied Dalam	8.79 283	ePn	Pn	11 35 23.7	-2.1
MMLI	Mount Malkishu	8.85 99	Pn	Pn	11 36 01.3	-0.5
MMLI			Sn	Pn	11 37 36.3	-4.5
KSDI	Kefar Szold	8.89 94	Pn	Pn	11 36 01.5	-0.7
KSDI			Sn	Pn	11 37 37.0	-4.5
PVKI	Pavlikeni	8.92 1	iP	Pn	11 36 09.7	+7.1
NATI	Neve Ativ	8.94 94	Pn	Pn	11 36 03.1	+0.2
NATI			Sn	Pn	11 37 39.1	-3.7
YTR	Yattir	8.94 106	Pn	Pn	11 36 03.5	+0.5
YURE	YUREGIR	8.97 11	Pn	Pn	11 36 03.0	-0.3
RMNI	Ramon Ramon	8.98 112	Pn	Pn	11 36 03.9	+0.4
RCY	Rachaya	8.98 92	eP	Pn	11 36 02.6	-1.1
HMDT	Nahal Hemdat	8.99 100	Pn	Pn	11 36 04.4	+0.8
HMDT			Sn	Pn	11 37 39.9	-4.1
SZH	Strazhica	8.99 4	iP	Pn	11 36 14.4	+1.1
HWVg	Havva	9.00 87	Pn	Pn	11 36 04.9	+1.0
DELI	KIRIKKALE	9.08 49	iP	Pn	11 36 06.6	+1.7
DSI	Dead Sea	9.08 104	Pn	Pn	11 36 05.2	+0.4
DSI			Sn	Pn	11 37 42.2	-4.1
PRD	Provadia	9.09 11	iP	Pn	11 36 05.7	+0.8
MPEP	Malo Peshtene	9.12 354	iP	Pn	11 36 08.5	+3.2
YAHY	Yahyal	9.15 82	iP	Pn	11 36 05.2	-2.1
CDAG	Cicekdag	9.15 82	iP	Pn	11 36 08.0	+2.0
MZDA	Masada	9.16 106	Pn	Pn	11 36 06.1	+0.3
MZDA			Sn	Pn	11 37 44.1	-4.0
MATE	Matera	9.19 316	iP	Pn	11 36 04.2	-2.2
VAE	Valguarnera	9.22 293	Pn	Pn	11 36 08.9	+2.2
VAE			comp=Z,2.4nm,0.3s,baz=9.2,slow=9.8,SNR=4.8			
VAE			Sn	Sn	11 37 46.2	-3.5
PRNI	Paran	9.27 112	Pn	Pn	11 36 08.1	+0.6
ZFRI	Zfiri	9.32 111	Pn	Pn	11 36 08.1	+0.6
ZFRI			Sn	Pn	11 36 08.0	-0.1
GHAJ	Ghor Haditha	9.32 106	P	Pn	11 36 08.1	0.0
GHAJ			comp=Z,9.5nm,0.5s			
GHAJ	Ghor Haditha	9.32 106	Pn	Pn	11 36 08.4	+0.3
PDG	Podgorica	9.32 332	iP	Pn	11 36 08.0	-0.2
PDG			Sn	Pn	11 37 45.3	-6.3
TTG	Podgorica	9.32 332	ePn	Pn	11 36 06.8	-1.4
TTG			eS	Pn	11 37 48.9	-3.3
TTG	Podgorica	9.32 332	eP	Pn	11 36 06.8	-1.4
TTG			eP	Pn	11 37 48.9	-3.3
SGI	Sgolore (BA)	9.34 317	Pn	Pn	11 36 09.1	0.1
SGI			Sn	Pn	11 37 43.7	-8.9
BAL	Bari	9.40 319	ePn	Pn	11 36 10.4	+1.2
BAL			Sn	Pn	11 37 48.3	-5.9
WALJ	Wala	9.43 104	P	Pn	11 36 09.7	+0.1
WALJ			comp=Z,9.9nm,0.5s			
HRFI	Mount Harif	9.45 114	P	Pn	11 36 11.1	+1.2
HRFI			comp=Z,12.3nm,0.6s			
HRFI	Mount Harif	9.45 114	Pn	Pn	11 36 10.5	+0.6
HRFI			Sn	Pn	11 37 52.3	-3.1
MBRI	Mt Berech	9.48 115	PN	Pn	11 36 10.7	+0.3
SIRC	Voazet	9.52 55	iP	Pn	11 36 12.5	+0.5
EIL	Eilat	9.57 116	P	Pn	11 36 13.1	+1.6
EIL			comp=Z,8.3nm,0.7s			
EIL	Eilat	9.57 116	Pn	Pn	11 36	



Table with columns: SEY, Seymchan, 74.40 22 P, P, 11 45 31.1 +0.3, etc. Includes stations like WMQ, Urumqi, NRIK, PYUN, SUMG, etc.

Table with columns: SEY, Seymchan, 74.40 22 P, P, 11 45 31.1 +0.3, etc. Includes stations like KLR, Kuldur, PSI, Prapat, etc.

Table with columns: GEN 02 11:41:08.3, 44:20N:10:51E, h14km, 1km, M12.4, etc. Includes stations like Villacollemand, Sassorosso, Bagni Di Lucca, etc.

NEIC 02 11:34:19.9-0.0, 15:63N:96:43W, h20km, MD4.0(MEX), After MEX. MEX 02 11:34:20.0-0.5, 15:63N:96:43W, h20km, 9km, MD4.0, Near coast of Oaxaca. Code Station Name Az AzZ Phase ID Op P h m s ISC Time Res



2d 11h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various data points for stations like La Plagne, La Moure, SOTA, WTAA, MOTA, WATA, etc.

ROM 02 11:42:00.2-0.1, 44.163N, 0.007-10.490E:0.007, h16km, ML2.5/6
GEN 02 11:42:00.5, 44.20N, 10.51E, h14km, 2km, M1.2
ISC 02 11:42:00.4-1.0, 44.18N, 10.04-10.49E:0.03, h16km, 6km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various data points for stations like SARO, VLLC, BDI, POPM, EQUI, MAIM, ZCCA, MTCR, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various data points for stations like GRAM, PLMA, ARK, IUG, BTK, ARSB, MNAS, etc.

ISC 02 11:53:59.6-0.8, 9.34S, 113.00E, h0km, mb4.2/11, mb1.4, 4/13, mb1mx4.2/41, mbmp4.2/13, ML4.2, MS3.4/4, Ms1.3/5.4, ms1mx3.0/35, Error ellipse: s-maj=29.2km s-min=11.7km az=48.0

ISCJBJ 02 11:54:02.1-0.3, 9.82S, 0.04, 112.90E:0.03, h33km, mb4.4/26, MS3.4/3, Error ellipse: s-maj=5.5km s-min=3.3km az=25.3

NEIC 02 11:54:03.7-0.3, 9.68S, 112.97E, h35km, mb4.5/15, Error ellipse: s-maj=7.6km s-min=4.3km az=217.0
DJA 02 11:54:04.1-0.5, 10.5-6.5, 11.3E, h10km, M4.6/20, mb4.8/7, mb5.0/5, ML4.7/20, MW(m)B4.3/5

ISC 02 11:54:04.1-0.4, 9.81S, 0.05, 112.91E:0.04, h35km, n94, z=30/103, mb4.5/30, MS3.3/3, 1C, South of Jawa

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various data points for stations like JAGI, IJAGI, PCJJI, IGBI, DNPJ, WONGI, NGJI, SRBI, GRJI, KMMI, UGM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various data points for stations like WRA, WRAB, WB2, AS31, ASAR, etc.

ISC 02 11:57:59.1-0.8, 10.80S, 165.37E, h0km, mb3.9/11, mb1.4, 2/13, mb1mx4.0/36, mbmp4.0/13, ML4.6/2, MS3.4/3, Ms1.3/4.3, ms1mx3.0/28, Error ellipse: s-maj=28.7km s-min=18.9km az=148.0

NEIC 02 11:58:00.6-0.2, 10.84S, 165.42E, h10km, mb4.5/8, Error ellipse: s-maj=6.7km s-min=5.0km az=88.0
ISCJBJ 02 11:58:01.7-0.4, 10.97S, 0.05, 165.37E:0.06, h30km, mb4.1/17, MS3.5/2, Error ellipse: s-maj=8.8km s-min=7.4km az=146.2

ISC 02 11:58:03.5-0.6, 10.87S, 0.09, 165.40E:0.08, h30km, n37, z=1913/38, mb4.2/17, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various data points for stations like HNR, NVAR, T42A, MIAR, LPAZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Kahutara, ASAR Alice Springs, ASAR Matsushiro, MAJO Matsushiro, MA2 Magadala, SONAO Songino Array, SONM Songino Array, SONAI Songino Array, OSPA South Pole Qui, SUA Susitna One, TRF Thorofare Moun, ILAR Eielson Array, ILB Eielson Array, NV01 Mina Array Sit, NVAR Mina Array Bea, U15A North Rim, MK32 Makanchi Array, MKAR Makanchi Array, PDAR Pinedale Array, YKA Yellowknife Ar, TXAR Lajitas Array.

IDC 02 12:14:25.1-3.0, 30.49S-60.55E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.5/37, mbtmp3.5/4, Error ellipse: s-maj=96.0km s-min=41.2km az=50.0, Southwest Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, ASAR Alice Springs, WRA Warramunga Arr, MKAR Makanchi Array, YKA Yellowknife Ar.

NIED 02 12:17:00.40, 10N, 142.80E, h35km, Mw3.7 Best double couple: M0.399000x1014 NP1.3175.00000, 813.00000, 1.78.00000. NP2.3175.00000, 877.00000, 1.93.00000.

IDC 02 12:17:39.3, 1.8, 40.04N, 143.12E, h0km, mb3.5/6, mb1 3.5/8, mb1mx3.4/48, mbtmp3.5/8, ML2.6/2, MS3.2/1, Ms1 3.2/1, ms1mx2.5/35, Error ellipse: s-maj=50.8km s-min=22.0km az=79.0

ISCJB 02 12:17:41.7, 1.2, 40.07N, 142.98E, h19km, 7km, mb3.4/6, MS3.1/1, Error ellipse: s-maj=8.8km s-min=6.9km az=12.5

JMA 02 12:17:44.0-0.1, 40.07N-142.83E, h21km, 2km, M3.8

ISC 02 12:17:41.0-1.9, 40.10N-142.95E, h9km, 10km, n27, c107/31, mb3.5/6, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like JTH Tanohata, JKEN Kujedananarisa, MIYV Miyakonagasawa, JANG Nango, KJZ Kuzumaki, OFJU Ofunato, OPUJ Oshatas, JOM JOM, JARK Aomorirokkasho, JTM Tenmabayashi, JIMK Ichinoseki, JAH Hinai, ASAJ Asahikawa, ASAJ Asahikawa, MJAR Matsushiro Arr, USRK Ussuriysk Arr, GUMO Guam, SONM Songino Array, H11N2 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, ZALV Zalesovo Beam, MKAR Makanchi Array, WRA Warramunga Arr, ASAR Alice Springs, FINES FINESS Array B.

IDC 02 12:17:58.9-1.7, 10.90S-165.32E, h0km, mb3.7/3, mb1 4.1/4, mb1mx3.6/38, mbtmp3.9/4, ML4.3/1, MS3.5/2, Ms1 3.5/2, ms1mx2.8/26, Error ellipse: s-maj=52.1km s-min=30.0km az=127.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, RAO Raoul Island, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array.

ISK 02 12:31:41.7, 37.34N, 172.12E, h9km, ML 1.9/3

ISCJB 02 12:31:42.7-0.5, 37.30N-172.13E, h0.4km, 6km, Error ellipse: s-maj=6.9km s-min=4.1km az=26.4

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like GAZ Gaziantep, KMRs Kahramanmaraş, GZT Gaziantep, KUZU Kuzuni, ANDN Andirin, ATAB Bozova, SAIM ADANA, AKCD Akcadag, TAHT Tahtakopr-Hat, SURC SANLIURFA\_SURC, URFA Urfa.

MEX 02 12:39:12.0-0.6, 16.33N-98.28W, h11km, 4km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like PNIG Pinotepa, PNHG Vista Hermosa.

UCR 02 12:55:38.2-4.9, 9.44N-83.61W, h20km, 10km, MD3.6, ML4.0, 4C-1D, Costa Rica

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like EDLM Las Mercedes, EDLM Dominical, DRKO Durika, EDBA Buenos Aires, LCR2 La Lucha 2, CVTR Volcan Turrial, HDC Heredia.

KRNET 02 13:04:44.9-0.1, 41.19N-71.69E, h13km, mb2.2

NNC 02 13:04:45.0-0.8, 41.21N-71.70E, h0km, mb2.6, mpv2.6, Error ellipse: s-maj=6.3km s-min=4.7km az=37.0

ISC 02 13:04:44.6-1.4, 41.18N-71.69E, h0km, mb1.5km, n17, c054/729, 16C-9D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ARK Arkit, ARS Arslanbob, ARSB Arslanbob, BTK Batken, BTK Batken, MTAS Manas, MNAS Manas, MNAS Manas, MNAS Manas, IUG Iuzhnyy, IUG Iuzhnyy, AML Almayashu, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, MRKS Merke, MRKS Merke, ARLS Aral, ARLS Aral, KK31 Karatay Array, EK2S Erkin-Say, UCH Uchter, UCH Uchter, AAK Ala-Archa, AAK Ala-Archa.

ISC 02 13:04:44.9-0.1, 41.19N-71.69E, h13km, mb2.2

ISC 02 13:04:44.6-1.4, 41.18N-71.69E, h0km, mb1.5km, n17, c054/729, 16C-9D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like CCHI Chillan, AGCH Angol, AGCH Angol, TMU Temuco, TMU Temuco, GO06 Curarehue, GO06 Curarehue, LMEL Las Melosas, ROCH El Roble, ROCH El Roble, FCH Farellones, FCH Farellones, CCHI Chillan, AGCH Angol, AGCH Angol, TMU Temuco, TMU Temuco, GO06 Curarehue, GO06 Curarehue, LMEL Las Melosas, ROCH El Roble, ROCH El Roble, FCH Farellones, FCH Farellones.

ISK 02 13:10:10.9-0.3, 8.10S-107.42E, h226km, mb3.9/11, Error ellipse: s-maj=8.7km s-min=4.4km az=151.7

ISCJB 02 13:10:10.9-0.3, 8.10S-107.42E, h226km, mb3.9/11, Error ellipse: s-maj=8.7km s-min=4.4km az=151.7

IDC 02 13:10:10.9-1.0, 7.99S, 122.53E, h206km, 13km, mb3.6/11, mb1 3.8/15, mb1mx3.5/42, mbtmp4.2/15, Error ellipse: s-maj=31.6km s-min=12.8km az=58.0

DJA 02 13:10:12.0-2.0, 4.8, S, 3x12.2E, h219km, 5km, M3.9/13, mb4.1/3, MLV3.8/13

ISC 02 13:10:11.9-0.6, 8.15S-105.00E, h224.5E, 0.07, h226km, n36, c1912/43, mb4.2/18, Flores region

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MMRI Maumere, EDFI Ende, BATI Baumata, BATI Baumata, SOEI Sae Bau, BBSI Bau Bau, BASI Baing, BASI Baing, BKSI Bulukumba, BNSI Bone, PLAI Plampang, SPST Sapat, APST Ampana, FITZ Fitzroy Crossi, FITZ Pacitan, WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, CMAR Chiang Mai Arr, RMAR Ramite, JIRN Jiri, GUN Gumbong, PKI Pulchoki, PKI Pulchoki, DMN Daman, KOLN Koldanda, DANN Dangising, PYUN Piuthan, USRK Ussuriysk Arr, SONM Songino Array, MKAR Makanchi Array, AAK Ala-Archa, PETK Petropavlovsk, ZALV Zalesovo Beam, kurbe Kurchatov Arr, SEY Seymchan, BVAR Borovoye Array.

GUC 02 13:17:53.0-0.4, 36.47S-73.42W, h25km, 4km, ML3.5, Near coast of central Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like CCHI Chillan, AGCH Angol, AGCH Angol, TMU Temuco, TMU Temuco, GO06 Curarehue, GO06 Curarehue, LMEL Las Melosas, ROCH El Roble, ROCH El Roble, FCH Farellones, FCH Farellones.

ISK 02 13:28:25.6, 39.59N-28.89E, h12km, ML2.1/9

ISCJB 02 13:28:26.1-0.6, 39.63N-28.92E, h0.4km, 7km, 6km, Error ellipse: s-maj=8.8km s-min=4.3km az=154.2

DDA 02 13:28:26.8, 39.60N-28.83E, h7km, 5km, ML2.5

ISC 02 13:28:26.1-1.2, 39.60N-28.89E, h0km, mb1.1km, n16, c049/20, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like DURS Dursunbey, DURS Dursunbey, DEMI Demirci, DEMI Demirci, BALB Balikesir, BALB Balikesir, AUBO BOZOYUK, AUBO BOZOYUK, STEP BALIKESIR\_Sava, STEP BALIKESIR\_Sava, CAVI Cavusko, CAVI Cavusko, YALOVA Yalova, EDC Edincik, KULA Kula-Manisa, AKHS Akhisar, AKHS Akhisar, MANT Manisa, MANT Manisa, BORA Eskisehir, MRMT Marmara Adasi, KRKB Karabiga-Canak, GULT Gulveren.

IDC 02 13:30:21.8-1.0, 11.34S-165.57E, h0km, mb4.3/12, mb1 4.5/14, mb1mx4.2/47, mbtmp4.3/14, ML4.3/2, MS3.4/5, Ms1 3.4/5, ms1mx3.2/37, Error ellipse: s-maj=31.0km s-min=17.9km az=134.0

NEIC 02 13:30:23.9-0.6, 11.30S-165.55E, h10km, mb4.4/3, Error ellipse: s-maj=14.9km s-min=12.3km az=120.0

ISCJB 02 13:30:24.0-6.1, 11.40S-165.38E, h0.08, h24km, mb4.2/15, MS3.4/5, Error ellipse: s-maj=12.9km s-min=10.6km az=30.4

ISC 02 13:30:25.7-0.7, 11.35S-165.50E, h24km, n25, c1932/22, mb4.3/15, MS3.3/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara.

IDC 02 13:30:21.8-1.0, 11.34S-165.57E, h0km, mb4.3/12, mb1 4.5/14, mb1mx4.2/47, mbtmp4.3/14, ML4.3/2, MS3.4/5, Ms1 3.4/5, ms1mx3.2/37, Error ellipse: s-maj=31.0km s-min=17.9km az=134.0

NEIC 02 13:30:23.9-0.6, 11.30S-165.55E, h10km, mb4.4/3, Error ellipse: s-maj=14.9km s-min=12.3km az=120.0

ISCJB 02 13:30:24.0-6.1, 11.40S-165.38E, h0.08, h24km, mb4.2/15, MS3.4/5, Error ellipse: s-maj=12.9km s-min=10.6km az=30.4

ISC 02 13:30:25.7-0.7, 11.35S-165.50E, h24km, n25, c1932/22, mb4.3/15, MS3.3/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, HNR Honiara.



CGRP	comp=E,12850um,0.8s	AML	AML		
CGRP	comp=N,13700um,1.0s	AML	AML		
CTI	Castel Tesino	2.08 259 P	Pn	13 36 10.9 +1.0	
CTI	comp=E,4415um,0.5s	AML	AML		
CTI	comp=N,4980um,0.5s	AML	AML		
CTI	comp=E,4415um,0.5s	AML	AML		
CTI	comp=N,4980um,0.5s	AML	AML		
UDBI	Udbina	2.12 157 ePn	Pn	13 36 11.1 +0.8	
UDBI	Wattenberg	2.17 292 P	Sb	13 36 38.9 -0.8	
UDBI	Wattenberg	2.17 292 P	Pb	13 36 13.4 -0.9	
WTTA	comp=N,619nm,0.5s	/Sg	Sg	13 36 44.8 +0.2	
WTTA	Wattenberg	2.17 292 P	Pb	13 36 13.5 -0.8	
WTTA	Wattenberg	2.17 292 ePn	Pb	13 36 13.8 -0.5	
WTTA	Wattenberg	2.17 292 eSg	Pb	13 36 44.4 -0.2	
WTTA	Wattenberg	2.17 292 P	Pb	13 36 13.3 -0.9	
WTTA	comp=E,3285um,0.6s	AML	AML		
WTTA	comp=N,2270um,1.1s	AML	AML		
WTTA	comp=N,2270um,1.1s	AML	AML		
WTTA	comp=E,3285um,0.6s	AML	AML		
MRAK	Mrakovica	2.19 131 ePn	Pn	13 36 11.7 +0.5	
MRAK	Mrakovica	2.19 131 eSb	Sb	13 36 38.2 -0.2	
KOSI	Kohlern	2.22 271 P	Pb	13 36 13.6 -1.5	
KOSI	Kohlern	2.22 271 P	Pb	13 36 13.6 -1.5	
KOSI	comp=E,6920um,0.7s	AML	AML		
KOSI	comp=N,5920um,0.5s	AML	AML		
KOSI	comp=N,5920um,0.5s	AML	AML		
KOSI	comp=E,6920um,0.7s	AML	AML		
ROSI	Roskopf	2.23 283 P	Pb	13 36 13.9 -1.4	
ROSI	Roskopf	2.23 283 P	Pn	13 36 13.6 +1.6	
ROSI	comp=E,4255um,1.0s	AML	AML		
ROSI	comp=N,5600um,1.1s	AML	AML		
ROSI	comp=N,5600um,1.1s	AML	AML		
ROSI	comp=N,5600um,1.1s	AML	AML		
WATA	Walderalm	2.23 294 eP	Pb	13 36 14.4 -0.9	
WATA	Walderalm	2.23 294 Sg	Sg	13 36 47.9 +1.3	
WATA	comp=E,274nm,0.4s				
ABSI	Aberstueckl	2.27 277 P	Pb	13 36 14.4 -1.5	
ABSI	Aberstueckl	2.27 277 P	Pb	13 36 14.4 -1.5	
ABSI	comp=E,9960um,0.6s	AML	AML		
ABSI	comp=N,7395um,0.6s	AML	AML		
ABSI	comp=N,7395um,0.6s	AML	AML		
ABSI	comp=N,7395um,0.6s	AML	AML		
TIH	Tihany	2.31 78 ePn	Pn	13 36 11.1 -1.8	
TIH	Tihany	2.31 78 Sn	Sb	13 36 41.1 -0.4	
APPI	Appiano	2.32 271 P	Pn	13 36 14.7 +1.6	
APPI	comp=E,2320um,1.5s	AML	AML		
APPI	comp=N,4670um,0.7s	AML	AML		
APPI	comp=E,2320um,1.5s	AML	AML		
APPI	comp=N,4670um,0.7s	AML	AML		
TEOL	Teolo	2.32 242 P	Pn	13 36 13.6 +0.5	
TEOL	comp=E,20500um,0.5s	AML	AML		
TEOL	comp=N,21600um,0.7s	AML	AML		
TEOL	comp=N,21600um,0.7s	AML	AML		
TEOL	comp=E,20500um,0.5s	AML	AML		
GEAO	GERESS Array S	2.43 346 ePn	Pn	13 36 14.4 -0.3	
GEAO	Sankt Quirin	2.43 289 eSb	Sb	13 36 17.2 -1.5	
SQTA	Sankt Quirin	2.43 289 ePn	Pb	13 36 54.3 +1.3	
SQTA	comp=E,229nm,0.5s,SNR=125	Sg	Sg	13 36 54.3 +1.3	
GECC	GERESS Array S	2.44 346 ePn	Pn	13 36 14.9 +0.1	
GECC	GERESS Array S	2.44 346 eSb	Sb	13 36 50.1 +1.1	
GECC	GERESS Array S	2.44 346 eP	Pn	13 36 14.9 +0.1	
GECC	GERESS Array S	2.44 346 ePn	Pb	13 36 15.4 +0.6	
GECC	GERESS Array S	2.44 346 eP	Pb	13 36 19.8 +0.9	
GERES	GERESS Array B	2.44 346 ePn	Sb	13 36 50.9 +1.9	
GERES	comp=E,15nm,0.3s,baz=161,slow=14,SNR=362	Lg	Lg	13 36 50.6	
GERES	comp=E,270nm,0.3s,baz=159,slow=28,SNR=36	LR	LR	13 37 31.9	
BLY	Banja Luka	2.51 133 ePn	Pn	13 36 15.4 -0.3	
BLY	Banja Luka	2.51 133 eSb	Sb	13 36 42.4 -0.4	
BLY	Banja Luka	2.51 133 ePn	Pn	13 36 15.3 -0.4	
BLY	Banja Luka	2.51 133 eSb	Sb	13 36 52.7 +1.8	
BLY	Banja Luka	2.51 133 S	Sn	13 36 42.6 -3.8	
BLY	Banja Luka	2.51 133 P	Pn	13 36 14.9 -0.8	
BLY	Banja Luka	2.51 133 eSb	Sb	13 36 46.3 -0.1	
BLY	Banja Luka	2.51 133 P	Pn	13 36 15.3 -0.4	
BLY	comp=E,4375um,0.5s	AML	AML		
BLY	comp=N,2910um,0.4s	AML	AML		
BLY	comp=E,4300um,0.5s	AML	AML		
BLY	comp=N,2965um,0.4s	AML	AML		
BLY	comp=E,4300um,0.5s	AML	AML		
BLY	comp=E,4375um,0.5s	AML	AML		
BLY	comp=N,2910um,0.4s	AML	AML		
MOTA	Moosalm	2.54 291 ePn	Pn	13 36 18.3 +2.1	
MOTA	comp=N,146nm,0.7s,SNR=181	Sg	Sb	13 36 53.8 +1.9	
MODS	Modra-Piesok	2.63 43 eP	Pn	13 36 17.2 -0.1	
MODS	Modra-Piesok	2.63 43 pmax	pmax	13 36 57.4	
MODS	comp=N,1um,0.7s	ePn	Pn	13 36 17.2 -0.1	
MODS	Modra-Piesok	2.63 43 eP	Pb	13 36 23.1 +1.1	
MODS	Modra-Piesok	2.63 43 eSg	Sb	13 36 57.4 -1.9	
MODS	Modra-Piesok	2.63 43 eLg	Lg	13 37 08.5	
FETA	Feichten	2.71 285 ePn	Pn	13 36 21.6 -1.8	
FETA	comp=N,408nm,1.0s,SNR=135	Sg	Sg	13 36 59.5 -2.3	
KHC	Kasperske Hory	2.74 346 ePn	Pn	13 36 18.7 -0.1	
KHC	Kasperske Hory	2.74 346 eSb	Sb	13 36 56.0 -1.4	
KHC	Kasperske Hory	2.74 346 ePn	Pn	13 36 19.5 +0.6	
KHC	Kasperske Hory	2.74 346 eP	Pb	13 36 24.9 +1.0	
KHC	Kasperske Hory	2.74 346 eSg	Sb	13 36 59.3 +1.8	
KHC	comp=N,910nm,0.7s	AMS	AMS	13 37 20.0	
KHC	Kasperske Hory	2.74 346 eP	Pn	13 36 18.7 -0.1	
KHC	Kasperske Hory	2.74 346 e	Pn	13 36 56.0	
KHC	Kasperske Hory	2.74 346 ePn	Pn	13 36 19.4 +0.6	
KHC	Kasperske Hory	2.74 346 P	Pb	13 36 25.9 +1.3	
MOSI	Grossmontoni	2.79 274 P	Pn	13 36 21.8 +2.1	
MOSI	Grossmontoni	2.79 274 AML	AML		
MOSI	comp=E,5165um,0.9s	AML	AML		
MOSI	comp=E,5165um,0.9s	AML	AML		

MOSI	comp=N,8815um,0.6s	AML	AML		
SMOL	Smolence	2.80 42 eP	Pn	13 36 19.6 -0.1	
SMOL	Smolence	2.80 42 ePn	Pn	13 37 02.3 -3.6	
SMOL	Smolence	2.80 42 eP	Pn	13 36 19.6 -0.1	
SMOL	Smolence	2.80 42 eP	Pg	13 36 27.5 -1.0	
SMOL	Smolence	2.80 42 eSg	Pg	13 37 02.6 -2.2	
RETA	Reutte	2.81 292 ePn	Pn	13 36 22.0 +2.2	
RETA	comp=N,90nm,0.8s,SNR=38	Sg	Sg	13 37 03.8 -1.1	
FUR	Furstenfeldgrub	2.81 308 ePn	Pn	13 36 21.7 +1.8	
FUR	Furstenfeldgrub	2.81 308 eSb	Sb	13 36 27.8 -0.9	
MORH	Mrgy, Hungar	2.82 94 ePn	Pn	13 37 04.8 -0.3	
MORH	Mrgy, Hungar	2.82 94 eSb	Sb	13 36 19.1 -0.8	
MORH	Mrgy, Hungar	2.82 94 eSb	Sb	13 36 53.9 -0.1	
MORH	Mrgy, Hungar	2.82 94 ePn	Pn	13 36 18.1 -1.8	
MORH	Mrgy, Hungar	2.82 94 Sn	Sb	13 36 54.1 +0.1	
MAGA	Magasa	2.84 257 AML	AML		
MAGA	comp=N,8075um,0.5s	AML	AML		
MAGA	comp=E,21750um,0.7s	AML	AML		
MAGA	comp=N,8075um,0.5s	AML	AML		
MAGA	comp=E,21750um,0.7s	AML	AML		
KRUC	Moravsky	2.86 25 ePn	Pn	13 36 20.3 -0.1	
KRUC	Moravsky	2.86 25 eSb	Sb	13 37 02.3 +1.5	
KRUC	Moravsky	2.86 25 ePn	Pn	13 36 26.3 +0.4	
KRUC	Moravsky	2.86 25 eP	Sb	13 37 02.5 +1.7	
KRUC	Moravsky	2.86 25 eSg	Sb	13 36 21.2 +0.4	
TREST	Trest	2.88 12 ePn	Pn	13 36 21.2 +0.4	
TREST	Trest	2.88 12 eP	Pn	13 36 21.2 +0.4	
TREST	Trest	2.88 12 ePn	Sb	13 36 22.2 +1.1	
TREST	Trest	2.88 12 eSg	Pg	13 36 29.7 -0.7	
WET	Wetzell	2.90 337 ePn	Pg	13 37 06.4 -1.6	
WET	Wetzell	2.90 337 eSg	Sg	13 36 23.3 +2.0	
WET	Wetzell	2.90 337 ePn	Pn	13 36 23.1 +0.7	
WET	Wetzell	2.90 337 eSg	Sg	13 36 24.1 +2.1	
BRMO	Bormio	2.91 271 P	Pn	13 36 23.3 +2.0	
FUORN	Ofenpass-Fuorn	2.99 274 ePn	Pn	13 36 23.1 +0.7	
FUORN	Ofenpass-Fuorn	2.99 274 P	Pn	13 36 24.1 +2.1	
FUORN	Ofenpass-Fuorn	2.99 274 AML	AML		
FUORN	comp=E,1395um,0.7s	AML	AML		
FUORN	comp=N,1205um,0.6s	AML	AML		
FUORN	comp=N,1205um,0.6s	AML	AML		
FUORN	comp=N,1205um,0.6s	AML	AML		
FUORN	comp=E,1395um,0.7s	AML	AML		
DOB	Doboj	3.02 124 ePn	Pn	13 36 22.8 +0.1	
CORI	Corinaldo	3.06 202 AML	AML		
CORI	comp=E,2743um,0.8s	AML	AML		
CORI	comp=N,5485um,1.2s	AML	AML		
CORI	comp=N,5485um,1.2s	AML	AML		
FSSB	Fossombone	3.07 205 AML	AML		
FSSB	comp=N,5615um,0.5s	AML	AML		
FSSB	comp=E,3970um,0.8s	AML	AML		
FSSB	comp=N,5615um,0.5s	AML	AML		
FSSB	comp=N,5615um,0.5s	AML	AML		
FSSB	comp=E,3970um,0.8s	AML	AML		
VRAC	Vranov	3.13 25 P	Pn	13 36 24.2 -0.1	
VRAC	Vranov	3.13 25 S	Sb	13 37 05.3 -3.6	
VRAC	Vranov	3.13 25 ePn	Pn	13 36 24.0 -0.2	
VRAC	Vranov	3.13 25 eSb	Sb	13 37 09.5 +0.6	
VRAC	Vranov	3.13 25 ePn	Pb	13 36 24.2 -0.1	
VRAC	Vranov	3.13 25 eP	Pb	13 36 30.5 -0.1	
VRAC	Vranov	3.13 25 eSg	Sb	13 37 09.8 +1.0	
VRAC	Vranov	3.13 25 P	Pn	13 36 24.0 -0.2	
VRAC	comp=E,5.1nm,0.3s,baz=21,slow=13,SNR=22	Lg	Lg	13 37 10.3	
VRAC	comp=E,65nm,0.3s,baz=296,slow=13,SNR=5.9	LR	LR	13 37 46.7	
PE3	Peglio	3.15 209 AML	AML		
PE3	comp=E,5980um,0.7s	AML	AML		
PE3	comp=N,4295um,1.4s	AML	AML		
PE3	comp=N,4295um,1.4s	AML	AML		
BERNI	Berninapass	3.16 270 P	Pn	13 36 27.3 +2.5	
JAVC	Velka Javorina	3.16 40 ePn	Pn	13 36 25.1 +0.4	
BUD	Budapest	3.20 70 ePn	Pn	13 36 25.0 -0.1	
BUD	Budapest	3.20 70 Sn	Sb	13 37 03.0 -0.3	
BUD	Budapest	3.20 70 ePn	Pn	13 36 25.3 +0.2	
SFI	Santa Sofia	3.22 218 AML	AML		
SFI	comp=E,2365um,0.9s	AML	AML		
SFI	comp=E,2285um,0.9s	AML	AML		
SFI	comp=N,1400um,0.9s	AML	AML		
SFI	comp=N,1595um,0.9s	AML	AML		
SFI	comp=N,1595um,0.9s	AML	AML		
SFI	comp=N,1400um,0.9s	AML	AML		
SFI	comp=E,2365um,0.9s	AML	AML		
SFI	comp=E,2285um,0.9s	AML	AML		
SFI	comp=N,1400um,0.9s	AML	AML		
SFI	comp=N,1595um,0.9s	AML	AML		
SFI	comp=N,1595um,0.9s	AML	AML		
SFI	comp=N,1400um,0.9s	AML	AML		
SFI	comp=E,2365um,0.9s	AML	AML		
DAVOX	Davos/Dischmat	3.26 277 P	Pn	13 36 29.2 +3.1	
DAVOX	Davos/Dischmat	3.26 277 P	Pn	13 36 29.0 +2.9	
DAVOX	comp=E,15nm,0.3s,baz=103,slow=12,SNR=192	Lg	Lg	13 37 13.7	
DAVOX	comp=E,21nm,0.3s,baz=202,slow=19,SNR=63	Lg	Lg		
DAVOX	Davos/Dischmat	3.26 277 AML	AML		
DAVOX	comp=N,920um,0.8s	AML	AML		
DAVOX	comp=E,805um,0.8s	AML	AML		
DAVOX	comp=N,920um,0.8s	AML	AML		
DAVOX	comp=N,920um,0.8s	AML	AML		
DAVOX	comp=E,805um,0.8s	AML	AML		
DAVA	Damuels	3.33 286 P	Pn	13 36 29.2 +2.2	
DAVA	comp=E,210nm,0.5s,SNR=57	Sg	Sg	13 37 24.7 +3.1	
DAVA	comp=E,253nm,0.7s	Sg	Sg	13 36 29.2 +2.2	
DAVA	Damuels	3.33 286 P	Pn	13 36 29.2 +2.2	
DAVA	Damuels	3.33 286 ePn	Pn	13 36 29.3 +2.2	
DAVA	Damuels	3.33 286 eSg	Pg	13 37 21.8 +0.2	
KOLL	Kolacno	3.33 50 eP	Pn	13 36 26.3 -0.7	
KOLL	Kolacno	3.33 50 ePn	Pn	13 36 26.2 -0	

BRG		ePg	Pg	13 36 57.5 -1.9	BNI	Bardonecchia	5.71 258	ePn	Pn	13 37 01.4 +1.5	GIVF		eSn	Sn	13 38 42.2 -5.8		
HASLI	Hasliberg/Brie	4.44 276	l/Pn	Pn	13 36 44.4 +2.0	MBDF	Montbardon	5.76 255	ePn	Pn	13 36 59.9 -0.5	GIVF		eSg	Sg	13 39 29.2 -4.6	
ACHB	Acheberg	4.47 287	l/Pn	Pn	13 36 43.8 +1.2	MBDF		eSn	Sn	13 38 03.1 -3.5	TIP	Timpagrande	7.47 167	ePn	Pn	13 37 24.7 -0.9	
FIESA	Fiescheralp	4.48 272	l/Pn	Pn	13 36 45.8 +2.9	comp=E.86nm,0.5s					Timpagrande		7.47 167	l/Pn	Pn	13 37 23.5 -0.4	
UPM	Unac-Piva	4.49 135	ePn	Pn	13 36 42.9 -0.1	MBDF	Montbardon	5.76 255	eSn	Sn	13 36 59.9 -0.5	WTSS	Winterswijk	7.49 320	ePn	Pn	13 37 25.5 +1.5
UPS	Udvibare	4.50 120	ePn	Pn	13 36 42.1 -0.9	MBDF		eSn	Sn	13 36 59.9 -0.5	comp=Z.77nm,1.2s						
DIVS	Divibare	4.50 120	ePn	Pn	13 37 30.5 -4.9	MBDF	Montbardon	5.76 255	ePn	Pn	13 36 59.9 -0.5	WTSS		eSn	Sn	13 38 58.9 +1.0	
DIVS	Divibare	4.50 120	l/Pn	Pn	13 36 42.5 -0.6	MBDF		e		13 38 03.1	BMRD	Maredsous	7.57 304	pP	Pn	13 37 22.7 +2.5	
DIVS	Divibare	4.50 120	l/Pn	Pn	13 36 42.3 -0.7	BOVS	Bovan	5.79 117	ePn	Pn	13 36 59.9 -0.9	BMRD		S	Pn	13 37 33.2 +0.7	
DIVS			Sn	13 37 33.2 -2.2	BOVS	Bovan	5.79 117	ePn	Pn	13 36 59.9 -0.9	BMRD		S	Pn	13 38 50.4 -0.6		
KSP	Ksiaz	4.51 14	ePn	Pn	13 36 42.8 -0.3	ABH	Alteburg	5.81 308	P	Sn	13 37 02.0 +1.1	DOU	Dourbes	7.58 302	S	Pn	13 37 27.1 +1.8
KSP	Ksiaz	4.51 14	ePn	Pn	13 36 42.1 -0.9	ABH		S	Sn	13 38 02.2 +0.5	DOU		l/S	Sn	13 38 50.4 -0.8		
FBE	Freiberg	4.52 350	ePn	Pn	13 36 43.5 +0.3	HAU	Haudompre	5.81 288	ePn	Sg	13 37 00.8 -0.3	SSF	Saint Saulge	7.63 278	ePn	Sn	13 37 26.2 -0.2
BRYZ	Chaisacher	4.55 286	l/Pn	Pn	13 36 44.9 +1.1	HOU		eSg	Sg	13 38 37.9 -3.5	SSF		eSn	Sn	13 38 47.6 -4.9		
BRYL	Bratogost	4.55 140	l/Pn	Pn	13 36 45.2 +1.3	comp=E.379nm,0.9s						comp=Z.18nm,0.6s					
BRYL			Sn	13 37 39.3 +2.4	HOU	Haudompre	5.81 288	ePn	Sg	13 37 00.8 -0.3	SSF	Saint Saulge	7.63 278	ePn	Pn	13 37 26.2 +0.2	
SIMPL	Simplonpass	4.55 269	l/Pn	Pn	13 36 45.6 +1.7	HOU		eSg	Sg	13 38 37.9 -3.5	SSF		eSn	Sn	13 38 47.6 -4.9		
MOX	Moxa	4.61 336	P	Pn	13 36 45.0 +1.1	HOU	Haudompre	5.81 288	ePn	Sg	13 37 00.8 -0.3	SSF	Saint Saulge	7.63 278	ePn	Pn	13 37 26.2 +0.2
MOX	Moxa	4.61 336	ePn	Pn	13 36 45.4 +0.8	GZR	Gura Zlata	5.81 98	l/Pn	Pn	13 37 00.5 -0.6	SSF		ePn	Pn	13 38 47.6	
MOX			eSg	Sg	13 36 40.1 -2.6	GZR	Gura Zlata	5.81 98	S	Sn	13 38 05.1 -2.8	YAV	Valandovo	7.73 129	iPn	Pn	13 37 28.8 +1.4
MMK	Mattmark	4.61 267	l/Pn	Pn	13 36 46.2 +1.4	SURF	Saint Ours	5.82 253	ePn	Pn	13 37 02.4 +1.1	AVF	Avril sur Loir	7.74 276	ePn	Pn	13 37 27.2 -0.3
TREB	Treblinje	4.62 143	eSn	Sn	13 36 47.3 -1.1	SG1	SGolgers (BA)	5.84 164	Sn	Sn	13 37 01.2 -0.2	AVF	Avril sur Loir	7.74 276	ePn	Pn	13 37 27.2 -0.3
BFO	Black Forest	4.63 296	ePn	Pn	13 36 45.6 +0.8	SG1		S	Sn	13 38 05.3 -3.1	BAIF	Baives	7.79 301	ePn	Pn	13 37 30.6 +2.4	
BFO	Black Forest	4.63 296	ePn	Pn	13 36 45.6 +0.8	CABF	La Chapelle	5.87 274	ePn	Sg	13 37 02.5 +0.7	BAIF		ePn	Pn	13 37 30.6 +2.4	
BFO	Black Forest	4.63 296	l/Pn	Pn	13 36 45.6 +0.8	CABF		eSg	Sg	13 38 40.0 -3.0	comp=Z.90nm,1.0s			eSg	Sg	13 38 48.3 -8.2	
PFP	Piancastagn	4.63 296	ePn	Pn	13 36 45.7 +0.8	comp=E.424nm,1.2s						BAIF	Baives	7.79 301	ePn	Pn	13 37 30.6 +2.4
PCP	comp=N.504um,0.8s		AML	AML		CABF	La Chapelle	5.87 274	ePn	Sg	13 37 02.5 +0.7	BAIF		eSg	Sg	13 39 39.2 -5.6	
PCP	comp=E.461um,1.2s		AML	AML		CABF		eSg	Sg	13 38 40.0 -3.0	BAIF	Baives	7.79 301	ePn	Pn	13 38 48.3 -8.2	
PCP	comp=N.504um,0.8s		AML	AML		CABF	La Chapelle	5.87 274	ePn	Pn	13 37 02.5 +0.7	BAIF	Baives	7.79 301	ePn	Pn	13 37 30.6 +2.4
PCP	comp=E.461um,1.2s		AML	AML		GTGG	Gvttingen	5.91 331	ePn	Pn	13 37 04.6 +2.3	BAIF	Baives	7.79 301	ePn	Pn	13 39 39.2 -5.6
TRUS	Trudelj	4.68 117	ePn	Pn	13 36 44.7 -0.8	FASA	Fasano	6.01 160	ePn	Pn	13 37 05.6 +1.9	BAIF	Baives	7.79 301	ePn	Pn	13 37 30.6 +2.4
EMBD	Embd, Mattereda	4.69 269	l/Pn	Pn	13 36 47.8 +2.2	OGAG	Argentiere	6.01 253	P	Sn	13 37 04.2 +0.3	BAIF		ePn	Pn	13 38 48.3 -8.2	
BFO	Black Forest	4.72 290	P	Sn	13 36 45.6 +0.8	OGAG		S	Sn	13 37 03.6 -0.4	LASF	Ste Croix	7.94 256	ePn	Pn	13 37 30.3 0.0	
KIZ	Kirchzarten	4.72 290	l/Pn	Pn	13 36 47.5 +0.6	MATE	Matera	6.03 164	l/Pn	Pn	13 37 03.6 -0.4	LASF		ePn	Pn	13 38 55.1 -5.0	
KIZ	Kirchzarten	4.72 290	P	Pn	13 36 48.5 +1.6	MATE	Matera	6.03 164	S	Sn	13 38 10.3 -2.7	LASF	Ste Croix	7.94 256	ePn	Pn	13 37 30.3 0.0
OPP	Oppenau	4.79 297	P	Pn	13 37 43.2 +0.8	ZAGS	Zajecar	6.03 114	ePn	Pn	13 37 05.8 +1.8	LASF		ePn	Pn	13 38 55.1 -5.0	
OPP			S	Sn	13 36 48.2 +1.1	KOE	Koepel	6.03 313	ePn	Pn	13 37 05.8 +1.8	SNF	Senefte	7.94 304	P	Pn	13 37 30.9 0.0
BALST	Balsthal	4.80 283	l/Pn	Pn	13 36 50.1 +2.7	THF	They Montfort	6.10 230	ePn	Pn	13 37 05.8 +1.8	SNF		pP	Pn	13 37 32.6 +2.4	
LKBD2	Leukerbad	4.80 271	l/Pn	Pn	13 36 49.9 +2.5	BGG	Burgzuz	6.10 310	ePn	Pn	13 37 08.5 +1.1	MLR	Muntele Rosu	7.97 93	l/Pn	Pn	13 37 30.9 +0.5
WIMIS	Wimisis	4.81 271	l/Pn	Pn	13 36 49.9 +2.5	OG35	Corcelles	6.27 269	P	Pn	13 37 08.7 +1.1	MLR	Muntele Rosu	7.97 93	l/Pn	Pn	13 37 31.2 +0.4
LKBD	Leukerbad	4.81 271	l/Pn	Pn	13 36 49.9 +2.5	KWP	Kalwaria Pacia	6.29 57	ePn	Pn	13 37 08.7 +1.1	MLR	Muntele Rosu	7.97 93	l/Pn	Pn	13 37 32.1 +1.3
NKY	Niksic	4.83 138	l/Pn	Pn	13 36 48.9 +1.3	KWP	Kalwaria Pacia	6.29 57	ePn	Pn	13 37 08.4 +0.8	MLR	Muntele Rosu	7.97 93	l/Pn	Pn	13 37 32.1 +1.3
NIE	Niedzica	4.83 50	ePn	Pn	13 37 43.8 +0.2	KWP	Kalwaria Pacia	6.29 57	ePn	Pn	13 37 08.4 +0.8	MLR	Muntele Rosu	7.97 93	l/Pn	Pn	13 37 32.1 +1.3
NIE			ePn	Pn	13 37 43.8 +0.2	ORIF	Oris-en-Rattie	6.30 259	ePn	Pn	13 38 20.7 +1.1	comp=Z.0.7nm,0.3s,baz=220,slow=8.0,SNR=14			Lg	Lg	13 39 58.2
NIE	Niedzica	4.83 50	ePn	Pn	13 37 43.8 +0.2	ORIF	Oris-en-Rattie	6.30 259	ePn	Pn	13 38 16.2 -3.5	MLR		ePn	Pn	13 41 26.0	
NIE			ePn	Pn	13 37 43.8 +0.2	ORIF	Oris-en-Rattie	6.30 259	ePn	Pn	13 37 10.0 +2.2	comp=Z.142nm,18.9s,baz=274,slow=44			Pn	Pn	13 37 33.0 +0.7
NKME	Niksic	4.85 138	l/Pn	Pn	13 37 46.1 +2.1	ORIF	Oris-en-Rattie	6.30 259	P	Sn	13 38 21.7 +2.0	PYM	Petit Puy Mans	8.08 269	P	Pn	13 37 31.6 -0.8
NKME			ePn	Pn	13 37 46.1 +2.1	ORIF		S	Sn	13 37 10.0 +2.2	BF	Bois d'Agland	8.10 275	ePn	Pn	13 37 31.6 -0.8	
IVAS	Ivanjica	4.90 124	ePn	Pn	13 36 47.7 -0.8	BARJ	Barje	6.32 123	ePn	Pn	13 36 58.3 -1.0	BGF	Bois d'Agland	8.10 275	ePn	Pn	13 37 31.6 -0.8
IVAS			ePn	Pn	13 37 40.4 -4.9	BARS	La Foret Royal	6.32 123	ePn	Pn	13 37 07.4 -0.7	BGF	Bois d'Agland	8.10 275	ePn	Pn	13 37 31.6 -0.8
COLL	Collm	4.94 348	ePn	Pn	13 36 48.4 -0.7	FRF	La Foret Royal	6.34 245	ePn	Pn	13 37 08.8 +0.5	HYF	Humbigny	8.23 280	ePn	Pn	13 37 32.7 -1.5
COLL	Collm	4.94 348	l/Pn	Pn	13 36 49.0 -0.1	FRF		ePn	Pn	13 38 16.1 -4.6	HYF		eSg	Sg	13 37 37.8 +3.6		
CLL			iPg	Pg	13 36 51.6	FRF	La Foret Royal	6.34 245	ePn	Pn	13 37 08.8 +0.5	HYF	Humbigny	8.23 280	eSg	Sg	13 39 53.7 -4.9
CLL			e	Pg	13 37 07.8 -1.6	FRF		ePn	Pn	13 37 08.8 +0.5	HYF		eSg	Sg	13 39 53.7 -4.9		
CLL			e	Pg	13 37 55.0	FRF	La Foret Royal	6.34 245	ePn	Pn	13 38 16.1 -4.6	HYF		eSg	Sg	13 39 53.7 -4.9	
CLL			iSg	Sg	13 38 07.4 -6.0	FRF		ePn	Pn	13 38 16.1 -4.6	HYF		eSg	Sg	13 39 53.7 -4.9		
CLL	comp=Z.1um,1.0s		eSgP	Pn	13 38 12.0	PAGF	Fort de Pagny	6.35 292	ePn	Pn	13 37 08.3 -0.1	CLF	Chambon-Forêt	8.53 285	ePn	Pn	13 37 39.2 +1.0
CLL	comp=N.200nm,27.0s		eSgP	Pn	13 38 12.0	PAGF	Fort de Pagny	6.35 292	ePn	Pn	13 37 08.3 -0.1	TCF	Toulx Ste Croi	8.56 273	ePn	Pn	13 37 38.5 -0.3
CLL	comp=E.1um,19.2s		eSgP	Pn	13 38 12.0	PAGF	Fort de Pagny	6.35 292	ePn	Pn	13 37 08.3 -0.1	TCF		ePn	Pn	13 39 09.8 -5.6	
CLL	Collm	4.94 348	ePn	Pn	13 36 48.4 -0.7	TIR	Tirane	6.39 142	ePn	Pn	13 37 10.5 +1.5	TCF	Toulx Ste Croi	8.56 273	ePn	Pn	13 37 38.5 -0.3
CLL	Collm	4.94 348	ePn	Pn	13 36 49.3 +0.2	HRW	Bad Neuenahr-A	6.39 142	ePn	Pn	13 37 10.5 +1.5	TCF		ePn	Pn	13 39 09.8 -5.6	
BZS	Buzias	4.97 97	ePn	Pn	13 36 48.2 -1.2	AHRW	Walferdange	6.49 302	ePn	Pn	13 37 11.3 +1.0	TCF	Toulx Ste Croi	8.56 273	ePn	Pn	13 37 38.5 -0.3
BZS	Buzias	4.97 97	l/Pn	Pn	13 36 47.9 -1.5	WLF	Walferdange	6.49 302	ePn	Pn	13 37 11.3 +1.0	TCF		ePn	Pn	13 39 09.8 -5.6	
DIX	Grand Dixence	4.99 268	l/Pn	Pn	13 36 52.1 +2.1	WLF	Walferdange	6.49 302	ePn	Pn	13 37 11.3 +1.0	LIT	Litokhoron	8.59 135	ePn	Pn	13 37 39.1 -0.1
SEINJ	San Genin/Sane	5.04 271	ePn	Pn	13 36 51.9 +1.2	WLF	Walferdange	6.49 302	pP	Pn	13 37 12.8 +2.6	LIT	Litokhoron	8.59 135	ePn	Pn	13 37 39.1 -0.1
SEINJ	San Genin/Sane	5.05 271	ePn	Pn	13 36 52.0 +0.4	comp=Z.30nm,0.6s						LIT		ePn	Pn	13 37 42.0 +2.2	
GRUS	Gruza	5.05 119	ePn	Pn	13 37 44.5 -4.4	LMR	La Moure	6.54 244	ePn	Pn	13 37 11.5 +0.5	BSD	Bornholm Skovb	8.65 1	iP	Sn	13 39 41.0 +2.4
GRUS			eSn	Sn	13 36 51.9 +0.9	LMR	La Moure	6.54 244	ePn	Pn	13 37 11.5 +0.5	BSD		ePn	Pn	13 37 42.0 +2.2	
NEUB	Neuenburg	5.08 340	ePn	Pn	13 36 51.4 +0.1	LMR	La Moure	6.54 244	ePn	Pn	13 37 11.5 +0.5	BSD	Bornholm Skovb	8.65 1	ePn	Pn	13 37 42.0 +2.2
OJC	Ojcow	5.11 41	ePn	Pn	13 36 50.9 -0.4	LMR	La Moure	6.54 244	ePn	Pn	13 37 11.5 +0.5	CAF	Calviac	9.00 264	ePn	Pn	13 37 43.6 +0.1
OJC	Ojcow	5.11 41	ePn	Pn	13 36 50.9 -0.4	LMR	La Moure	6.54 244	ePn	Pn	13 37 11.5 +0.5	CAF	Calviac	9.00 264	ePn	Pn	13 37 43.6 +0.1
OJC	Ojcow	5.11 41	ePn	Pn	13 36 50.9 -0.4	LMR	La Moure	6.54 244	ePn	Pn	13 37 11.5 +0.5	CAF	Calviac	9.00 264	ePn	Pn	13 37 43.6 +0.1





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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BEYR, SHAI, KIV0, VEDNO, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like UNBK, JSHD, JAR, JEM, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUR, JIO, JOU, etc.

Code Station Name Azimuth Phase ID Time Res
JCH Chichijima 2.10 106 P ISC h m s ISC
JCY 41nm,0.3s,baz=330,slow=16,SNR=6.2

Code Station Name Azimuth Phase ID Time Res
NEMJ Nemuro 2 1.99 72 P Pn
JSH Shikotan 2.04 287 P Pn

Code Station Name Azimuth Phase ID Time Res
JHK Hitachi 6.37 211 P Pn
JHO Hitachi 6.48 199 P Pn

NIED 02 14:17:00, 42.70N, 143.30E, h116km, Mw6.9 Best double couple: M2.74000x1019 NP1.0x72.00000, 83.00000, lambda=116.00000, NP2.0x278.00000, 887.00000, lambda=89.00000

Code Station Name Azimuth Phase ID Time Res
JSH Shimam 2.29 268 P Pn
LAGR Lagunoyev 2.30 56 P/PN S

Code Station Name Azimuth Phase ID Time Res
JNG Nsaki 7.46 213 P Pn
JRY Ryogami san 1.51 207 P Pn

ISC 02 14:17:32.2, 42.78N, 143.16E, h82km, 10km, mb5.9/46, mb1 6.0/52, mb1mx6.0/53, mbtmp6.3/52, MS6.1/44, MS1 6.1/44, ms1mx6.0/51, Error ellipse: s-maj=8.8km s-min=6.3km az=106.0

Code Station Name Azimuth Phase ID Time Res
LAGR 2.21 11 Pn
LAGR 2.14 2m,0.4s Pmax

Code Station Name Azimuth Phase ID Time Res
JNT Takato 7.92 211 P Pn
JGN Niukaw 7.95 216 P Pn

MOS 02 14:17:33.9, 42.70N, 143.13E, h115km, mb6.5/136, Error ellipse: s-maj=4.9km s-min=3.5km az=107.6

Code Station Name Azimuth Phase ID Time Res
YUK Yuzh-Kuril'sk 2.34 57 P/PN S

Code Station Name Azimuth Phase ID Time Res
JODJ Odsaw 8.15 204 P Pn
USRK Ussuriysk Arr 8.24 284 P Pn

MOS Felt (Kuril-V) at Yuzhno-Kuril'sk, Lagunoyev, Goryachiy Plyazh, Golovino, Mendeleyevo; (III-IV) at Krabozavodskoe, Malokuril'skoye, Kuril'sk, Goryachiy Klyuchi, Reydovo; (III) at Kitovyy.

Code Station Name Azimuth Phase ID Time Res
YUK Yuzh-Kuril'sk 2.34 57 P/PN S

Code Station Name Azimuth Phase ID Time Res
JODJ Odsaw 8.15 204 P Pn
USRK Ussuriysk Arr 8.24 284 P Pn

NEIC 02 14:17:34.0, 42.81N, 143.21E, h110km, Moment Tensor Solution. s78 Moment tensor: Scale 10^19Nm; Mn=0.40; Mw=0.52; Mx=0.11; My=2.85; Mz=0.15; Ms=0.15; Best double couple: M2.90000x1019 NP1.0x273.00000, 885.00000, lambda=86.00000, NP2.0x54.00000, 86.00000, lambda=129.00000, Principal axes: T 2.9400, Plg40.0000, Azm359.0000; N 0.1000, Plg8.0000; Azm92.0000; P 2.8400, Plg49.0000; Azm188.0000

Code Station Name Azimuth Phase ID Time Res
YUK Yuzh-Kuril'sk 2.34 57 P/PN S

Code Station Name Azimuth Phase ID Time Res
USRK 8.24 284 P Pn
USRK 8.24 284 P/PN S

NEIC 02 14:17:35.1, 42.77N, 143.09E, h107km, mb6.4/298, ME6.6, MW6.9, MW6.9, MW6.9 Error ellipse: s-maj=2.5km s-min=1.7km az=144.0, Moment Tensor Solution. s122 Moment tensor: Scale 10^19Nm; Mn=0.02; Mw=0.11; Ms=0.13; Mz=2.75; Mx=0.03; My=0.13; Best double couple: M2.80000x1019 NP1.0x273.00000, 890.00000, lambda=90.00000, NP2.0x136.00000, 81.00000, lambda=47.00000, Principal axes: T 2.8200, Plg45.0000, Azm3.0000; N 0.1300, Plg0.0000, Azm273.0000; P 2.6800, Plg49.0000, Azm182.0000; Broadband fault plane solution: P waves: NP1.0x273.00000, 888.00000, lambda=90.00000, NP2.0x88.00000, 88.00000, lambda=90.00000, Principal axes: T Plg47.0000, Azm358.0000; N Plg0.0000, Azm0.0000; P Plg43.0000, Azm178.0000; Apparent Stress 0.41 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

Code Station Name Azimuth Phase ID Time Res
YUK Yuzh-Kuril'sk 2.34 57 P/PN S

Code Station Name Azimuth Phase ID Time Res
USRK 8.24 284 P Pn
USRK 8.24 284 P/PN S

NEIC Ten people injured, Felt [VI] at Kushiro and Obihiro, [IV] at Sapporo and [III] at Asahikawa and Makubetsu, Felt [V] at Misawa and [III] at Chiba, Sendai and Tokyo, Honshu, Felt throughout Hokkaido and northern Honshu, Recorded [5U JMA] in eastern and southeastern Hokkaido.

Code Station Name Azimuth Phase ID Time Res
YUK Yuzh-Kuril'sk 2.34 57 P/PN S

Code Station Name Azimuth Phase ID Time Res
USRK 8.24 284 P Pn
USRK 8.24 284 P/PN S

JMA 02 14:17:35.8, 42.70N, 143.23E, h1102km, Mb6.5 Broadband fault plane solution: P waves: NP1.0x273.00000, 883.00000, lambda=70.00000, NP2.0x16.00000, 821.00000, lambda=160.00000, Principal axes: T Plg35.0000, Azm341.0000; N Plg20.0000, Azm86.0000; P Plg48.0000, Azm199.0000

Code Station Name Azimuth Phase ID Time Res
YUK Yuzh-Kuril'sk 2.34 57 P/PN S

Code Station Name Azimuth Phase ID Time Res
USRK 8.24 284 P Pn
USRK 8.24 284 P/PN S

GCMT 02 14:17:42.1, 42.85N, 143.24E, h105km, MW6.9/151, Moment Tensor Solution. s147 c412; s151 c709; Duration: 7s1 Moment tensor: Scale 10^19Nm; Mn=0.33; Mw=0.67; Mx=0.34; My=0.31; Mz=0.06; Ms=0.21; Best double couple: M3.14000x1019 NP1.0x273.00000, 888.00000, lambda=85.00000, NP2.0x45.00000, 87.00000, lambda=138.00000, Principal axes: T 3.2740, Plg40.0000, Azm359.0000; N 0.3220, Plg5.0000, Azm93.0000; P 2.9540, Plg49.0000, Azm189.0000; nsta1 refers to body waves, cutoff=50s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function

Code Station Name Azimuth Phase ID Time Res
YUK Yuzh-Kuril'sk 2.34 57 P/PN S

Code Station Name Azimuth Phase ID Time Res
USRK 8.24 284 P Pn
USRK 8.24 284 P/PN S

NEIC 02 14:17:50.2, 42.93N, 143.32E, h91km, Moment Tensor Solution. s95 Moment tensor: Scale 10^19Nm; Mn=0.39; Mw=0.67; Mx=0.28; My=0.14; Mz=0.31; Ms=0.11; Best double couple: M3.20000x1019 NP1.0x272.00000, 885.00000, lambda=84.00000, NP2.0x40.00000, 88.00000, lambda=142.00000, Principal axes: T 3.3300, Plg40.0000, Azm357.0000; N 0.2500, Plg6.0000, Azm92.0000; P 3.0700, Plg49.0000, Azm189.0000

Code Station Name Azimuth Phase ID Time Res
YUK Yuzh-Kuril'sk 2.34 57 P/PN S

Code Station Name Azimuth Phase ID Time Res
USRK 8.24 284 P Pn
USRK 8.24 284 P/PN S

ISC 02 14:17:34.8, 42.79N, 143.15E, h105km, 1km, h105km, pP-P, n2689, s1f66/3184, mb6.4/674, 155C-142D, Hokkaido region

Code Station Name Azimuth Phase ID Time Res
YUK Yuzh-Kuril'sk 2.34 57 P/PN S

Code Station Name Azimuth Phase ID Time Res
USRK 8.24 284 P Pn
USRK 8.24 284 P/PN S

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JCH, JCY, JTHR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like UNBK, JSHD, JAR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KUR, JIO, JOU, etc.

Table with columns for station code, frequency, power, and other technical details. Includes stations like SKR, JHIK, KRSR, KSRK, etc.

Table with columns for station code, frequency, power, and other technical details. Includes stations like NJ2, HHC, HHC, etc.

Table with columns for station code, frequency, power, and other technical details. Includes stations like ADK, GSTR, GUMO, ENH, etc.



Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like BVA0, BVAR, PHET, BRVK, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like SIT, JIS, BNSI, KTMG, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like TPI, Tuntingun, BSI, Baunata, etc.







2d 14h

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Table with columns: Station, Name, Az, El, AzM, ElM, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN. Includes stations like HANSEL VALLEY, SNOW KING MOUNTAIN, ASHSHIAH, etc.

Table with columns: Station, Name, Az, El, AzM, ElM, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN. Includes stations like SOFL, SVAN, SNART, etc.

Table with columns: Station, Name, Az, El, AzM, ElM, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN, AzE, ElE, AzS, ElS, AzW, ElW, AzN, ElN. Includes stations like SCER, ULM, LAC DU BONNET, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like NIE, NEDZICA, UPPER BIGHOUSE, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like UPC, UJICE, LTVH, etc.

Table with columns for call sign, frequency, power, and other technical details. Includes entries like SUSD, DEV, EDU, etc.















Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CHOI, CHOU, JHYU, etc.

IDC 02 15:41:59.0-7.5, 16.7135x175.00W, h0km, mb3.9/3, mb1 4.2/3, mb1mx3.7/28, mbtmp3.9/3, Error ellipse: s-maj=329.7km s-min=36.1km az=141.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, ASAR, ILAR.

NEIC 02 15:49:48.9-0.0, 51.500N-178.17W, h18km, ML3.6(AEIC), After AEIC., Andean/Of Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TASE, TAFP, GAEA, etc.

IDC 02 15:51:46.7-4.3, 11.335S-166.06E, h0km, mb3.7/4, mb1 3.9/4, mb1mx3.6/26, mbtmp3.6/4, Error ellipse: s-maj=172.5km s-min=33.9km az=136.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, ASAR, ILAR, MKAR.

MEX 02 15:59:24.2-0.4, 13.711N-92.75W, h11km, 157km, MD3.7, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PCIG, CCIG.

IDC 02 16:03:05.4-0.4, 8.462S-149.28E, h0km, mb3.4/3, mb1 3.5/4, mb1mx3.4/31, mbtmp3.5/5, ML3.0/3, Error ellipse: s-maj=125.8km s-min=37.2km az=106.0, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, ASAR, FITZ, MKAR.

ISCJB 02 16:13:17.9-0.8, 3.69S; 0.05x131.14E; 0.09, h30km, mb3.1/1, Error ellipse: s-maj=13.2km s-min=7.3km az=15.9

IDC 02 16:13:17.3-1.7, 3.70S; 130.92E, h0km, mb3.4/2, mb1 3.7/5, mb1mx3.4/31, mbtmp3.5/5, ML3.0/3, Error ellipse: s-maj=74.6km s-min=23.4km az=86.0

DJA 02 16:13:21.6-1.2, 3.3S; 130.92E, h17km, 18km, M3.7/6, ML3.7/6

ISC 02 16:13:19.0-0.8, 3.82S; 0.06x131.27E; 0.08, h30km, n9, c388/13, Irian Jaya region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FAKI, BANI, SIJU, etc.

IDC 02 16:13:29.8-2.4, 13.73N; 92.63W, h0km, mb3.6/3, mb1 3.8/6, mb1mx3.6/41, mbtmp3.6/6, ML3.1/3, Error ellipse: s-maj=48.3km s-min=26.2km az=26.0

MEX 02 16:13:30.5-0.5, 13.60N; 92.73W, h9km, 266km, MD3.8

ISC 02 16:13:34.7-1.6, 13.07N; 0.2x92.73W; 0.08, h35km, n10, c164/13, mb3.7/3, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like THIG.

Table with columns: PCIG, APG, ACG, etc. Includes stations like El Apazole, Comitan, Matias Romero, etc.

SJA 02 16:21:12.4-0.8, 31.22S; 69.87W, h118km, 10km, ML3.3, MW3.5, San Juan Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AUSP, AMOG, RTVC, etc.

ISCJB 02 16:44:44.0-6.6, 36.57N; 0.04x70.86E; 0.09, h200km, mb3.2/7, Error ellipse: s-maj=10.6km s-min=5.4km az=164.1

IDC 02 16:44:46.8-4.6, 36.60N; 71.23E, h217km, 37km, mb3.1/7, mb1 3.1/12, mb1mx2.9/56, mbtmp3.6/12, Error ellipse: s-maj=38.5km s-min=18.6km az=38.0

NNC 02 16:44:52.0-2.6, 37.08N; 71.13E, h237km, 32km, mb2.3, mp3.6, Error ellipse: s-maj=30.1km s-min=22.4km az=76.0

ISC 02 16:44:46.4-1.0, 36.67N; 0.08x71.1E; 0.1, h200km, n31, c164/32, mb3.2/7, 6C-4D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SFK, AML, MNAS, etc.

IDC 02 17:08:01.5-3.3, 11.45S; 165.96E, h0km, mb3.7/5, mb1 3.9/5, mb1mx3.6/30, mbtmp3.6/5, Error ellipse: s-maj=116.9km s-min=32.4km az=136.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, ASAR, CMAR, etc.

IDC 02 17:08:24.8-9.3, 74.7N; 25.68E, h7km, 1km, ML2.8, ATH 02 17:38:24.8-9.3, 74.7N; 25.68E, h126km, 3km, ML2.0/2, Error ellipse: s-maj=3.3km s-min=1.2km az=237.0

ISK 02 17:38:24.8-9.3, 74.7N; 25.72E, h9km, ML2.2/13

ISCJB 02 17:38:25.1-0.4, 39.71N; 0.02x75.70E; 0.03, h9km, 4km, Error ellipse: s-maj=3.8km s-min=3.5km az=152.3

THE 02 17:38:25.2-3.9, 39.71N; 0.2x75.70E; 0.03, h12km, 1km, ML2.0/3, Error ellipse: s-maj=1.0km s-min=0.4km az=257.0

ISC 02 17:38:24.9-0.9, 39.72N; 0.02x75.68E; 0.02, h14km, 8km, n33, c08/31, Aegean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BOZC, LIA, GADA, etc.

IDC 02 17:08:01.5-3.3, 11.45S; 165.96E, h0km, mb3.7/5, mb1 3.9/5, mb1mx3.6/30, mbtmp3.6/5, Error ellipse: s-maj=116.9km s-min=32.4km az=136.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, ASAR, CMAR, etc.

IDC 02 17:17:15.2-0.4, 4.78S; 152.77E, h0km, mb3.4/5, mb1 3.7/5, mb1mx3.4/31, mbtmp3.4/5, MS3.9/1, Ms1 3.9/1, ms1mx3.3/19, Error ellipse: s-maj=80.5km s-min=24.4km az=124.0, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SIJU, WRA.

Table with columns: ASAR, FITZ, MKAR, ILAR. Includes stations like Alice Springs, Fitzroy Crossi, Makanchi Array, Eielson Array.

KRSC 02 17:18:15.3-0.5, 53.65N; 160.17E, h75km, 7km, ML3.8, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SPN, SPN, KIL, NLC, etc.

IDC 02 17:26:47.2-2.0, 7.45S; 128.59E, h157km, 25km, mb2.8/1, mb1 2.9/5, mb1mx2.8/26, mbtmp3.4/5, Error ellipse: s-maj=25.4km s-min=19.0km az=121.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BATI, SIJU, FITZ, WRA, ASAR, MKAR.

MEX 02 17:37:25.0-0.4, 18.30N; 101.96W, h22km, 29km, MD3.6, Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZIIG, ARIG, CAIG, PLIG.

DDA 02 17:38:24.8-9.3, 74.7N; 25.68E, h7km, 1km, ML2.8

ATH 02 17:38:24.8-9.3, 74.7N; 25.68E, h126km, 3km, ML2.0/2, Error ellipse: s-maj=3.3km s-min=1.2km az=237.0

ISK 02 17:38:24.8-9.3, 74.7N; 25.72E, h9km, ML2.2/13

ISCJB 02 17:38:25.1-0.4, 39.71N; 0.02x75.70E; 0.03, h9km, 4km, Error ellipse: s-maj=3.8km s-min=3.5km az=152.3

THE 02 17:38:25.2-3.9, 39.71N; 0.2x75.70E; 0.03, h12km, 1km, ML2.0/3, Error ellipse: s-maj=1.0km s-min=0.4km az=257.0

ISC 02 17:38:24.9-0.9, 39.72N; 0.02x75.68E; 0.02, h14km, 8km, n33, c08/31, Aegean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BOZC, LIA, GADA, etc.

IDC 02 17:17:15.2-0.4, 4.78S; 152.77E, h0km, mb3.4/5, mb1 3.7/5, mb1mx3.4/31, mbtmp3.4/5, MS3.9/1, Ms1 3.9/1, ms1mx3.3/19, Error ellipse: s-maj=80.5km s-min=24.4km az=124.0, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SMTH, SIJU, WRA.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GELI, LPK, ENEZ, ERIK, ALN, etc.

DDA 02 17:56:29.9, 39.14N, 29.02E, h7km, 1km, ML2.7
ISCJB 02 17:56:30.8, 0.5, 39.09N, 0.04, 29.02E, 0.04, h11km, 4km,
Error ellipse: s-maj=7.0km s-min=4.8km az=159.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SMAA, SMAA, SHAP, SHAP, DEMI, DEMI, etc.

IDC 02 18:11:09.6, 5.7, 17.62N, 81.85W, h0km, mb3.2/2,
mb1 3.8/2, mb1mx3.3/3, mbtmp3.2/2, Error ellipse:
s-maj=275.2km s-min=50.8km az=54.0, North of Honduras

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TXAR, NVAR, WRA, ASAR, etc.

NEIC 02 18:16:51.5, 0.0, 19.89N, 67.60W, h56km, MD3.1 (RSPR),
After RSPR.
RSPR 02 18:16:51.5, 19.89N, 67.60W, h56km, MD3.1/9,
7C-3D, Mona Passage

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AGPR, AGPR, IDE, IDE, AGP, AGP, etc.

ISCJB 02 18:21:34.4, 0.6, 44.21N, 0.07, 105.32W, 0.07, h0km, Error
ellipse: s-maj=9.5km s-min=7.7km az=0.1

IDC 02 18:21:37.0, 1.1, 44.41N, 105.78W, h0km, mb1 3.3/5,
mb1mx3.2/48, mbttmp2.9/5, ML2.3/0.5, Error ellipse:
s-maj=29.4km s-min=14.3km az=143.0

NEIC 02 18:21:36.1, 0.6, 44.19N, 105.33W, h0km, ML2.9, Error
ellipse: s-maj=9.4km s-min=7.2km az=177.0, Suspected
Mining explosion.

NEIC 18 km [11 miles] SE of Gillette.
ISC 02 18:21:35.8, 0.9, 44.17N, 0.07, 105.29W, 0.07, h0km, n15,
e1507/15, Wyoming

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RSSD, RLMT, BW06, PDAR, etc.

IDC 02 18:27:26.1, 1.7, 39.89N, 142.78E, h0km, mb3.6/4,
mb1 3.6/7, mb1mx3.4/40, mbttmp3.6/7, ML2.5/3, Error
ellipse: s-maj=47.3km s-min=20.5km az=78.0

JMA 02 18:27:27.0, 1.0, 0.07N, 142.37E, h21km, 1km, M3.3
ISC 02 18:27:30.7, 1.4, 39.98N, 0.03, 142.15E, 0.08, h24km, 8km,
n23, e191/23, mb3.7/4, Near east coast of eastern
Honduras

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station JTH Tanohata.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JTH, JKEN, JKEN, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H1N2, H1N1, H1N3, H1S1, etc.

NEIC 02 18:31:00.29, 40N, 142.50E, h5km, Mw5.7 Best double
couple: M3.38000x1017 NP1.05152.00000, e3.100000,
.766.00000. NP2.0356.00000, e81.00000, .94.00000.

JMA 02 18:31:31.7, 0.3, 29.33N, 142.13E, h0km, mb5.1/34,
mb1 5.2/38, mb1mx5.2/41, mbttmp5.2/38, ML2.8/2, MS5.2/28,
MS1 5.2/28, ms1mx4.9/61, Error ellipse: s-maj=12.2km
s-min=8.4km az=90.0

MOS 02 18:31:32.5, 1.0, 29.32N, 141.94E, h2km, mb5.7/125,
MS5.2/53, Error ellipse: s-maj=6.1km s-min=3.5km
az=113.8

NEIC 02 18:31:34.7, 29.43N, 141.97E, h45km, mb5.3/68, mb5.2/76,
MS5.6/88, MS7 5.3/84

CGMT 02 18:31:37.6, 0.3, 29.35N, 142.24E, 0.03, h30km, 1km,
Mw5.6/83, Moment Tensor Solution, .29, c32, s83, c104;
Duration: 155 Moment tensor: Scale 1017N;
M2.63; 19; M3.0.46; 10; M4.2.17; 11; M5.0.29; 17;
M6.0.61; 06; M7.1.58; 13; Best double couple:
M2.95800x1017 NP1.0356.00000, e61.00000,
.12.00000. NP2.0356.00000, e81.00000, .766.00000.
Principal axes: T 3.1610, Plg17.00000, Azm293.00000;
N -0.4020, Plg10.00000, Azm177.00000; P -2.7550,
Plg15.00000, Azm77.00000; nsta1 refers to body waves,
cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 02 18:31:32.7, 0.5, 29.37N, 142.01E, 0.03, h14km, 3km,
h1km, comp=P, n1388, e1844/32, mb5.5/52, MS5.4/185,
90C-57D, Southeast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CBJJ, JCC, JCC, etc.

JMKM Mikurajamisanj 4.96 336 P Pn 18 32 48.2 +1.5

JIE Ise 6.74 319 eS Pn 18 33 18.9 +0.1

JNY Tanabekakech 7.03 311 eS Pn 18 33 18.7 +3.5

JRY Ryogami san 7.12 339 P Pn 18 33 18.4 +1.9

INU Inuyama 7.30 326 ePn Pn 18 33 21.6 +2.6

MJAR Matsushiro Arr 7.83 337 Pn Pn 18 33 27.6 +1.4

MJAR Matsushiro 7.83 337 Pn Pn 18 34 52.9 -1.7

MAJO Matsushiro 7.83 337 ePn Pn 18 33 28.7 +2.5

MAJO Matsushiro 7.83 337 eS Pn 18 34 52.9 -1.8

MAJO Matsushiro 7.83 337 ePn Pn 18 33 28.7 +2.5

MAT Matsushiro 7.83 337 eS Pn 18 34 52.9 -1.9

MJBJS Mats-Tunnel 7.83 337 ePn Pn 18 33 28.5 +2.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YUK, YUK, YUK, etc.

MYS Mys Shuitsa 15.82 329 fP Pn 18 35 15.4 +0.5

GUAM Guam 15.93 170 fP Pn 18 35 16.6 +0.1

VLA Yezhovsk Ternei 16.21 346f eS Pn 18 35 17.2 +0.6

YESS Yuzh-Sakhalins 17.57 2 ePn Pn 18 35 36.9 -0.1

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 35 37.5 -0.5

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 38 44.8 -7.5

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 35 36.9 -0.1

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 35 37.5 -0.5

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 38 44.8 -7.5

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 35 36.9 -0.1

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 35 37.5 -0.5

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 38 44.8 -7.5

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 35 36.9 -0.1

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 35 37.5 -0.5

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 38 44.8 -7.5

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 35 36.9 -0.1

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 35 37.5 -0.5

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 38 44.8 -7.5

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 35 36.9 -0.1

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 35 37.5 -0.5

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 38 44.8 -7.5

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 35 36.9 -0.1

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 35 37.5 -0.5

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 38 44.8 -7.5

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 35 36.9 -0.1

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 35 37.5 -0.5

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 38 44.8 -7.5

YESS Yuzh-Sakhalins 17.57 2f eS Pn 18 35 36.9 -0.1

2d 18h

Table with columns for flight codes (e.g., QZH, KLR, TYV), destinations (e.g., Quanzhou, Kul'dur, Tymovskoe), times, and status indicators (e.g., P, S, Pmax).

2013 FEB

Table with columns for flight codes (e.g., HHC, ENH, BTO, XAN), destinations (e.g., HHC, Enshi, Baotou, Xi'an), times, and status indicators (e.g., P, S, Pmax).

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Table with columns for flight codes (e.g., BOD, MRSI, RABL, SANI), destinations (e.g., Bodaibo, Marisa, Rabaul, Sanana), times, and status indicators (e.g., P, S, Pmax).





2d 18h

Table with columns: Call Sign, Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, and other technical details. Includes stations like TKM2, MLY, TRF, RC01, KSH, HON, SEW, KZA, KBK, KNTN, CHMS, PMR, MBWA, BWN, COLD, GHO, FRU1, FRU2, USP, DDI, BTLS, BTLS, BTLS, MCK, AAK, AAK, AAK, AAK, RND, RND, UCH, KNK, SML, SML, BRZS, BRZS, BRZS, MDM, WRH, SML, SML, EKS2, TCOL, COLA, COLA, COLA, JBP, SCM, SCM, DHY, AML, OTUK, GLI, POKR, DHRM, HDA, IL1, ILAR, ILAR, ILAR, ILB, SFK, SFK, KLU.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, and other technical details. Includes stations like ARSB, DIV, EYAK, BVA0, DZM, DZM, MNAS, MNAS, BRVK, BRVK, BRVK, PAX, PAX, PRP, MARN, HARP, FYU, RIDG, NGP, DGP, POHA, SCRK, DZA, DZA, KHU, KHU, WRMH, BHPL, KK31, KK31, KKAR, KKAR, NIL, NIL, NIL, IUG, IUG, IUG, MSVF, GAR, GAR, GAR, HYB, HYB, HYB, PCA, DAWY, MDRS, CHGR, COCO, ARMA, HYT, KBL, KBL, STKA, STKA, INK, INK, INK, FOR, SVE, SVE, SVE, SVE, PALK, PALK, PALK, WHY, BESE, SIT, SIT, SIT, BBOO, JIS, POO, POO.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, Azimuth, Elevation, SNR, and other technical details. Includes stations like ARU, ARU, ARU, ARU, MORW, AB31, AB31, ABKAR, XMAS, CRAG, WRAK, WRAK, GOA, GOA, TRD, BHJ, BHJ, AKTO, AKTO, DLBC, DIB, CAN, CAN, NWA0, NWA0, NWA0, NWA0, TOO, TOO, KIRV, BBB, PRGR, PRGR, HOPEN, SPA0, SPA0, GEYT, GEYT, GYA0B, KBS, KBS, KBS, HSPB, LVZ, LVZ, LVZ, RAO, RAO, RES, RES, RES, APA, APA, YKWS, YKA, YKB5, KLMR, KLMR, KLMR, KEV, KEV, KEV, KEV, HAMF, AR00, AR00, AR00, AR00, AREO, AREO, AREO, PGC, LLLB, NLWA, A04D, TAU, TAU, TAU, TAU, KTK1, B05A, D04E, TULEG.

F04D	Rainier, OR	72.69	47	P	P	18 42 59.8	-0.3	comp=Z,72nm,1.2s	NEW	Newport	75.34	43	P	P	18 43 14.9	-0.7	PNTR	Pine Nut	78.04	52	eP	P	18 43 32.2	+1.0
E04D	Cinebar	72.77	46	P	P	18 43 00.1	-0.4	baz=294	NEW	Whiskeytown Da	75.34	52	eP	P	18 43 15.7	0.0	MLZ	Mavora Lakes	78.09	162	eP	P	18 43 31.3	+0.4
G03D	McMinnville, O	72.89	47	P	P	18 42 59.9	-1.3	baz=294	WDC	Whiskeytown Da	75.34	52	eP	P	18 43 15.7	0.0	SUMC	Summit	78.33	0	eP	P	18 43 33.9	+1.4
I02D	Swisshome	72.96	49	P	P	18 43 01.7	-0.1	comp=Z,136nm,1.3s	WDC	Whiskeytown Da	75.34	52	eP	P	18 43 15.7	0.0	SUMC	Summit	78.33	0	iP	P	18 43 34.4	+1.9
COR	Corvallis	73.12	48	eP	P	18 43 04.0	+1.3	baz=294	O02D	Mt. Diablo	75.35	52	P	P	18 43 14.9	-1.0	SUMC	Summit	78.33	0	iP	P	18 43 34.4	+1.9
TRO	Tromso	73.12	342	eP	P	18 43 03.1	+0.8	comp=Z,136nm,1.3s	FAQ	Al Faqa, Dubai	75.36	290	P	P	18 43 16.7	+0.6	YERR	Yerrington	78.32	52	eP	P	18 43 34.8	+1.4
KEBM	Edson Butte	73.15	50	eP	P	18 43 03.4	+0.3	comp=Z,152nm,1.0s	FAQ	Al Faqa, Dubai	75.36	290	P	P	18 43 15.5	-0.6	WAKR	Walker	78.42	52	eP	P	18 43 33.8	+1.4
LOH	Longmire	73.16	46	eP	P	18 43 02.9	-0.1	comp=Z,28nm,1.0s	BKZ	Black Stump Fm	75.38	153	eP	P	18 43 15.5	-0.6	SOC	Sochi	78.45	314	cIP	P	18 43 33.8	+0.6
LOH	Longmire	73.16	46	eP	P	18 43 02.9	-0.1	comp=Z,28nm,1.0s	E09A	Wood Farm, Sta	75.53	45	eP	P	18 43 17.7	+0.9	SOC	Sochi	78.45	314	cIP	P	18 43 33.8	+0.6
LOH	Longmire	73.16	46	eP	P	18 43 02.9	-0.1	comp=Z,28nm,1.0s	KULLO	Kullorsuaq	75.54	5	iP	P	18 43 16.8	+0.6	SOC	Sochi	78.45	314	cIP	P	18 43 33.8	+0.6
J01E	Myrtle Point	73.30	50	P	P	18 43 03.8	0.0	comp=Z,28nm,1.0s	KULLO	Kullorsuaq	75.54	5	iP	P	18 43 16.8	+0.6	SOC	Sochi	78.45	314	cIP	P	18 43 33.8	+0.6
DAG	Danmarks Havn	73.43	355	iP	P	18 43 05.0	+1.0	comp=Z,28nm,1.0s	LOF	Lofoten	75.58	342	eP	P	18 43 17.0	+0.4	SOC	Sochi	78.45	314	cIP	P	18 43 33.8	+0.6
DAG	Danmarks Havn	73.43	355	iP	P	18 43 05.0	+1.0	comp=Z,28nm,1.0s	G06A	Pilot Rock	75.59	46	eP	P	18 43 17.6	+0.3	SOC	Sochi	78.45	314	cIP	P	18 43 33.8	+0.6
DAG	Danmarks Havn	73.43	355	iP	P	18 43 05.0	+1.0	comp=Z,28nm,1.0s	G0F	Gofitsoyke	75.65	314	iP	P	18 43 18.9	+1.5	SOC	Sochi	78.45	314	cIP	P	18 43 33.8	+0.6
I03D	Drain, OR	73.46	49	P	P	18 43 03.8	-1.0	comp=Z,52nm,1.0s	HOPS	Hoiland Field	75.67	53	eP	P	18 43 18.6	+0.9	WHZ	Wether Hill Ro	78.52	162	eP	P	18 43 32.9	-0.4
H04D	Lebanon	73.51	48	P	P	18 43 04.7	-0.4	comp=Z,52nm,1.0s	I07A	Izsee	75.79	47	eP	P	18 43 19.3	+0.9	NSS	Nassos	78.63	340	eP	P	18 43 34.5	+0.8
LTY	Liberty	73.65	45	eP	P	18 43 05.7	-0.2	comp=Z,52nm,1.0s	FI01	FINESSE Array S	75.84	334	eP	P	18 43 18.7	+0.5	RYN	Ryan	79.00	52	eP	P	18 43 37.1	+0.6
VRH	Novokhopovsk	73.67	320	eP	P	18 43 06.0	+0.2	comp=Z,52nm,1.0s	FI01	FINESSE Array S	75.84	334	eP	P	18 43 18.7	+0.5	BMN	Battle Mountai	79.01	50	eP	P	18 43 37.3	+0.8
VRH	Novokhopovsk	73.67	320	eP	P	18 43 06.0	+0.2	comp=Z,52nm,1.0s	FI01	FINESSE Array S	75.84	334	eP	P	18 43 18.7	+0.5	KVN	Kaiserville	79.08	51	eP	P	18 43 37.3	+0.3
VRH	Novokhopovsk	73.67	320	eP	P	18 43 06.0	+0.2	comp=Z,52nm,1.0s	FINES	FINESSE Array B	75.85	334	P	P	18 43 18.9	+0.7	KVN	Kaiserville	79.08	51	eP	P	18 43 37.3	+0.3
K02D	White Salmon	73.75	50	P	P	18 43 06.1	0.0	comp=Z,33nm,1.2s	FINES	FINESSE Array B	75.85	334	P	P	18 43 18.9	+0.7	KVN	Kaiserville	79.08	51	eP	P	18 43 37.3	+0.3
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	GDXX	Geysers	75.95	53	eP	P	18 43 21.0	+1.6	MDPB	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	O03E	Paynes Creek	75.97	52	P	P	18 43 18.5	-0.9	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3	MICGM	Minsk	79.15	52	eP	P	18 43 40.5	+3.4
MAK	Makhachkala	73.68	310	eP	P	18 43 03.6	-2.4	comp=Z,70nm,0.8s	NCK	Nalchik	76.01	312	iP	P	18 43 20.8	+1.3								

2d 18h

Table with columns: Station, Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like HANI, FCC, AKASG, etc.

2013 FEB

Table with columns: Station, Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like ERBA, GSC, AKN, etc.

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Table with columns: Station, Name, Frequency, Power, Direction, Azimuth, Elevation, etc. Includes stations like KNB, LEOM, SWSC, etc.

PV05	Paradox Valley	85.61 48 eP	P	18 44 11.2 0.0
ULM	David Mesa, Pa	85.63 48 eP	P	18 44 11.2 -0.1
PV11	Lac du Bonnet	85.63 33 eP	P	18 44 10.9 +0.2
ULM	Lac du Bonnet	85.63 33 P	P	18 44 10.2 -0.6
PV12	Saucer Basin	85.66 48 eP	P	18 44 11.5 0.0
PV03	Paradox Valley	85.67 48 eP	P	18 44 11.3 -0.2
OJCW	Ojcow	85.69 327 eP	P	18 44 11.6 +0.5
OJC	Ojcow	85.69 327 eP	P	18 44 09.6 -1.5
OJC	Ojcow	85.69 327 eP	P	18 44 11.6 +0.5
PV07	Paradox Valley	85.70 48 eP	P	18 44 11.6 -0.1
TRPA	Tarpa	85.72 324 i/P	P	18 44 12.0 +0.8
TRPA	Tarpa	85.72 324 i/P	P	18 44 10.1 -1.2
PV13	Radium Mtn., P	85.74 48 eP	P	18 44 11.6 -0.3
PV02	Paradox Valley	85.77 48 eP	P	18 44 11.4 -0.7
SECR	Paradox Valley	85.79 320 i/P	P	18 44 17.6 +5.9
PV15	Paradox Valley	85.86 48 eP	P	18 44 11.8 -0.7
PV01	Paradox Valley	85.92 48 eP	P	18 44 13.2 +0.4
NIE	Niedzica	85.99 326 eP	P	18 44 13.5 +0.9
NIE	Niedzica	85.99 326 eP	P	18 44 13.5 +0.9
N23A	Red Feather La	86.00 45 eP	P	18 44 13.6 +0.4
N23A	Red Feather La	86.00 45 P	P	18 44 14.2 +1.1
X16A	Lo Mia Camp, P	86.05 53 eP	P	18 44 14.1 +0.7
PHWY	Pilot Hill	86.06 44 eP	P	18 44 11.8 -1.6
VOIR	VOIR	86.11 321 i/P	P	18 44 12.1 -1.2
MTUR	Matau	86.23 321 i/P	P	18 44 26.5 +1.3
MTUR	Matau	86.23 321 i/P	P	18 44 26.5 +1.3
ASF	Jabal al Asfar	86.24 305 P	P	18 44 15.3 +1.0
SGRR	Singureni	86.35 320 i/P	P	18 44 17.9 +3.5
SMCO	Snowmass	86.35 47 eP	P	18 44 14.8 -0.3
ARR	Arges	86.38 321 i/P	P	18 44 15.4 +0.7
214A	Organ Pipe Nat	86.41 55 P	P	18 44 16.5 +1.4
MVCO	Mesa Verde	86.49 49 eP	P	18 44 16.2 +0.7
MVCO	Mesa Verde	86.49 49 P	P	18 44 16.3 +0.7
DRGR	DRGR	86.50 323 i/P	P	18 44 15.7 +0.5
DRGR	DRGR	86.50 323 i/P	P	18 44 15.7 +0.5
LANS	Liptovska Anna	86.57 326 eP	P	18 44 17.2 +1.7
LANS	Liptovska Anna	86.57 326 eP	P	18 44 17.2 +1.7
HUMR	Humele	86.71 320 i/P	P	18 44 14.1 -2.1
OKC	Ostrava-Krasne	86.73 327 eP	P	18 44 16.3 +0.1
OKC	Ostrava-Krasne	86.73 327 eP	P	18 44 16.3 +0.1
OKC	Ostrava-Krasne	86.73 327 eP	P	18 44 16.3 +0.1
OKC	Ostrava-Krasne	86.73 327 eP	P	18 44 16.3 +0.1
W18A	Petrified Fore	86.83 51 eP	P	18 44 18.4 +1.1
W18A	Petrified Fore	86.83 51 P	P	18 44 19.2 +2.0
ISCO	Idaho Springs	86.84 46 eP	P	18 44 18.3 +0.9
ISCO	Idaho Springs	86.84 46 eP	P	18 44 19.1 +1.7
ISCO	Idaho Springs	86.84 46 eP	P	18 44 17.0 0.0
KSP	Ksiaz	86.89 329 eP	P	18 44 17.0 0.0
KSP	Ksiaz	86.89 329 eP	P	18 44 17.0 0.0
X18A	Snowflake	87.01 52 eP	P	18 44 18.6 +0.4
MORC	Moravsky Berou	87.06 328 eP	P	18 44 17.7 -0.2
MORC	Moravsky Berou	87.06 328 i/P	P	18 44 17.9 0.0
MORC	Moravsky Berou	87.06 328 i/P	P	18 44 17.9 0.0
MORC	Moravsky Berou	87.06 328 eP	P	18 44 18.3 +0.4
PSZ	Piszkesteto	87.19 325 eP	P	18 44 18.2 -0.4
PSZ	Piszkesteto	87.19 325 i/P	P	18 44 19.3 +0.7
PSZ	Piszkesteto	87.19 325 i/P	P	18 44 19.3 +0.7
PSZ	Piszkesteto	87.19 325 i/P	P	18 44 18.0 -0.6
CSS	Mathiatis	87.20 309 eP	P	18 44 18.8 0.0
CSS	Mathiatis	87.20 309 P	P	18 44 16.3 -2.5
KRLC	Kraliky	87.20 328 eP	P	18 44 19.9 +1.3
KRLC	Kraliky	87.20 328 eP	P	18 44 19.9 +1.3
DPC	Dobruska-Polom	87.22 329 eP	P	18 44 19.3 +0.6
DPC	Dobruska-Polom	87.22 329 eP	P	18 44 26.8
DPC	Dobruska-Polom	87.22 329 eP	P	18 54 59.9 +1.8
DPC	Dobruska-Polom	87.22 329 eP	P	19 27 10.0
DPC	Dobruska-Polom	87.22 329 eP	P	18 44 19.3 +0.6
DPC	Dobruska-Polom	87.22 329 eP	P	18 44 26.8
DPC	Dobruska-Polom	87.22 329 eP	P	18 54 59.9 +1.8
DPC	Dobruska-Polom	87.22 329 eP	P	19 27 20.0
UPC	Udice	87.25 329 eP	P	18 44 19.2 +0.5
UPC	Udice	87.25 329 eP	P	18 55 02.7 +4.4
UPC	Udice	87.25 329 eP	P	18 44 19.2 +0.5
UPC	Udice	87.25 329 eP	P	18 55 02.7 +4.4
S22A	4UR Ranch, Cre	87.27 48 eP	P	18 44 20.3 +0.9
S22A	4UR Ranch, Cre	87.27 48 eP	P	18 44 20.5 +1.0
VYHS	Vyhne	87.33 326 eP	P	18 44 19.7 +0.5
VYHS	Vyhne	87.33 326 eP	P	18 44 19.7 +0.5
VYHS	Vyhne	87.33 326 eP	P	18 44 19.7 +0.5
GZR	Gura Zlata	87.37 322 i/P	P	18 44 18.9 -0.6
GZR	Gura Zlata	87.37 322 i/P	P	18 44 18.9 -0.6
VLAD	Vladia	87.37 320 i/P	P	18 44 18.9 -0.5
ISP	Isparta	87.43 312 eP	P	18 44 19.9 -0.1
ISP	Isparta	87.43 312 eP	P	18 44 19.9 -0.1
Q24A	Divide	87.63 46 eP	P	18 44 21.4 +0.2
Q24A	Divide	87.63 46 P	P	18 44 21.9 +0.7
TUC	Tucson	87.66 54 eP	P	18 44 21.5 +0.3
TUC	Tucson	87.66 54 eP	P	18 44 21.5 +0.3
TUC	Tucson	87.66 54 eP	P	18 44 21.5 +0.3
TUC	Tucson	87.66 54 P	P	18 44 22.2 +1.0
GHAJ	Ghor Haditha	87.66 305 P	P	18 44 18.8 -2.2
VRAC	Vranov	87.83 328 i/P	P	18 44 21.1 -0.5
VRAC	Vranov	87.83 328 i/P	P	18 44 21.1 -0.5
VRAC	Vranov	87.83 328 eP	P	18 44 21.9 +0.3
BZS	Buzias	87.84 323 i/P	P	18 44 21.1 -0.3
BZS	Buzias	87.84 323 i/P	P	18 44 21.4 -0.3
SUSD	Miller	87.88 39 P	P	18 44 23.6 +1.7
PVCC	Panska Ves	87.88 330 eP	P	18 44 23.7 +1.9
PVCC	Panska Ves	87.88 330 eP	P	19 26 50.0
PVCC	Panska Ves	87.88 330 eP	P	18 44 23.7 +1.9
PVCC	Panska Ves	87.88 330 eP	P	18 44 23.7 +1.9
HERR	Herculan	87.90 322 i/P	P	18 44 21.4 -0.5
JDRJ	Darawesh	87.90 304 P	P	18 44 24.0 +1.6
BRG	Berggiesshubel	87.91 330 eP	P	18 44 22.8 +0.9
BRG	Berggiesshubel	87.91 330 S	SS	18 55 04.0 -0.5
BRG	Berggiesshubel	87.91 330 S	SS	19 00 47.0 -3.5

BRG	Berggiesshubel	87.91 330 eP	P	18 44 22.8 +0.9
BRG	Berggiesshubel	87.91 330 S	SS	18 55 04.0 -0.5
BRG	Berggiesshubel	87.91 330 S	SS	19 00 47.0 -3.5
CLL	Collim	87.99 331 eP	P	18 44 21.8 -0.5
CLL	Collim	87.99 331 i/P	P	18 44 21.9 -0.4
CLL	Collim	87.99 331 i/P	P	18 44 27.0 -2.9
CLL	Collim	87.99 331 eP	P	18 47 49.0 +1.1
CLL	Collim	87.99 331 eP	P	18 48 02.0
CLL	Collim	87.99 331 eP	P	18 54 58.0 -7.3
CLL	Collim	87.99 331 eP	P	19 00 58.0 +6.2
CLL	Collim	87.99 331 eP	P	19 05 42.0
CLL	Collim	87.99 331 eP	P	19 20 00.0
CLL	Collim	87.99 331 eP	P	18 44 21.8 -0.5
PUNG	Punghina	88.00 321 i/P	P	18 44 18.2 -4.3
KRUC	Krusky	88.00 328 eP	P	18 44 23.0 +0.2
SDCO	Great Sand Dun	88.12 47 eP	P	18 44 24.3 +0.7
SDCO	Great Sand Dun	88.12 47 P	P	18 44 24.2 +0.7
MODS	Modra-Piesok	88.16 327 eP	P	18 44 24.5 +1.3
MODS	Modra-Piesok	88.16 327 eP	P	18 44 24.5 +1.3
MODS	Modra-Piesok	88.16 327 eP	P	19 28 10.0
PRU	Pruhonice	88.28 329 eP	P	18 44 23.3 -0.4
PRU	Pruhonice	88.28 329 eP	P	18 44 28.6
PRU	Pruhonice	88.28 329 eP	P	18 55 10.0 +1.9
PRU	Pruhonice	88.28 329 eP	P	19 28 20.0
PRU	Pruhonice	88.28 329 eP	P	18 44 23.3 -0.4
PRU	Pruhonice	88.28 329 eP	P	18 44 28.6
PRU	Pruhonice	88.28 329 eP	P	18 55 10.0 +1.9
MANT	Manisa	88.29 314 eP	P	18 44 23.6 -0.7
OGNE	Ogallala	88.33 43 eP	P	18 44 22.5 -1.7
OGNE	Ogallala	88.33 43 P	P	18 44 25.4 +1.2
TREC	Trest	88.35 328 AMS	AMS	19 28 00.0
ALN	Alexandroupoli	88.36 317 eP	P	18 44 23.8 -0.4
ALN	Alexandroupoli	88.36 317 eP	P	18 44 23.8 -0.4
ALN	Alexandroupoli	88.36 317 eP	P	18 44 23.8 -0.4
VTS	Vitosh	88.91 320 eP	P	18 44 26.5 -0.5
VTS	Vitosh	88.91 320 i/P	P	18 44 26.6 -0.4
VTS	Vitosh	88.91 320 i/P	P	18 44 26.6 -0.4
MORH	Mirgy, Hungar	88.98 325 eP	P	18 44 22.1 -4.9
LAZ	Ladron	89.00 51 eP	P	18 44 28.3 +0.7
ANMO	Albuquerque	89.14 50 eP	P	18 44 29.5 +1.2
ANMO	Albuquerque	89.14 50 i/P	P	18 44 32.1 +3.8
ANMO	Albuquerque	89.14 50 P	P	18 44 29.3 +1.0
ANMO	Albuquerque	89.14 50 LR	LR	19 18 08.8
ANMO	Albuquerque	89.14 50 LR	LR	18 44 28.7 +0.7
KSCO	Kaye Shedlock	89.16 45 eP	P	18 44 29.5 +1.2
KSCO	Kaye Shedlock	89.16 45 eP	P	18 44 29.0 +0.8
T25A	Trinidad	89.18 47 eP	P	18 44 28.2 -0.3
T25A	Trinidad	89.18 47 eP	P	18 44 28.3 -0.1
319A	Douglas	89.24 54 eP	P	18 44 28.6 -0.1
LENM	Leimitar	89.25 51 eP	P	18 44 28.6 -0.2
EYMN	Ely	89.30 33 eP	P	18 44 28.2 -0.3
EYMN	Ely	89.30 33 P	P	18 44 28.6 0.0
KHC	Kasperske Hory	89.34 329 eP	P	18 44 28.5 -0.2
KHC	Kasperske Hory	89.34 329 eP	P	18 44 28.8 +0.1
KHC	Kasperske Hory	89.34 329 eP	P	18 44 33.7
KHC	Kasperske Hory	89.34 329 eP	P	18 44 28.8 +0.1
KHC	Kasperske Hory	89.34 329 eP	P	18 44 33.7
HSIG	Dhams	89.34 57 eP	P	18 44 28.7 -0.4
DAMY	Dhams	89.43 286 eP	P	18 44 29.1 -0.9
BNN	Barren Site	89.49 51 eP	P	18 44 30.2 +0.2
GEC2	GERESS Array S	89.49 329 eP	P	18 44 28.7 -0.8
GEC2	GERESS Array S	89.49 329 eP	P	18 44 28.7 -0.8
GERES	GERESS Array B	89.49 329 eP	P	18 44 29.0 -0.5
GERES	GERESS Array B	89.49 329 eP	P	18 48 00.1 +0.1
GERES	GERESS Array B	89.49 329 eP	P	19 29 21.6
GERES	GERESS Array B	89.49 329 eP	P	18 44 28.8 -0.7
NARS	Narsarsuaq	89.59 4 eP	P	18 44 30.6 +1.0
NARS	Narsarsuaq	89.59 4 eP	P	18 44 30.6 +1.0
NRS	Narsarsuaq	89.59 4 eP	P	18 44 30.6 +1.0
NRS	Narsarsuaq	89.59 4 eP	P	18 44 30.6 +1.0
ECSD	EROS Data Cent	89.62 38 eP	P	18 44 29.8 -0.3
ECSD	EROS Data Cent	89.62 38 P	P	18 44 30.4 +0.3
121A	Cookes Peak, D	89.63 52 P	P	18 44 31.3 +0.7
DIVS	Divbare	89.71 322 eP	P	18 44 30.5 -0.1
ARSA	Arzberg	89.79 327 i/P	P	18 44 31.1 +0.2
MOA	Molin	89.95 328 i/P	P	18 44 32.0 +0.4
GRA1	Grafenberg Arr	89.96 331 eP	P	18 44 32.5 +0.9
GRF	Grafenberg Arr	89.96 331 eP	P	18 44 32.5 +0.9
GRF	Grafenberg Arr	89.96 331 eP	P	18 44 32.2 +0.7
GRFO	Grafenberg	89.96 331 eP	P	18 44 32.2 +0.7
GRFO	Grafenberg	89.96 331 eP	P	18 44 32.2 +0.7
E38A	The Farm, Brul	90.23 34 P	P	18 44 33.3 +0.4
BGNE	Belgrade	90.30 41 P	P	18 44 33.8 +0.4
F37A	Hinrichs Farm,	90.33 35 P	P	18 44 33.5 +0.1
C40A	Isle Royale Na	90.41 32 P	P	18 44 34.1 +0.4
SOKA	Soboth	90.44 327 i/P	P	18 44 33.9 0.0
F38A	Pierce - Schro	90.53 34 P	P	18 44 34.7 +0.4
SPMN	Marine on St.	90.59 35 P	P	18 44 34.2 -0.4

OBKA	Obir	90.79 327 i/P	P	18 44 35.8 +0.2
E39A	Mellen	90.87 33 P	P	18 44 36.0 +0.1
KBA	Koelnbreinsper	90.94 328 i/P	P	18 44 35.2 -1.2
F39A	Loretta	91.03 34 P	P	18 44 37.4 +0.7
CBKS	Cedar Bluff	91.04 43 P	P	18 44 50.0 +1.3
CBKS	Cedar Bluff	91.04 43 P	P	18 44 36.5 -0.4
G38A	Ridgeland	91.10 35 P	P	18 44 37.6 +0.6
MYKA	Terra Mystica	91.13 327 i/P	P	18 44 36.7 -0.5
E40A	Wakfield	91.14 33 P	P	18 44 36.6 -0.5
H38A	Maiden Rock	91.24 35 P	P	18 44 36.4 -1.3
D41A	Chassel	91.31 32 P	P	18 44 38.1 +0.2
G39A	Holcombe	91.36 34 P	P	

2d 18h

Table with columns: Call Sign, Name, Frequency, Power, Mode, Azimuth, Elevation, and other parameters. Includes stations like LSQK, E48A, CHGO, H46A, GLMI, etc.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Power, Mode, Azimuth, Elevation, and other parameters. Includes stations like PAB, CNCC, NHSC, SBA, etc.

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Table with columns: Code, Station Name, Frequency, Power, Mode, Azimuth, Elevation, and other parameters. Includes stations like WRI, WRA, AS31, ASAR, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like ARHZ, WAKE, STKA, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like YSS, QIZ, MYKOM, etc.

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like SEY, LZH, CIT, etc.



Table with columns: ID, Name, RA, Dec, Mag, Type, and other parameters. Includes entries like DECC Green Verdugo, J04D Umpqua Natona, H04D Lebanon, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other parameters. Includes entries like GLA Glamis, GLA Glamis, GLA Glamis, etc.

Table with columns: ID, Name, RA, Dec, Mag, Type, and other parameters. Includes entries like S22A 4UR Ranch, MNXT Cornudas Mount, YKA Yellowknife Ar, etc.

BJJ 02 18:58:04.3, 10:83S:166:00E, h16km, mb5.9/68, mb5.2/58, M56.0/81, M57.5/777
IDC 02 18:58:05.0, 0.3, 10:94S:165:36E, h0km, mb5.1/35, mb1.5/237, mb1mx1.5, mb1mx5.1/37, ML5.5/2, MS5.6/28, Ms1.5.6/28, ms1mx5.5/37, Error ellipse: s-maj=10.8km s-min=9.6km az=114.0
ISCJB 02 18:58:06.0, 0.1, 10:90S:165:23E, h0.02, h12km, mb5.3/344, MS5.8/599, Error ellipse: s-maj=2.8km s-min=2.4km az=141.2
NEIC 02 18:58:06.0, 0.1, 10:89S:165:28E, h6km, mb5.4/275, MS5.7/299, MW6.0, Error ellipse: s-maj=2.6km s-min=2.2km az=134.0, Moment Tensor Solution. s20 Moment tensor: Scale 10^18Nm: M=0.56, Mw=0.45, Mw-1.01, Mw-0.77, Mw-0.82; Best double couple: M=1.40000e+10^18 Nm, NP1=144.00000, 877.00000, 162.00000, NP2=30.00000, 831.00000, 153.00000. Principal axes: T 1.4100, Plg50.0000, Azm22.0000; N 0.0400, Plg28.0000, Azm151.0000; P -1.4500, Plg26.0000, Azm256.0000.
MOS 02 18:58:08.0, 0.0, 10:91S:165:24E, h26km, mb5.4/94, MS5.6/68, Error ellipse: s-maj=6.4km s-min=5.7km az=83.9
GCMT 02 18:58:11.5, 0.1, 11:04S:0:01, 165:19E, 0:01, h12km, Mw=9.127, Moment Tensor Solution. s86, c143, s127, c317. Duration: 2.9s. Moment tensor: Scale 10^18 Nm: M=0.57, Mw=0.21, Mw-0.141, Mw-0.77, Mw-0.38, Mw-0.44, Mw-0.44, Mw-0.82; Best double couple: M=0.98900e+10^18 Nm, NP1=141.00000, 867.00000, 169.00000, NP2=30.00000, 831.00000, 129.00000. Principal axes: T 0.8320, Plg3.0000, Azm18.0000; N 0.3140, Plg19.0000, Azm150.0000; P -1.1460, Plg19.0000, Azm247.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function
ISC 02 18:58:09.8, 0.6, 11:00S:0:04, 165:35E, 0:03, h26km, 3km, m1180, m18.6/893, mb5.4/344, MS5.8/601, 12C-13D, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Residual, and various station identifiers. Includes stations like Honiara, Mare, Loyalty, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Residual, and various station identifiers. Includes stations like STKA, STKA, STKA, etc.

Table with columns: Station Name, Azimuth, Phase, ID, Time, Residual, and various station identifiers. Includes stations like WHZ, RAR, RAR, etc.



GYA	comp=Z,13nm,1.3s	68.08	304	P	PP	19 09 08.2	+0.5
GYA	Guiyang			PP	PP	19 11 41.0	+2.8
GYA				S	S	19 18 10.0	+3.8
GYA				SKS	SKS	19 19 03.0	+0.9
GYA				SS	SS	19 22 31.4	+2.2
GYA				pmax	pmax		
GYA	comp=Z,40nm,0.9s			pmax	pmax		
GYA	comp=Z,530nm,7.5s			LR	LR		
GYA	comp=Z,2um,18.3s			LR	LR		
GYA	comp=Z,3um,21.5s			LR	LR		
CHAI	Chaiyaphum	68.17	292	P	P	19 09 11.7	+3.4
BJT	Baijatuau	68.20	321	eP	P	19 09 07.8	-0.2
BJT	Baijatuau	68.20	321	eP	P	19 09 07.8	-0.2
BJT	Beijing	68.21	321	P	S	19 09 09.6	+1.5
BJI				S	S	19 18 11.0	+4.1
BJI				LR	LR		
BJI				LR	LR		
BJI				LR	LR		
PATY	Pattaya	68.27	289	P	P	19 09 13.4	+4.4
GSJ	Gunungsitoli	68.47	276	eP	P	19 09 09.1	-1.2
GSJ				LR	LR		
KRAB	Krabi	68.53	283	P	P	19 09 14.4	+3.7
UNV	Unalaska Valle	68.88	17	eP	P	19 09 13.0	+1.0
UNV				LR	LR		
TIY	Taiyuan	69.27	317	eP	S	19 09 17.4	+2.5
TIY				S	pmax	19 18 21.5	+1.7
TIY				pmax	pmax		
TIY				LR	LR		
TIY				LR	LR		
TIY				LR	LR		
TIY				LR	LR		
PBKT	Sadao Pong	69.31	292	eP	P	19 09 14.4	-1.0
PBKT	Sadao Pong	69.31	292	P	P	19 09 14.4	+4.0
PHET	Kaeng Krachan	69.42	288	P	P	19 09 20.8	+4.7
XAN	Xi'an	69.81	313	P	P	19 09 17.4	-0.8
XAN				pP	pP	19 09 20.8	-4.9
XAN				PP	PP	19 11 53.6	+0.6
XAN				SS	SS	19 18 27.7	+1.4
XAN				sS	sS	19 18 36.8	+1.2
XAN				SS	SS	19 19 15.6	-2.1
XAN				pmax	pmax	19 22 53.1	-2.4
XAN	comp=Z,28nm,1.0s			pmax	pmax		
XAN	comp=Z,1um,7.6s			LR	LR		
XAN	comp=Z,3um,16.5s			LR	LR		
XAN	comp=Z,3um,19.0s			LR	LR		
XAN	comp=Z,4um,19.5s			LR	LR		
XAN	Xi'an	69.81	313	eP	P	19 09 18.2	0.0
XAN	Xi'an	69.81	313	eP	P	19 09 18.2	0.0
XAN	comp=Z,33nm,1.1s			MLR	MLR		
XAN	comp=Z,5um,20.0s			pmax	pmax		
XAN	comp=Z,33nm,1.1s			MLR	MLR		
SNSI	Sinabang, Aceh	69.93	277	P	P	19 09 19.7	+0.4
LHMI	Lhok Sumawe	69.96	280	eP	P	19 09 19.3	-0.2
UTTA	Utтарadit	70.06	293	P	P	19 09 24.4	+4.4
NANT	Nan	70.28	295	P	P	19 09 24.7	+3.3
SRDT	SRDT	70.32	290	P	P	19 09 25.8	+4.2
UTHA	Uthaitani	70.38	291	P	P	19 09 26.2	+4.2
FALS	False Pass	70.68	19	eP	P	19 09 23.2	+0.1
KMI	Kunming	70.77	302	P	P	19 09 27.5	+3.0
KMI				pP	pP	19 09 29.9	-2.1
KMI				sP	sP	19 09 30.9	-4.0
KMI				S	S	19 18 41.9	+3.7
KMI				SS	SS	19 23 14.9	+3.9
KMI				pmax	pmax		
KMI	comp=Z,58nm,1.3s			pmax	pmax		
KMI	comp=Z,2um,8.8s			LR	LR		
KMI	comp=Z,2um,17.3s			LR	LR		
KMI	comp=Z,3um,20.6s			LR	LR		
KMI	comp=Z,5um,20.6s			LR	LR		
KMI	Kunming	70.77	302	eP	P	19 09 23.2	-1.3
KMI	comp=Z,82nm,1.3s			LR	LR		
KMI	comp=Z,5um,21.0s			LR	LR		
KMI	Kunming	70.77	302	eP	P	19 09 23.2	-1.3
KMI	comp=Z,82nm,1.3s			MLR	MLR		
KMI	comp=Z,5um,21.0s			MLR	MLR		
SUKH	Sukhothai	70.81	293	P	P	19 09 30.2	+5.6
UMPA	Umpang Tak	71.12	291	P	P	19 09 31.4	+4.9
PAYA	Payao	71.21	295	P	P	19 09 31.2	+4.2
MA2	Magadan	71.31	352	eP	P	19 09 26.1	-0.6
MA2	Magadan	71.31	352	eP	P	19 09 26.1	-0.6
MA2	comp=Z,19nm,1.3s			MLR	MLR		
MA2	comp=Z,7um,22.0s			MLR	MLR		
HHC	Hu-ho-hao-te	71.55	320	eP	S	19 09 30.2	+1.4
HHC				S	S	19 18 50.4	+4.0
HHC				SS	SS	19 23 23.5	+1.3
HHC				pmax	pmax		
HHC	comp=Z,16nm,1.3s			pmax	pmax		
HHC	comp=Z,1um,5.8s			LR	LR		
HHC	comp=Z,5um,15.9s			LR	LR		
HHC	comp=Z,3um,16.5s			LR	LR		
CM01	Chiang Mai Arr	71.72	294	eP	P	19 09 29.4	-0.7
CM31	Chiang Mai Arr	71.74	294	eP	P	19 09 29.4	-0.9
CM31	Chiang Mai Arr	71.74	294	eP	P	19 09 32.1	+1.9
CMAR	Chiang Mai Arr	71.74	294	P	P	19 09 30.6	+0.4
CMAR	comp=Z,11nm,1.1s,baz=116,slow=3.8,SNR=21			LR	LR	19 38 42.9	
CMMT	Chiang Mai	71.85	294	P	P	19 09 34.1	+3.2
CHTO	Chiang Mai	71.86	294	eP	P	19 09 29.4	-1.6

CHTO	comp=Z,45nm,1.4s			LR	LR		
CHTO	Chiang Mai	71.86	294	eP	P	19 09 29.4	-1.6
CHTO	comp=Z,45nm,1.4s			MLR	MLR		
CHTO	Chiang Mai	71.86	294	P	P	19 09 34.4	+3.4
CHTO	SNR=11			P	P	19 09 34.4	+3.4
CHTO	Chiang Mai	71.86	294	P	P	19 09 34.2	+3.3
SDPT	Sand Point	72.04	20	P	P	19 09 40.0	+8.8
HIA	Hailar	72.14	331	eP	P	19 09 32.0	-0.1
HIA	Hailar	72.14	331	eP	P	19 09 32.0	-0.1
HIA	Hailar	72.14	331	eP	P	19 09 32.6	+0.5
ZEZ	Zeya	72.15	337	eP	S	19 09 31.3	-0.7
ZEZ				eS	eS	19 18 58.0	+5.4
ZEZ	comp=N,93nm,1.4s			pmax	pmax		
ZEZ	comp=Z,140nm,1.4s			pmax	pmax		
ZEZ	comp=Z,2um,9.0s			pmax	pmax		
ZEZ	comp=E,700nm,6.0s			pmax	pmax		
ZEZ	comp=N,500nm,5.0s			smax	smax		
CD2	Chengdu	72.27	307	P	P	19 09 33.1	-0.2
CD2				PP	PP	19 12 13.4	-0.9
CD2				S	S	19 18 57.6	+2.6
CD2				SS	SS	19 19 38.2	-0.2
CD2				pmax	pmax	19 23 36.2	+2.7
CD2	comp=E,70nm,0.6s			pmax	pmax		
CD2	comp=E,3um,7.6s			LR	LR		
CD2	comp=E,5um,15.9s			LR	LR		
CD2	comp=E,3um,16.4s			LR	LR		
CD2	comp=E,4um,22.9s			LR	LR		
SEY	Seymchan	74.39	354	eP	P	19 09 47.7	+2.7
LZH	Lanzhou	74.44	312	eP	P	19 09 47.8	+1.7
LZH				pP	pP	19 09 50.1	-3.5
LZH				sP	sP	19 09 52.4	-4.0
LZH				pmax	pmax		
LZH	comp=E,320nm,1.2s			pmax	pmax		
LZH	comp=E,2um,4.1s			LR	LR		
LZH	comp=E,7um,19.3s			LR	LR		
LZH	comp=E,5um,18.7s			LR	LR		
LZH	comp=E,8um,18.7s			LR	LR		
PBA	Port Blair	75.56	285	P	P	19 10 00.0	+7.3
OHAK	Old Harbor	76.01	22	eP	P	19 09 54.1	-0.3
GAMB	Gambell	76.59	10	eP	P	19 09 57.3	-0.3
KDAK	Kodiak Island	76.68	22	eP	P	19 09 58.0	-0.2
KDAK	Kodiak Island	76.68	22	eP	P	19 09 58.2	+0.1
KDAK	comp=Z,19nm,1.1s,baz=22,slow=11,SNR=2.3			LR	LR	19 38 32.7	
CIT	Chita	76.93	330	eP	P	19 10 03.0	+3.2
CIT				e	e	19 10 15.1	
CIT				pmax	pmax		
YAK	Yakutsk	77.94	344	eP	P	19 10 06.5	+1.3
YAK				e	e	19 10 14.5	
YAK				ePP	ePP	19 10 17.0	+0.4
YAK				e	e	19 13 00.7	
YAK				eS	eS	19 19 56.9	+0.2
YAK				e'SS	e'SS	19 20 16.5	-0.6
YAK				e	e	19 20 28.6	
YAK				eSS	eSS	19 24 52.7	-5.6
YAK				pmax	pmax		
YAK	comp=Z,136nm,0.9s			pmax	pmax		
YAK	comp=N,36nm,1.0s			pmax	pmax		
YAK	comp=E,39nm,1.5s			pmax	pmax		
YAK	comp=Z,2um,5.3s			pmax	pmax		
YAK	comp=N,2um,4.7s			pmax	pmax		
YAK	comp=E,1um,4.7s			smax	smax		
YAK	comp=E,2um,5.3s			smax	smax		
YAK	comp=N,966nm,4.4s			MLR	MLR		
YAK	comp=Z,22um,18.0s			MLR	MLR		
YAK	comp=N,13um,18.0s			MLR	MLR		
ULN	Ulanbaatar	78.04	324	eP	P	19 10 05.3	-1.0
ULN	Ulanbaatar	78.04	324	eP	P	19 10 05.3	-1.0
ULN	comp=Z,4um,18.0s			LR	LR		
ULN	comp=Z,31nm,1.3s			LR	LR		
SVW2	Sparrevohn	78.19	18	eP	P	19 10 07.2	+0.6
SVW2				LR	LR		
HOM	Homer	78.39	21	eP	P	19 10 08.9	+1.2
SONA0	Songino Array	78.40	324	eP	P	19 10 08.0	-0.3
SONA0				ePP	ePP	19 13 04.5	-1.4
SONM</							

2d 18h

PAX	comp=Z,6.0nm,0.8s	pmx	pmx			
JCC	Jacoby Creek, comp=Z,6.7nm,1.1s	82.88	46	eP	P	19 10 33.6 +1.4
KMRM	Mail Ridge, comp=Z,35nm,0.9s	82.90	47	eP	P	19 10 32.6 +0.1
HOPS	Hopland Field, comp=Z,5.1nm,1.1s	82.93	48	eP	P	19 10 32.2 -0.3
HOPS				LR	LR	
PCA	Pinnacle, comp=Z,4.7nm,1.0s	82.97	24	eP	P	19 10 30.5 -1.9
PCA				LR	LR	
WRH	Wood River Hill, comp=Z,1.2nm,1.0s	83.01	18	eP	P	19 10 31.6 -0.7
WRH				LR	LR	
GDXM	Geysers, comp=Z,4.2nm,1.0s	83.07	48	eP	P	19 10 32.7 -0.7
GDXM				LR	LR	
KHMM	Horse Mountain, comp=Z,4.4nm,1.2s	83.12	46	eP	P	19 10 34.0 +0.3
DHAK	Deception Hill, comp=Z,1.02nm,1.3s	83.23	26	eP	P	19 10 33.8 +0.1
DHAK				LR	LR	
MDM	Murphy Dome, comp=Z,2.7nm,1.8.0s	83.31	18	eP	P	19 10 33.3 -0.7
MDM				LR	LR	
MOY	Mondy, comp=Z,3.3nm,1.8.0s	83.32	326	eP	P	19 10 35.7 +1.3
MOY				pmx	pmx	
HDA	Harding Lake, comp=Z,2.9nm,0.8s	83.33	19	eP	P	19 10 33.3 -0.7
HDA				LR	LR	
HDA				LR	LR	
TDOL	Harding Lake, comp=Z,2.7nm,1.0s	83.33	19	P	P	19 10 33.3 -0.7
HCOL	CIGO, UAF Yank, comp=Z,1.9nm,0.7s	83.36	18	eP	P	19 10 33.7 -0.4
COLA	College, comp=Z,1.9nm,0.7s	83.36	18	eP	P	19 10 32.8 -1.4
COLA				LR	LR	
COLA				LR	LR	
COLA				pmx	pmx	
SAO	San Andreas Ge, comp=Z,1.7nm,0.9s	83.40	51	eP	P	19 10 35.4 +0.3
SAO				LR	LR	
SAO				LR	LR	
SAO				pmx	pmx	
SAO				MLR	MLR	
SIT	Sitka, comp=Z,1.5nm,1.0s	83.40	28	eP	P	19 10 33.8 -0.7
SIT				pmx	pmx	
SIT				pmx	pmx	
KEBM	Edson Butte, comp=Z,3.7nm,1.1s	83.42	44	eP	P	19 10 34.4 -0.7
KEBM				LR	LR	
O02D	Mt. Diablo Me, comp=Z,2.5nm,0.8s	83.55	47	P	P	19 10 36.6 +0.8
RIDG	Independ'e Rid, comp=Z,2.2nm,1.0s	83.56	20	eP	P	19 10 34.9 -0.4
RIDG				LR	LR	
IL1	Eielson Array, comp=Z,3.3nm,1.9.0s	83.59	19	eP	P	19 10 35.5 +0.1
ILAR	Eielson Array, comp=Z,1.3nm,0.8s, comp=Z,2.3nm,1.9.0s, slow=4.9, SNR=37	83.59	19	P	P	19 10 34.8 -0.6
ILAR				LR	LR	
ILB	Eielson Array, comp=Z,3.3nm,1.9.0s, slow=3.3	83.59	19	eP	P	19 10 34.6 -0.7
POKR	Poker Plat Res, comp=Z,2.2nm,1.0s	83.66	18	P	P	19 10 35.4 -0.4
L02B	Cave Junction, comp=Z,2.4nm,1.0s	83.66	45	P	P	19 10 37.0 +0.7
MP2B	Monarch Peak, comp=Z,2.4nm,1.0s	83.72	51	eP	P	19 10 36.6 -0.2
DOT	Dot Lake, comp=Z,2.3nm,1.3s	83.77	20	eP	P	19 10 35.8 -0.5
J01E	Myrtle Point, comp=Z,2.4nm,1.0s	83.80	44	P	P	19 10 37.2 +0.4
K02D	Willamette Mer, comp=Z,2.4nm,1.0s, SNR=9.0	83.81	45	P	P	19 10 38.1 +1.0
SNCC	San Nicolas Is, comp=Z,3.7nm,1.0s	83.81	55	eP	P	19 10 36.8 -0.4
SNCC				LR	LR	
SNCC				LR	LR	
SNCC				P	P	19 10 37.7 +0.5
WDC	Whiskeytown Da, comp=Z,2.1nm,1.1s	83.86	47	eP	P	19 10 36.9 -0.4
WDC				LR	LR	
WDC				LR	LR	
WDC				pmx	pmx	
WDC				MLR	MLR	
N02D	Trinity Center, comp=Z,4.4nm,2.0s	83.88	46	P	P	19 10 38.2 +0.7
M02C	Callahan, comp=Z,2.5nm,0.8s, SNR=14	83.92	46	P	P	19 10 38.8 +1.1
SC2Z	Santa Cruz Isl, comp=Z,2.5nm,0.8s, SNR=12	83.95	54	P	P	19 10 38.3 +0.4
PAGB	Antelope Grade, comp=Z,2.0nm,1.2s	83.99	52	eP	P	19 10 37.6 -0.5
PAGB				LR	LR	
SCRK	Sand Creek, comp=Z,2.6nm,1.8.0s	84.01	20	eP	P	19 10 37.4 -0.2
SBC	Santa Barbara, comp=Z,3.0nm,1.2s	84.02	53	P	P	19 10 39.0 +0.8
SMMC	Simmler, comp=Z,2.6nm,1.2s	84.06	52	P	P	19 10 38.5 -0.1
PKM	McPherson Peak, comp=Z,2.5nm,0.8s, SNR=9	84.07	53	P	P	19 10 39.9 +1.1
YBH	Yreka Blue Hor, comp=Z,2.8nm,1.0s	84.14	46	eP	P	19 10 38.1 -0.7
YBH				pmx	pmx	
YBH				pmx	pmx	
I02D	Swisshome, comp=Z,2.8nm,1.0s	84.19	43	P	P	19 10 39.6 +0.7
HUMO	Hull Mountain, comp=Z,2.6nm,1.0s	84.27	45	eP	P	19 10 39.0 -0.3
HUMO				LR	LR	
ORV	Oroville, comp=Z,3.3nm,2.1.0s	84.27	48	eP	P	19 10 38.7 -0.7
ORV				LR	LR	
ORV				LR	LR	
ORV				pmx	pmx	
ORV				MLR	MLR	
O03E	Paynes Creek, comp=Z,2.5nm,0.8s, SNR=22	84.30	47	P	P	19 10 39.1 -0.6
COLD	Coldfoot, comp=Z,4.6nm,1.1s	84.36	16	eP	P	19 10 39.6 +0.4
COLD				LR	LR	
I03D	Drain, OR, comp=Z,3.3nm,2.2.0s	84.39	44	P	P	19 10 40.0 +0.1
BESE	Bessie Mountai, comp=Z,2.9nm,1.4s	84.42	27	eP	P	19 10 40.1 +0.4
BESE				LR	LR	
BLG	Laguna Peak, P, comp=Z,2.6nm,1.9.0s	84.43	54	P	P	19 10 40.0 -0.4
AFDM	Forest Hills D, comp=Z,3.3nm,1.0s	84.46	49	eP	P	19 10 39.8 -0.6
AFDM				LR	LR	
JIS	Juneau Island, comp=Z,2.2nm,1.8.0s	84.47	27	eP	P	19 10 38.9 -1.0
JIS				LR	LR	
WRAK	Wrangell Islan, comp=Z,2.9nm,1.1s	84.49	30	eP	P	19 10 39.6 -0.5

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WRAK	comp=Z,5.5nm,2.0s	LR	LR			
HYT	Haines Junction, comp=Z,1.4nm,1.0s	84.50	24	eP	P	19 10 39.1 -1.2
SC1Z	San Clemente I, comp=Z,2.5nm,0.8s	84.52	55	P	P	19 10 40.4 -0.4
PRP	Porcupine Dome, comp=Z,8.6nm,1.0s	84.52	18	eP	P	19 10 41.0 +0.7
PRP				LR	LR	
L04D	Klamath Falls, comp=Z,3.3nm,2.0s	84.59	45	P	P	19 10 40.9 -0.3
CMB	Columbia Colle, comp=Z,1.8nm,0.9s	84.61	50	eP	P	19 10 40.5 -0.7
CMB				LR	LR	
MAW	Mawson, comp=Z,4.4nm,2.0s	84.62	202	eP	P	19 10 40.5 -0.1
MAW				LR	LR	
MAW				pmx	pmx	
MAW				MLR	MLR	
MAW				MLR	MLR	
MAW				P	P	19 10 43.3 +2.6
MAW				LR	LR	
MAW				LR	LR	
SKAG	Skagway, comp=Z,2.1nm,1.8.6s, comp=Z,3.9nm,1.3s	84.67	26	eP	P	19 10 41.0 +0.1
SKAG				LR	LR	
COR	Corvallis, comp=Z,6.8nm,1.8.0s	84.73	43	PFAKE	P	19 10 50.0 +8.4
COR				LR	LR	
CIS	Catalina Islan, comp=Z,4.4nm,2.1.0s	84.74	55	P	P	19 10 41.8 -0.2
BBB	Bella Bella, comp=Z,2.1nm,1.3s	84.76	35	eP	P	19 10 41.0 -0.5
BBB				LR	LR	
BBB				LR	LR	
M04C	Macdoel, comp=Z,2.5nm,0.8s, SNR=15	84.77	46	P	P	19 10 42.0 0.0
VOG	Valley Oaks Go, comp=Z,2.4nm,1.0s	84.84	52	P	P	19 10 42.7 +0.4
VOG				LR	LR	
OSI	Oso Audit: C, comp=Z,1.7nm,1.0s	84.85	53	eP	P	19 10 42.1 -0.4
OSI				LR	LR	
OSI				P	P	19 10 43.3 +0.8
ARVC	Arvin, comp=Z,2.5nm,0.8s, SNR=23	84.92	53	P	P	19 10 43.6 +0.8
VES	Vestil, Richgr, comp=Z,2.5nm,0.8s	84.93	52	P	P	19 10 43.0 +0.2
FMP	Fort Macarthur, comp=Z,2.5nm,0.8s	84.93	54	P	P	19 10 42.6 -0.3
G03D	McMinnville, O, comp=Z,2.4nm,1.0s	84.98	42	P	P	19 10 43.1 +0.2
DECC	Green Verdugo, comp=Z,2.5nm,0.8s	85.05	54	P	P	19 10 43.7 +0.1
J04A	Tendick Farm, comp=Z,2.5nm,0.8s	85.06	44	P	P	19 10 43.9 +0.6
J04D	Umpqua Nationa, comp=Z,2.5nm,0.8s, SNR=8.2	85.07	44	P	P	19 10 44.3 +0.7
H04D	Lebanon, comp=Z,2.5nm,0.8s	85.09	43	P	P	19 10 44.3 +0.9
RUBR	Rubicon Trail, comp=Z,3.2nm,1.0s	85.10	49	eP	P	19 10 43.4 -0.5
RUBR				LR	LR	
RAMN	Ramite, comp=Z,3.3nm,2.0s	85.10	299	eP	P	19 10 43.6 -0.6
K04D	Chiloquin, OR, comp=Z,2.5nm,0.8s	85.11	45	P	P	19 10 44.4 +0.7
PASC	Pasadena Art C, comp=Z,2.3nm,1.1s	85.15	54	eP	P	19 10 43.1 -0.9
PASC				LR	LR	
BEKR	Beckworth, comp=Z,4.4nm,2.0s	85.20	48	eP	P	19 10 43.5 -0.8
BEKR				LR	LR	
MWC	Mount Wilson, comp=Z,3.3nm,1.9.0s	85.26	54	eP	P	19 10 43.6 -1.1
MWC				LR	LR	
MWC				LR	LR	
MWC				pmx	pmx	
MWC				MLR	MLR	
MWC				MLR	MLR	
FYU	Fort Yukon, comp=Z,5.5nm,2.0s	85.31	18	eP	P	19 10 43.9 -0.2
FYU				LR	LR	
FYU				LR	LR	
ISA	Isabella, Lake, comp=Z,2.2nm,2.0s	85.35	52	eP	P	19 10 44.9 -0.2
ISA				LR	LR	
ISA				P	P	19 10 44.9 -0.2
ISA				pmx	pmx	
ISA				MLR	MLR	
ISA				MLR	MLR	
NLWA	Neilton Lookou, comp=Z,2.4nm,1.5s	85.38	40	eP	P	19 10 44.7 -0.1
NLWA				LR	LR	
F04D	Rainier, OR, comp=Z,2.4nm,1.0s	85.46	42	P	P	19 10 45.9 +0.7
WAKR	Walker, comp=Z,4.6nm,1.3s	85.46	50	eP	P	19 10 45.5 -0.2
WAKR				LR	LR	
MDPB	Devils Postpil, comp=Z,2.6nm,1.0s	85.47	50	eP	P	19 10 45.7 -0.1
MDPB				LR	LR	
WHY	Whitehorse, comp=Z,2.6nm,0.8s	85.50	25	eP	P	19 10 46.4 +1.1
WHY				LR	LR	
EDWZ	Edwards Air Fo, comp=Z,2.5nm,0.8s, SNR=22	85.50	53	P	P	19 10 46.5 +0.7
H04A	Detroit Lake, comp=Z,2.5nm,1.2s	85.51	43	eP	P	19 10 44.7 -0.9
PNTR	Pine Nut, comp=Z,2.2nm,1.0s	85.52	49	eP	P	19 10 46.0 -0.1
OMMB	Old Mammoth Mi, comp=Z,2.1nm,1.2s	85.52	51	eP	P	19 10 46.5 +0.4
OMMB				LR	LR	
VCNR	Virginia City, comp=Z,2.6nm,2.1.0s	85.55	49	eP	P	19 10 45.5 -0.6
VCNR				LR	LR	
VCNR				LR	LR	
BFSC	Mount Baldy Ra, comp=Z,2.4nm,1.0s, SNR=11	85.58				

GLA	Glamis	87.54	56	eP	P	19 10 55.7	-0.1
GLA	comp-Z,30nm,0.9s				LR	LR	
GLA	Glamis	87.54	56	eP	P	19 10 55.7	-0.1
GLA	comp-Z,4um,20.0s				MLR	MLR	
GLA	comp-Z,30nm,0.9s				MLR	MLR	
GLA	Glamis	87.54	56	P	P	19 10 56.1	+0.2
GLA	baz=255						
IRM	Iron Mountain	87.57	55	P	P	19 10 55.9	-0.1
IRM	baz=255,SNR=26						
J08A	Circle Bar Ran	87.62	45	eP	P	19 10 55.5	-0.6
J08A	comp-Z,35nm,1.2s						
BMN	Battle Mountai	87.67	48	eP	P	19 10 56.8	+0.4
BMN	comp-Z,2um,21.0s				LR	LR	
BMN	Battle Mountai	87.67	48	eP	P	19 10 56.8	+0.4
BMN	comp-Z,2um,21.0s				MLR	MLR	
LLLB	Lillooet	87.75	38	eP	P	19 10 57.6	+1.2
LLLB	comp-Z,9.6nm,1.0s						
LLLB	Lillooet	87.75	38	eP	P	19 10 57.6	+1.2
LLLB	comp-Z,6um,22.0s				LR	LR	
LDFC	Landfair	87.83	54	eP	P	19 10 56.6	-0.7
LDFC	comp-Z,62nm,1.2s						
LDFC	Landfair	87.83	54	eP	P	19 10 56.6	-0.7
LDFC	comp-Z,4um,22.0s				LR	LR	
HAWA	Hanford	87.84	42	eP	P	19 10 56.1	-0.7
HAWA	comp-Z,27nm,1.3s				LR	LR	
HAWA	Hanford	87.84	42	eP	P	19 10 56.1	-0.7
HAWA	comp-Z,3um,20.0s						
G08A	Pilot Rock	87.88	43	eP	P	19 10 56.8	-0.5
DANN	Dangsing	87.88	299	eP	P	19 10 56.1	-1.8
DANN	comp-Z,48nm,1.2s						
KOLN	Koldanda	87.89	299	eP	P	19 10 56.4	-1.4
KOLN	comp-Z,46nm,1.4s						
Y12C	Blythe	87.97	55	eP	P	19 10 57.5	-0.3
Y12C	comp-Z,35nm,1.2s				LR	LR	
Y12C	Blythe	87.97	55	eP	P	19 10 57.5	-0.3
Y12C	comp-Z,3um,20.0s						
Y12C	baz=256,SNR=11						
NHEE	Needles Airpor	88.14	54	P	P	19 10 58.8	+0.2
NHEE	baz=255						
SHPR	Sheep Range	88.16	52	eP	P	19 10 58.2	-0.6
SHPR	comp-Z,23nm,1.3s				LR	LR	
E08A	Dider Farm, E	88.18	42	eP	P	19 10 58.3	-0.2
R11A	Troy Canyon, C	88.32	51	eP	P	19 10 58.4	-1.2
R11A	comp-Z,18nm,1.3s				LR	LR	
R11A	Troy Canyon, C	88.32	51	eP	P	19 10 58.4	-1.2
R11A	comp-Z,6um,21.0s						
R11A	baz=255,SNR=5.9						
113A	Mohawk Valley,	88.34	56	eP	P	19 10 59.2	-0.3
113A	comp-Z,27nm,1.3s				LR	LR	
113A	Mohawk Valley,	88.34	56	eP	P	19 10 59.2	-0.3
113A	comp-Z,4um,20.0s						
SRIG	Santa Rosalia	88.34	62	eP	P	19 10 59.7	+0.1
SRIG	comp-Z,46nm,1.1s				LR	LR	
SRIG	Santa Rosalia	88.34	62	eP	P	19 10 59.7	+0.1
SRIG	comp-Z,4um,21.0s						
PDMCI	Parker Dam,Lak	88.41	55	P	P	19 11 00.7	+0.9
PDMCI	baz=256,SNR=16						
D08A	Wollman Farm,	88.44	42	eP	P	19 10 59.3	-0.5
PYUN	Pluthan	88.49	299	eP	P	19 10 58.9	-1.7
PYUN	comp-Z,40nm,1.2s						
B08A	Colville Reser	88.58	40	eP	P	19 10 59.6	-0.8
B08A	comp-Z,24nm,1.4s						
E09A	Wood Farm, S	88.79	42	eP	P	19 11 00.2	-1.1
E09A	comp-Z,5.4nm,0.8s						
WMQ	Urumqi	88.79	315	P	P	19 11 02.8	+1.3
WMQ	comp-Z,16nm,1.1s						
WMQ	Urumqi	88.79	315	P	P	19 11 02.8	+1.3
WMQ	comp-Z,560nm,4.1s				pmx	pmx	
WMQ	Urumqi	88.79	315	eP	P	19 11 00.5	-1.0
WMQ	comp-Z,4um,18.9s				LR	LR	
WMQ	Urumqi	88.79	315	eP	P	19 11 00.5	-1.0
WMQ	comp-Z,3um,18.9s				LR	LR	
WMQ	Urumqi	88.79	315	eP	P	19 11 00.5	-1.0
WMQ	comp-Z,8.0nm,0.8s				LR	LR	
WMQ	Urumqi	88.79	315	eP	P	19 11 00.5	-1.0
WMQ	comp-Z,2um,20.0s				pmx	pmx	
WMQ	Urumqi	88.79	315	eP	P	19 11 00.5	-1.0
WMQ	comp-Z,8.0nm,0.8s				MLR	MLR	
W13A	Hualapai Mount	88.81	54	eP	P	19 11 01.2	-0.9
W13A	comp-Z,29nm,1.3s				LR	LR	
W13A	Hualapai Mount	88.81	54	eP	P	19 11 01.2	-0.9
W13A	comp-Z,3um,19.0s						
BMO	Blue Mountains	88.86	44	eP	P	19 11 01.8	-0.1
BMO	comp-Z,24nm,1.4s						
BMO	Blue Mountains	88.86	44	eP	P	19 11 01.8	-0.1
BMO	comp-Z,24nm,1.4s				pmx	pmx	
214A	Organ Pipe Nat	88.93	57	P	P	19 11 03.2	+0.8
214A	baz=256						
C09A	Chrisman Ranch	89.09	41	eP	P	19 11 02.8	0.0
C09A	comp-Z,4.9nm,0.6s						
ELK	Elko	89.20	48	eP	P	19 11 03.0	-0.8
ELK	comp-Z,17nm,1.4s				LR	LR	
ELK	Elko	89.20	48	eP	P	19 11 03.0	-0.8
ELK	comp-Z,2um,20.0s						
ELK	Elko	89.20	48	eP	P	19 11 03.0	-0.8
ELK	comp-Z,17nm,1.4s				MLR	MLR	
ELK	Elko	89.20	48	eP	P	19 11 03.0	-0.8
ELK	comp-Z,2um,20.0s				LR	LR	
ELK	Elko	89.20	48	eP	P	19 11 03.0	-0.8
ELK	comp-Z,17nm,1.4s				MLR	MLR	
Y14A	Wickenburg	89.24	55	eP	P	19 11 04.0	+0.2
Y14A	comp-Z,17nm,1.2s				LR	LR	
F10A	Beach Ranch, E	89.24	43	eP	P	19 11 02.4	-1.2
LPIG	La Paz	89.34	65	P	P	19 11 05.8	+1.3
LPIG	comp-Z,22nm,0.3s, baz=151,slow=3.3,SNR=2.2						
MFID	Camas Ranch	89.49	46	eP	P	19 11 03.8	-1.1
MFID	comp-Z,22nm,1.4s				LR	LR	
MFID	Camas Ranch	89.49	46	eP	P	19 11 03.8	-1.1
MFID	comp-Z,3um,22.0s						
SLBS	Sierra La Lagu	89.58	66	eP	P	19 11 05.7	0.0
SLBS	comp-Z,24nm,1.0s				LR	LR	
SLBS	Sierra La Lagu	89.58	66	eP	P	19 11 05.7	0.0
SLBS	comp-Z,4um,21.0s				LR	LR	
PSUT	Pine Spring	89.68	51	eP	P	19 11 05.0	-1.1
PSUT	comp-Z,16nm,1.2s				LR	LR	
PSUT	Pine Spring	89.68	51	eP	P	19 11 05.0	-1.1
PSUT	comp-Z,2um,21.0s				LR	LR	
LCMT	Little Creek M	89.78	52	eP	P	19 11 05.3	-1.1
LCMT	comp-Z,24nm,1.1s						
LCMT	Little Creek M	89.78	52	eP	P	19 11 05.3	-1.1
LCMT	comp-Z,6um,22.0s				LR	LR	
CCUT	Cedar City	89.82	52	eP	P	19 11 06.8	+0.1
CCUT	comp-Z,29nm,1.2s				LR	LR	
CCUT	Cedar City	89.82	52	eP	P	19 11 06.8	+0.1
CCUT	comp-Z,7um,20.0s						
HSIG	HSIG	89.83	61	eP	P	19 11 06.9	+0.2
HSIG	comp-Z,42nm,1.4s				LR	LR	
HSIG	HSIG	89.83	61	eP	P	19 11 06.9	+0.2
HSIG	comp-Z,4um,20.0s				LR	LR	
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.2nm,1.2s				LR	LR	
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.0nm,1.2s				MLR	MLR	
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.2nm,1.2s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.2nm,1.2s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.2nm,1.2s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.2nm,1.2s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.2nm,1.2s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.2nm,1.2s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.2nm,1.2s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.2nm,1.2s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.2nm,1.2s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.2nm,1.2s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.2nm,1.2s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.2nm,1.2s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.2nm,1.2s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.2nm,1.2s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,8.2nm,1.2s						
NEW	Newport	89.96	41	eP	P	19 11 06.0	-0.8
NEW	comp-Z,3um,19.0s						
NEW	Newport	89.96					





Table with columns for station call letters, frequency, power, and other technical details. Includes stations like 555A, 052A, 255A, 656A, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LPAZ, LPAZ, OBN, OBN, VSR, VSR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SMRT, SMRT, OKC, OKC, SEUS, SEUS, etc.



IDC 02 19:09:57.6:1.9,11:12S:165:14E,h0km,mb3.6/3, mb1 4.0/5,mb1mx3.6/3,mbtmp3.9/5,ML4.1/2, Error ellipse: s-maj=41.7km s-min=33.6km az=133.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, CTA Charters Tower, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array.

IDC 02 19:10:21.8:3.1,13:30N:92:13W,h0km,mb3.3/2, mb1 3.6/4,mb1mx3.4/3,mbtmp3.2/4,ML3.0/2, Error ellipse: s-maj=56.8km s-min=25.2km az=1.0

ISC 02 19:10:27.0:2.2,13:39N,02:29:14W,0.08,h54km,n6, e183/8, Off coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like APG E Apazote, APG Matias Romero, CMIG Matias Romero, TXAR Lajitas Array, NVAR Mina Array, YKKA Yellowknife Ar, CMAR Chiang Mai Arr.

IDC 02 19:24:29.7:0.5,11:08S:165:35E,h0km,mb4.3/2, mb1 4.5/23,mb1mx4.4/42,mbtmp4.3/23,ML5.0/2, Error ellipse: s-maj=17.1km s-min=14.1km az=135.0

NEIC 02 19:24:31.5:0.2,11:12S:165:21E,h10km,mb5.0/57, Error ellipse: s-maj=5.1km s-min=4.0km az=113.0

ISCJB 02 19:24:32.9:0.2,11:22S:03:165:19E,0104,h30km, mb4.8/73, Error ellipse: s-maj=5.0km s-min=4.7km az=7.6

BUI 02 19:24:33.6,11:39S:165:21E,h30km,mb5.6/9,mb4.7/16, Ms5.4/7, Ms7.5/19

ISC 02 19:24:34.4:0.1,11:21S:01:06:165:29E,0.06,h30km,n141, e120/146,mb4.9/73,1C-1D,Santa Cruz Islands

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists numerous stations including HNR Honiara, DZM Mont Dzumac, CTA Charters Tower, STKA Stephens Creek, WRA Warramunga Arr, etc.

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists numerous stations including FORT Forrest, BATI Baumata, MWBA Marble Bar, MORW Morawa, JAGI Jagajag, MAJO Matsushiro Arr, MAJR Mashiro, NJ2 Nanjing, VNSA Vanda, GYA Guiyang, KMI Kunming, KHC Hu-ho-hao-te, CM01 Chiang Mai Arr, CMAR Chiang Mai Arr, CMCT Chiang Mai, CHTO Chiang Mai, CD2 Chengde, LZH Lanzhou, SONA Songino Array, SONM Songino Array, QSPA South Pole Qui, GTA Gaotai, GTA Gaotai, BILL Bilibino, ILAR Eielson Array, ILB Eielson Array, ILI Eielson Array, WDC Whiskeytown Da, SCRK Yreka Blue Hor, YBH Yreka Blue Hor, ORV Oroville, AFDM Forest Hills D, MDPB Devils Postpil, OMMB Old Mammoth Mi, PAHR Pat Rah Range, NV01 Mina Array Sit, NVAR Mina Array, NV11 Mina Array Sit, G08A Pilot Rock, R11A Troy Canyon, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, W13A Huzhai Mountain, ELK Elko, ELK Elko, PSUT Pine Spring, LCMT Little Creek M, CCUT Cedar City, SZCU Shurtz Canyon, KNB Kanab, U15A North Rim, PKCU Pink Cliffs, TUC Tucson, MTPU Mount Pierson, MSU Marysvalley, HVU Hansel Valley, SYO Syowa Base, SYO Syowa Base, DLMT Dillon, MK01 Makanchi Array, MK01 Makanchi Array, MK32 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, MAK2 Makanchi, PD31 Pinedale Array, PDAR Pinedale Array, YKA Yellowknife Ar, YKBS Yellowknife Ar, TXAR Lajitas Array, KSH Kashi, KSH Kashi, KSH Kashi, ARA0 ARCES Array S, ARCES ARCES Array B, FIAO FINESS Array B, FINES FINESS Array B.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NB200 NORSAR Array S, NORA NORSAR Array B, GERES GERE Array B, SOLESO Solar Tower, SONSEA Sonsea Array, TOAO Torodi Ar. Sit, TORO Torodi Ar. Bea, TORO Torodi Ar. Bea, TOAO Torodi Ar. Sit, TOAO Torodi Ar. Sit, DBIC Dimbock.

IDC 02 19:25:47.1:2.5,11:09S:165:30E,h0km,mb4.0/6, mb1 4.2/7,mb1mx3.9/36,mbtmp4.1/7, Error ellipse: s-maj=65.4km s-min=34.5km az=102.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, CTA Charters Tower, WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, SONM Songino Array, MKAR Makanchi Array, GTA Gaotai, GTA Gaotai, BILL Bilibino, ILAR Eielson Array, ILB Eielson Array, ILI Eielson Array, WDC Whiskeytown Da, SCRK Yreka Blue Hor, YBH Yreka Blue Hor, ORV Oroville, AFDM Forest Hills D, MDPB Devils Postpil, OMMB Old Mammoth Mi, PAHR Pat Rah Range, NV01 Mina Array Sit, NVAR Mina Array, NV11 Mina Array Sit, G08A Pilot Rock, R11A Troy Canyon, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, W13A Huzhai Mountain, ELK Elko, ELK Elko, PSUT Pine Spring, LCMT Little Creek M, CCUT Cedar City, SZCU Shurtz Canyon, KNB Kanab, U15A North Rim, PKCU Pink Cliffs, TUC Tucson, MTPU Mount Pierson, MSU Marysvalley, HVU Hansel Valley, SYO Syowa Base, SYO Syowa Base, DLMT Dillon, MK01 Makanchi Array, MK01 Makanchi Array, MK32 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, MAK2 Makanchi, PD31 Pinedale Array, PDAR Pinedale Array, YKA Yellowknife Ar, YKBS Yellowknife Ar, TXAR Lajitas Array, KSH Kashi, KSH Kashi, KSH Kashi, ARA0 ARCES Array S, ARCES ARCES Array B, FIAO FINESS Array B, FINES FINESS Array B.

IDC 02 19:40:50.7:1.6,10:96S:165:09E,h0km,mb3.8/7, mb1 4.0/8,mb1mx3.8/32,mbtmp3.9/8,ML3.8/1,MS4.5/4, Ms1.5/4,ms1mx3.8/38, Error ellipse: s-maj=47.0km s-min=24.7km az=120.0

NEIC 02 19:40:51.5:0.7,11:01S:165:25E,h10km,mb4.1/4, Error ellipse: s-maj=13.6km s-min=9.1km az=68.0

ISCJB 02 19:40:52.9:0.8,11:16S:0:08:165:2E:0.1,h31km, mb3.9/10,MS4.6/4, Error ellipse: s-maj=16.3km s-min=10.3km az=156.3

ISC 02 19:40:54.8:1.1,11:1S:0:1:165:2E:0.1,h31km,n25, e085/21,mb4.0/10,MS4.6/4,Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, ONTC Owen Toro, PINN Pines Island, CTA Charters Tower, CTAO Charters Tower, COEN Coen, STKA Stephens Creek, STKA Stephens Creek, WB2 Warramunga Arr, WR1 Warramunga Arr, WRA Warramunga Arr, AS01 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, BBOO Buckleboo, BATI Baumata, SONA Songino Array, SONM Songino Array, RPN Rapa Nui, ILAR Eielson Array, BBB Bella Bella, LPIG La Paz, MK32 Makanchi Array, MKAR Makanchi Array.

IDC 02 19:58:48.6:1.6,11:03S:165:45E,h0km,mb3.7/5, mb1 3.9/6,mb1mx3.6/33,mbtmp3.7/6,ML4.1/1,MS3.9/1, Ms1 3.9/1,ms1mx3.2/39, Error ellipse: s-maj=49.0km s-min=26.5km az=121.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, GUMO Gumbo, ASAR Alice Springs, ILAR Eielson Array, MKAR Makanchi Array.

SJA 02 20:08:24.0:0.7,30:60S:67:35W,h25km,3km,ML3.1, MW3.6, San Juan Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like APLL PUNTA DE LOS L, APLL PUNTA DE LOS L, AMOG MOGNA, RTOG Cerro Villucun, RRTL RRTL, AGUA GUANDACOL, RTCV Cerro Valdivia, ACAN Cantantal, MRA San Martin, ASAL Salagasta, AUSP Uspallata.

IDC 02 20:09:29.2:1.8,11:01S:165:35E,h0km,mb3.7/4, mb1 4.0/5,mb1mx3.6/44,mbtmp3.8/5,ML4.1/1, Error ellipse: s-maj=50.5km s-min=32.1km az=120.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, H11S2 WAKE ISLAND Hy 29.34, H11S3 WAKE ISLAND Hy 29.35, H11S1 WAKE ISLAND Hy 29.36.













ZALV Zalesovo Beam 93.35 324 LR LR 23 03 44.3
MKAR Makanchi Array 93.41 317 P P 22 21 17.7 +0.5

IDC 02 22:16:34.6-1.6, 3.24S, 127.57E, h0km, mb3.8/2,
mb1 4.1/4, mb1mx3.6/46, mbtmp3.9/4, ML3.6/2, Error
ellipse: s-maj=35.0km s-min=25.9km az=83.0, Seram

IDC 02 22:17:59.1-3.6, 10.38S, 166.13E, h0km, mb3.8/4,
mb1 4.0/4, mb1mx3.6/45, mbtmp3.8/4, Error ellipse:
s-maj=149.6km s-min=33.1km az=135.0, Santa Cruz
Islands

IDC 02 22:31:54.5-0.5, 11.01S, 165.35E, h0km, mb4.0/20,
mb1 4.6/22, mb1mx4.4/38, mbtmp4.4/22, ML 4.8/2, Error
ellipse: s-maj=17.7km s-min=13.6km az=96.0

IDC 02 22:36:00.6-0.9, 10.60S, 166.58E, h0km, mb4.3/13,
mb1 4.4/14, mb1mx4.3/31, mbtmp4.2/14, MS4.1/11,
Ms1 4.2/11, ms1mx3.7/31, Error ellipse: s-maj=32.1km
s-min=17.4km az=133.0

IDC 02 22:36:06.0-0.5, 10.66S, 166.53E, h0km, mb3.6/10,
mb1 4.0/4, mb1mx4.6/60, MS4.1/10, Santa Cruz Islands

IDC 02 22:40:54.4-5.1, 11.50S, 165.83E, h0km, mb3.7/4,
mb1 4.0/4, mb1mx3.6/26, mbtmp3.8/4, Error ellipse:
s-maj=263.6km s-min=29.1km az=139.0, Santa Cruz
Islands

IDC 02 23:13:37.2-0.0, 18.40N, 101.72W, h50km, MD4.0(MEX),
After MEX.
MEX 02 23:13:37.2-0.0, 18.40N, 101.72W, h50km, MD4.0,
Guerrero

IDC 02 23:15:00.1-1.4, 38.84N, 04.43E, h0.1, h24km, 9km,
Error ellipse: s-maj=16.8km s-min=5.5km az=11.1
DDA 02 23:15:01.0, 38.86N, 43.53E, h7km, 6km, ML2.5
ISC 02 23:14:59.3-1.7, 38.84N, 04.43E, h0.09, h20km, 3km,

IDC 02 23:15:01.0, 38.86N, 43.53E, h7km, 6km, ML2.5
ISC 02 23:14:59.3-1.7, 38.84N, 04.43E, h0.09, h20km, 3km,

WMQ comp=Z, 2.8, 0nm, 0.9s sP sP 22 45 01.1 -1.6
WMQ comp=Z, 340nm, 4.1s pmax pmax
WMQ comp=N, 98nm, 18.7s LR LR

WMQ comp=E, 76nm, 17.1s LR LR
WMQ comp=Z, 72nm, 17.9s LR LR
MYO Syowa Base 91.64 1971 ePcP P 22 45 05.4 +1.2
MKAR Makanchi Array 93.33 317 P P 22 45 11.1 -0.4

WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14
WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14
WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14

WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14
WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14
WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14

WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14
WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14
WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14

WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14
WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14
WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14

WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14
WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14
WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14

WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14
WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14
WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14

WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14
WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14
WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14

WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14
WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14
WMQ comp=Z, 1.1nm, 1.0s, baz=95, slow=6.5, SNR=14

HDA Harding Lake 82.63 19 eP P 22 48 24.6 -0.7
IL1 Eielson Array 82.90 18 eP P 22 48 26.5 -0.1
ILAR Eielson Array 82.90 18 P P 22 48 26.8 +0.1

ILAR comp=Z, 5.7nm, 20.6s, baz=168, slow=32
ILB Eielson Array 82.90 18 eP P 22 48 26.0 -0.7
SCRK Sand Creek 83.29 20 eP P 22 48 29.8 +0.9

AFDM Forest Hills D 83.36 48 eP P 22 48 30.5 +0.8
CMB Comp=Z, 5.1nm, 1.2s
CMB Devils Postill 84.36 50 eP P 22 48 35.6 +0.5

WAKR Walker 84.36 49 eP P 22 48 35.6 +0.6
OMMB Old Mammoth Mt 84.41 50 eP P 22 48 36.3 +0.9
PAHR Pah Rah Range 84.78 48 eP P 22 48 37.4 +0.4

DAC Darwin (Calif) 85.09 52 eP P 22 48 38.3 -0.4
NV01 Mina Array Sit 85.18 50 eP P 22 48 38.3 -0.9
NVAR Mina Array Bea 85.36 50 P P 22 48 39.6 +0.4

NV01 comp=Z, 2.6nm, 1.0s, baz=230, slow=7.2, SNR=10
NVAR comp=Z, 2.1nm, 1.0s, baz=232, slow=7.2, SNR=10
NV11 Mina Array Sit 85.30 50 eP P 22 48 39.5 -0.1

KVN Kaiserville 85.52 49 eP P 22 48 40.7 -0.2
TIXI Tiksi 85.86 349 eP P 22 48 41.9 +0.4
G08A comp=Z, 4.9nm, 1.1s
G08A Pat Rock 86.83 43 eP P 22 48 46.4 -0.7

LCMT Little Creek M 86.85 52 eP P 22 48 56.4 +0.4
CCUT Cedar Cliff 86.89 52 eP P 22 48 57.5 +1.2
SZCU Shurtz Canyon 86.92 52 eP P 22 48 55.1 -2.2

U15A North Rim 89.25 53 eP P 22 48 59.5 +0.5
UW10 comp=Z, 8.8nm, 1.1s
UW10 Urumqi 89.37 315 eP P 22 48 59.7 +0.6

UW10 comp=Z, 1.4nm, 1.5s
UW10 comp=Z, 340nm, 5.3s
X16A Lo Mia Camp 89.46 55 eP P 22 49 00.7 +0.7







Table with columns: SHLS, UZB, PDGK, PRZ, SATY, KTMS, KURS, DJR, KDJ, KOTS, ARXS, CHKK, UHLH, BOOM, NRN, TKM2, etc. Each row contains station name, time, and other parameters.

ISCBJ 03 02:00:50.8±0.4, 17.29N±0.04; 147.30E±0.08, h26km, mb4.4/46, MS3.1/1, Error ellipse: s-maj=10.9km s-min=5.2km az=6.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SARIN, GUMO, H1131, etc.

Main table with columns: ASAJ, NJ2, USR2, CN2, KLR, XAN, HHC, WRAB, WB2, WRI, WRA, FITZ, CD2, KMI, LZH, ASO1, AS31, ASAR, CHAI, ULN, SONAO, SONM, CHTO, CMAR, MBWA, PSI, BBOO, FORT, GSI, MORW, WMQ, ZAAO, ZAA1, ZALV, MK01, MK31, MK32, MKAR, MAK2, KURK, NRK, ILAR, KSH, ARU, ABKAR, YKA, YKBS, GEYT, NV01, NVAR, KLMR, ARAO, ARCS, PD31, PDAR, FIAO, FINES, BR101, BRTR, OTAV, DBIC, LPAZ. Each row contains station name, time, and other parameters.

Table with columns: LPAZ, PRZ, UZB, SATY, SHLS, PDGK, KURS, KDJ, KOTS, KOTS, MDOK, MDOK, MDOK, MDOK, ARXS, ARXS, ARXS, ARXS, CHKK, CHKK, CHKK, MTBS, MTBS, MTBS, MTBS, MTBS, KTBS, KTBS, KTBS, ULHL, ULHL, BOOM, BOOM. Each row contains station name, time, and other parameters.

Table with columns: Code, Station Name, Az, El, S, P, Res, and various station identifiers like KST, DGS, TKM2, etc.

IDC 03 02:05:09.9,2.0,11.79N,126.74E,h0km,mb3.9/5, mb1.4,0/5,mb1mx3.6/52,mbtmp3.9/5, Error ellipse: s-maj=102.9km s-min=25.8km az=68.0

MAN 03 02:05:14.3,11.92N,126.45E,h21km,MS3.4

ISC 03 02:05:12.2,3.5,11.80N,106.126,52E,h16km,22km, n12,-1953/18,mb3.9/5,1C-1D,Philippine Islands region

Table with columns: Code, Station Name, Az, El, S, P, Res, and various station identifiers like BESP, BLP, PALO, etc.

IDC 03 02:08:00.1,0.7,37.51N,17.56W,h0km,mb4.0/25, mb1.4,1/26,mb1mx4.0/51,mbtmp4.0/26,ML4,7/1,MS3.6/10, Ms1.3,6/10,ms1mx3.3/40, Error ellipse: s-maj=16.5km s-min=13.1km az=7.0

NEIC 03 02:08:01.6,0.3,37.52N,17.39W,h10km,mb4.6/16, Error ellipse: s-maj=6.9km s-min=4.5km az=161.0

MDD 03 02:08:02.9,1.4,37.58N,17.43W,h20km,1.4km,mb4.9/36, Error ellipse: s-maj=11.5km s-min=6.1km az=120.0, PRXIMO

LDG 03 02:08:04.8,0.2,37.66N,17.45W,h30km,ML4,4/23, Error ellipse: s-maj=4.2km s-min=3.5km az=137.0

IGIL 03 02:08:04.3,37.39N,17.20W,h0km,ML4.6

INMG 03 02:08:06.8,3.4,37.49N,17.40W,h8km,23km,MD4.1, ML4.4, Error ellipse: s-maj=8.5km s-min=4.1km az=119.0

ISC 03 02:08:01.6,0.4,37.54N,17.30W,0.0/4,h10km,346, c2505/368,mb4.2/35,MS3/5,10,1C-2D,Azores-Cape St. Vincent Ridge

Table with columns: Code, Station Name, Az, El, S, P, Res, and various station identifiers like PMPS, PMAZ, PMAF, etc.

Main table with columns: Code, Station Name, Az, El, S, P, Res, and various station identifiers like PMST, CMLA, LIS, etc.

Main table with columns: Code, Station Name, Az, El, S, P, Res, and various station identifiers like PBAR, EBAD, EBAD, etc.





Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Call sign, Frequency, Mode, Power, and other details. Includes stations like Columbia Colie, Mudjanjang, and various other frequencies.

Table with columns: Call sign, Frequency, Mode, Power, and other details. Includes stations like Cluj-Napoca, Berggiesshubel, and various other frequencies.

Table with columns: Call sign, Frequency, Mode, Power, and other details. Includes stations like Mont Dzumac, Ganterylas Bay, and various other frequencies.



3d 3h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like KS15, KSAR, KS01, YSS, SNCC, PSI, etc.

2013 FEB

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like KVN, KVIN, W13A, I03D, GRNR, TUC, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like KURK, AAK, BRVK, ARU, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SNART, BR101, BR11, etc.

ANF 03 03:27:26.1, 62.73N, 152.41W, ML4.1/3, Error ellipse: s-maj=27.4km s-min=9.7km az=132.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PPLA, PPLA, CAST, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PPLA, PPLA, CAST, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PPLA, PPLA, CAST, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PPLA, PPLA, CAST, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like DOT, SCRK, PRP, etc.

JMA 03 03:29:19.8, 50.7, 33.29N, 138.68E, h307km, M3.1

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like TKO2, JHJ, JHJ, etc.

ICD 03 03:29:52.6, 3.2, 34.65N, 22.89E, h0km, mb3.8/7

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GVD, GVD, GVD, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GVD, GVD, GVD, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GVD, GVD, GVD, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GVD, GVD, GVD, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GVD, GVD, GVD, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GVD, GVD, GVD, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ARCES, MKAR, ZALV, etc.

LDG 03 03:37:15.5, 50.0, 43.26N, 18.75E, h10km, ML4.1/12, Error ellipse: s-maj=3.0km s-min=2.1km az=27.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NKY, NKY, NKY, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NKY, NKY, NKY, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NKY, NKY, NKY, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NKY, NKY, NKY, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NKY, NKY, NKY, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NKY, NKY, NKY, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NKY, NKY, NKY, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NKY, NKY, NKY, etc.





3d 3h

Table with columns for station call letters, frequency, and various signal quality metrics (e.g., SNR, S/N, etc.). Includes stations like UTTA, KMI, HHC, etc.

2013 FEB

Table with columns for station call letters, frequency, and various signal quality metrics. Includes stations like HYT, L04D, CMB, etc.

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Table with columns for station call letters, frequency, and various signal quality metrics. Includes stations like WMQ, 214A, NEW, etc.







Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like DAWY Dawson, DLBC Dease Lake, FMSA Fort Smith, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like FRB Frobisher Bay, VIMO Victor Mine, BWO6 Boulder Array, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like RDWB Redoubt West, RSO Redoubt South, GLI Glacier Island, etc.

IDC 03 05:06:16.8-3.2, 3.51S, 151.59E, h0km, mb3.4/3, mb1 3.6/3, mb1mx3.3/4.3, mbmt3.4/3, MS3.1/1, Ms1 3.1/1, ms1mx2.6/1.8, Error ellipse: s-maj=119.1km s-min=43.7km az=121.0, New Ireland region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Cross, etc.

IDC 03 05:13:37.9-1.2, 6.2288N, 150.88W, h85km, 13km, mb3.7/1.8, mb1 3.9/2.3, mb1mx3.7/5.9, mbmt4.1/2.3, Error ellipse: s-maj=16.0km s-min=9.1km az=122.0

ISCJBJ 03 05:13:38.6-0.2, 6.2288N, 150.02-150.67W, 0.04, h110km, 2km, mb4.0/1.9, Error ellipse: s-maj=3.1km s-min=2.6km az=19.7

NEIC 03 05:13:40.0-0.0, 6.2288N, 150.70W, h97km, ML3.9(AEIC), After AEIC

ISC 03 05:13:39.4-0.6, 6.2288N, 150.03-150.70W, 0.04, h100km, 5km, n137, 0.95S, 159, mb4.0/2.0, Central Alaska

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like HUR Hurricane, THF Thorofare Moun, PPLA Purkeypille, etc.

MDD 03 05:17:56.5-0.2, 41.71N, 1.84W, h11km, mbLg3.3/4.4, Error ellipse: s-maj=2.7km s-min=1.9km az=144.0, PRXIMO

MDD EMS: III INTENSIDAD MAXIMA, SFS 03 05:17:56.0, 41.69N, 1.83W, h8km, ML3.3, BERATON (SORIA)

LGD 03 05:17:56.7-0.0, 41.72N, 1.82W, h8km, Md3.4/2, Ml3.6/2.8, Error ellipse: s-maj=1.3km s-min=0.8km az=142.0

IGIL 03 05:17:56.3, 41.69N, 1.83W, h8km, ML2.8, INMG 03 05:17:57.0, 42.2, 41.69N, 1.83W, h14km, 5km, ML3.3, Error ellipse: s-maj=2.5km s-min=2.3km az=104.0

STR 03 05:17:58.2, 1.0, 42.1N, 5.5, h10km, M3.6/6, mb3.5/2, n183, r182/355, 13C-6D, Spain

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ESAC San Caprasio, EAC Aranguren, EARA Aranguren, etc.



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Espera, Beja, Bois d'Angland, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Vila Bisbo, La Foliniere, La Plagne, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Torodi Ar. Sit, Redoubt South, Zalesovo Beam, etc.



Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Erlin, Minshiang, Tanshuan, Hatuema jima, etc.

KRNET 03 05:49:55.01.1,39.28N:71.96E,h6km,mb2.2,10C-6D,

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Karamyk, Sufi-Kurgan, Arslanbob, etc.

IDC 03 05:50:44.9:8.1,37.38N:84.95E,h0km,mb1.3,3/3, mb1mx3.1/36,mbmp3.3/3,ML3.0/3, Error ellipse: s-maj=111.7km s-min=39.9km az=50.0

NNC 03 05:50:45.7:4.3,37.62N:85.12E,h2km,az24km,mb3.7, mpv3.6, Error ellipse: s-maj=31.4km s-min=28.7km az=69.0

ISC 03 05:50:46.8:2.7,37.5N:02.85E:0.1,h10km,n7, a122/11,5C-6D,Southern Xinjiang

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Podgornoye, Makanchi, Manas, etc.

NNC 03 05:50:54.6:3.1,39.29N:71.95E,h0km,mb2.7,mpv2.5,

3C-3D, Error ellipse: s-maj=29.0km s-min=13.0km az=177.0,Tajikistan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Sufi-Kurgan, Manas, Karatay Array, etc.

SJA 03 06:18:01.0:0.7,32.28S:70.54W,h11km,5km,ML2.5, MW3.2

GUC 03 06:18:03.0:0.3,32.40S:70.53W,h29km,6km,ML2.5

ISC 03 06:18:01.9:1.2,32.34S:03.70:54W:0.04,h19km,3km,n13,+047/25,2C-1D,Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like EI Roble, Feldehue, Uspallata, etc.

ISC/CB 03 06:20:46.7:0.4,0.61N:0.05:67.29E:0.07,h10km, mb4.3/21,MS3.6/18, Error ellipse: s-maj=10.3km s-min=7.6km az=169.6

IDC 03 06:20:47.5:0.9,0.63N:67.19E,h0km,mb3.9/10, mb1.4/10,mb1mx3.8/52,mbmp3.9/10,ML5.2/1,MS3.7/19, MS1.3/719,ms1mx3.5/39, Error ellipse: s-maj=25.8km s-min=19.5km az=146.0

NEIC 03 06:20:49.0:0.4,0.67N:67.22E,h10km,mb4.8/8, Error ellipse: s-maj=10.1km s-min=7.0km az=155.0

ISC 03 06:20:49.1:0.6,0.65N:0.08:67.34E:0.09,h0km,n56, a127/39,mb4.3/21,MS3.7/18,Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Diego Garcia H, Hanimaadhooh, Minicoy, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Zalesovo Beam, Zalesovo Beam, Zalesovo Array, etc.

IDC 03 06:20:48.4:1.9,6.58S:130.24E,h117km,18km,mb4.0/16, mb1.4/2.0,mb1mx4.1/41,mbtmp4.5/20,MS2.7/2, MS1.2/72,ms1mx2.4/33, Error ellipse: s-maj=21.8km s-min=10.0km az=89.0

ISC/CB 03 06:20:49.4:0.2,6.59S:03:130.27E:0.03,h146km, mb4.5/36, Error ellipse: s-maj=4.9km s-min=3.6km az=3.0

NEIC 03 06:20:51.7:0.7,6.61S:130.15E,h153km,7km,mb4.6/24, Error ellipse: s-maj=7.4km s-min=5.7km az=83.0

DJA 03 06:20:52.5:0.2,7.52S:13.0E,h140km,4km,M4.9/23, mb5.3/4,mb4.9/23,MLv5.4/12,Mw(mB)4.8/14

ISC 03 06:20:51.2:0.4,6.58S:03:130.18E:0.05,h146km,n97, a1989/105,mb4.6/39,1C-1D,Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like Saumlaki, Saumlaki, Saumlaki, etc.





**MW3.5, Near coast of central Chile**

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
ISC	Op		ISC	h m s	ISC
AUSP	Uspallata	1.72 91	i P	07 36 45.6	-0.1
RTLS	Leoncito	1.85 78	i P	07 36 48.1	+0.3
ARCO	comp=Z,25nm,0.6s			07 37 27.6	
ARCO	CERRO ARCO	2.20 108	i P	07 36 52.1	-1.5
ARCO	comp=Z,16nm,0.5s			07 36 57.6	
ASAL	Salagasta	2.22 101	i P	07 37 20.2	-0.3
AAGR	Agrelo	2.36 113	i P	07 36 53.0	-1.0
AMOG	MÖGNA	2.79 64	i P	07 36 54.7	-1.7
				07 37 00.6	+2.7

ISC/JB 03 07:37:19.6:0.3,24.26N:0.1:121.83E:0.02,h12km,2km,  
 Error ellipse: s-maj=2.4km s-min=1.6km az=27.7  
 JMA 03 07:37:19.2:0.1,24.25N:121.82E:1.0km,2km,M2.8  
 TAP 03 07:37:19.6,24.27N:121.81E,h16km,ML3.5,B  
 ISC 03 07:37:19.6:0.8,24.26N:0.02:121.82E:0.02,h15km,6km,  
 n111,c0657/155,1C-19D,Taiwan

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
ISC	Op		ISC	h m s	ISC
ENA	Nanau	0.18 337	i P	07 37 23.9	0.0
ENA	baz=339				
NACB	Ninganchiao	0.22 247	i P	07 37 27.4	-0.2
NACB	baz=241				
TWD	Chiawan	0.27 228	i P	07 37 25.5	+0.1
TWD	baz=231				
HWA	Hwalien	0.34 215	e P	07 37 30.0	0.0
TWC	Suao	0.35 5	i P	07 37 26.8	0.0
TWC	baz=10.0				
EOS1	EOS1	0.40 45	e P	07 37 28.7	+0.2
EOS1	baz=38				
ENLB	Shoufeng	0.41 209	e P	07 37 35.7	+1.3
ENLB	baz=217				
NNSB	Datong	0.43 293	i P	07 37 28.4	+0.1
NNSB	baz=292				
NDT	Datong Townshi	0.44 321	i P	07 37 28.6	-0.5
NDT	baz=320				
ENTT	Nioudou	0.44 329	i P	07 37 28.6	-0.6
ENTT	baz=328				
NNS	Nan Shan	0.44 294	i P	07 37 28.5	0.0
NNS	baz=293				
TWE	Neicheng	0.48 343	i P	07 37 29.3	-0.5
TWE	baz=344				
ILA	Ilan	0.51 353	e P	07 37 30.3	0.0
ILA	baz=347				
WHF	Hehuan Shan	0.52 257	i P	07 37 29.8	-0.3
WHF	baz=258				
ENSL	Shilin	0.57 218	i P	07 37 30.7	-0.1
ENSL	baz=225				
YHNB	Yeheng	0.57 315	i P	07 37 31.0	-0.4
YHNB	baz=315				
TWT	Tachien	0.59 269	P	07 37 31.5	-0.2
TWT	baz=269				
NSK	Sanguang	0.59 315	i P	07 37 31.1	-0.1
NSK	baz=314				
NWL1	Wulai	0.59 331	e P	07 37 31.3	-0.4
NWL1	baz=330				
EGS		0.59 10	e P	07 37 31.8	+0.1
NTC	Toucheng	0.59 1	i P	07 37 31.2	-0.1
TDCB	Techi	0.60 269	i P	07 37 31.5	-0.4
TDCB	baz=269				
CHGB	Renai	0.62 251	e P	07 37 31.8	-0.1
CHGB	baz=247				
OWD	Renai	0.66 243	e P	07 37 32.3	-0.3
EGFH	Guangfu	0.69 211	e P	07 37 33.7	+0.3
TIPB	Shuangxi	0.71 1	i P	07 37 33.4	0.0
TIPB	baz=359				
TWA	Mucha	0.75 343	e P	07 37 33.9	-0.3
TWA	baz=344				
TWB1	Santiao Chiao	0.76 12	e P	07 37 33.5	-0.9
TWB1	baz=12				
TATO	Taipei	0.77 337	e P	07 37 34.5	-0.2
TATO	baz=331				
WLTB	Daxi	0.78 319	e P	07 37 35.6	-0.5
WLTB	baz=319				
WHP	Taichung City	0.80 271	e P	07 37 35.3	0.0
WHP	baz=272				
VWDT	VWDT	0.80 231	e P	07 37 34.8	-0.4
VWDT	baz=238				
NWF	Wu-fen Shan	0.81 358	e P	07 37 35.3	-0.1
NWF	baz=357				
WFSB	Wu-fen Shan	0.81 358	i P	07 37 35.4	0.0
WFSB	baz=349				
LIQB	Emei	0.82 298	e P	07 37 35.9	+0.2
LIQB	baz=298				
NSTT	Nanjuang	0.83 296	i P	07 37 35.8	0.0
NSTT	baz=296				
HGSD	Ruisui	0.85 205	e P	07 37 36.0	-0.1
HGSD	baz=197				
EHY	Hungye	0.88 211	e P	07 37 35.6	-1.1
NCUH	Zhongli	0.91 321	e P	07 37 37.3	+0.1
NCUH	baz=321				
YM01	YM01	0.91 346	e P	07 37 37.5	+0.3
YM01	baz=344				
NCU	National Centr	0.91 321	e P	07 37 37.0	-0.1
NCU	baz=317				
TWS1	Kuangyinshan	0.91 337	e P	07 37 37.4	+0.2
TWS1	baz=335				

TWS1	baz=335	e S	Sn	07 37 51.4	+0.6
SMLT	Sun Moon Lake	0.92 246	e P	07 37 37.2	-0.2
SMLT	baz=241				
SSLB	Suanglung	0.92 239	e P	07 37 37.0	-0.4
SSLB	baz=249				
YSL4	YM04	0.92 344	e P	07 37 37.6	+0.2
YSL4	baz=342				
YM04	YM04	0.92 344	e S	07 37 50.3	+0.8
YM04	baz=342				
SBCB	Hsinchu	0.93 305	e P	07 37 37.7	-0.4
SBCB	baz=305				
YM05	YM05	0.93 346	e P	07 37 37.5	0.0
YM05	baz=345				
YM11	YM11	0.93 346	e P	07 37 37.9	-0.4
YM11	baz=345				
YSN	YSN	0.94 305	e P	07 37 38.4	+0.1
YSN	baz=308				
YM08	YM08	0.94 347	e P	07 37 37.5	-0.4
YM08	baz=347				
TYC	Yuchr	0.95 248	e P	07 37 37.4	-0.4
TYC	baz=249				
TWQ1	Liyutan	0.96 275	i P	07 37 38.8	+0.3
TWQ1	baz=276				
TWQ1	TWQ1	0.96 275	e S	07 37 51.3	-0.7
TWQ1	baz=276				
NTST	Danshui	0.96 340	e P	07 37 38.5	-0.1
NTST	baz=327				
NMLH	Miaoli	0.98 287	e P	07 37 39.0	+0.2
NMLH	baz=287				
YULB	Yuli	0.99 209	e P	07 37 37.7	-0.8
YULB	baz=221				
YULB	YULB	0.99 209	e S	07 37 51.3	-0.1
YULB	baz=221				
TWF1	Yuli	1.02 208	e P	07 37 37.5	-1.6
TWF1	baz=222				
TWY	Chenhua	1.03 349	e P	07 37 39.7	+0.2
TWY	baz=349				
JYNG	Yonagunijimaku	1.04 79	P	07 37 38.8	-0.6
JYNG	baz=345				
WHY	Xinyi Township	1.05 238	e P	07 37 38.7	-0.2
WHY	baz=239				
TCU	Taichung	1.05 264	e P	07 37 40.2	+0.4
TCU	baz=265				
WDJ	Dajia District	1.08 275	e P	07 37 40.8	+0.6
WDJ	baz=276				
WDJ	WDJ	1.08 275	e S	07 37 56.8	+1.9
WDJ	baz=276				
WJS	Zhushan	1.09 247	e P	07 37 41.0	+0.6
WJS	baz=241				
WNT	Mingjian	1.10 250	e P	07 37 40.5	0.0
WNT	baz=242				
YOJ	Yonaguni jima	1.10 79	i P	07 37 40.7	-0.3
YOJ	baz=69				
YOJ	YOJ	1.10 79	e P	07 37 57.2	+1.6
YOJ	baz=69				
YOJ	YOJ	1.10 79	P	07 37 40.6	0.0
YOJ	baz=69				
WCHH	Zhanghua	1.17 261	e P	07 37 42.4	+0.3
WCHH	baz=263				
CHKT	Chengkung	1.23 200	e P	07 37 41.1	-1.2
CHKT	baz=186				
CHN5	Chinsing	1.24 238	e P	07 37 43.1	-0.3
CHN5	baz=242				
CHN5	CHN5	1.24 238	e S	07 38 01.0	+1.4
CHN5	baz=242				
WGK	Gulien	1.28 244	e P	07 37 44.1	-0.3
WGK	baz=246				
ELDTW	Lidau	1.30 215	e P	07 37 43.3	0.0
ELDTW	baz=204				
WDLH	Douliu	1.30 244	e P	07 37 44.2	-0.5
WDLH	baz=247				
PCYT	Pengchaiyu	1.38 10	e P	07 37 44.4	0.0
PCYT	baz=6.0				
PCYT	PCYT	1.38 10	e S	07 38 03.5	-0.8
PCYT	baz=6.0				
RLNB	Erlin	1.38 255	e P	07 37 44.1	-0.2
RLNB	baz=257				
CHN2	Minshiang	1.43 240	e P	07 37 47.6	+0.5
CHN2	baz=228				
CHN4	Pingtang	1.44 231	e P	07 37 46.5	+0.3
CHN4	baz=235				
TPUB	Ta-pu	1.45 229	e P	07 37 45.8	-0.6
TPUB	baz=232				
STYT	Tauyuan	1.46 222	e P	07 37 45.3	-0.3
STYT	baz=225				
CHY	Chiayi	1.49 239	e P	07 37 47.5	-0.7
CHY	baz=229				
WTP	Ta-pu	1.50 228	e P	07 37 46.9	-0.2
WTP	baz=231				
TWK	Hsinying	1.57 231	e P	07 37 47.7	-0.7
TWK	baz=234				
TWGB	Beinan	1.59 205	e P	07 37 47.1	-0.1
TWGB	baz=195				
TWG	Pinlang	1.59 206	e P	07 37 46.2	-1.0
TWG	baz=195				
SNST	Tainan City	1.59 230	e P	07 37 49.3	+0.5
SNST	baz=233				
CHN1	Nanshi	1.60 228	e P	07 37 48.0	+0.6
CHN1	baz=231				
SGST	Jiashian	1.63 224	e P	07 37 48.7	-0.7
SGST	baz=228				
SLGT	Litou	1.66 221	e P	07 37 48.8	+0.6
SLGT	baz=224				
IRIF	Iriomote-Funau	1.75 87	P	07 37 49.2	-0.2
IRIF	baz=87				
SSD	Sandimen	1.86 216	e P	07 38 12.1	+0.7
SSD	baz=216				
MASBT	Mashibuluo	1.97 214	e P	07 37 52.9	+0.4
MASBT	baz=217				
JKRS	Kuro-shima	2.00 90	P	07 37 53.6	+0.7
JKRS	baz=90				
JKRS	JKRS	2.00 90	e S	07 38 19.9	-0.5
JKRS	baz=90				
EAST	Anshuo	2.07 206	e P	07 37 54.6	+0.7
EAST	baz=199				
JJJ	Ishigaki jima	2.12 87	P	07 37 54.5	-0.1
JJJ	baz=87				
SCZT	Fangliu	2.18 211	e P	07 38 21.1	+0.4
SCZT	baz=199				
PNG	Penghu	2.18 252	e P	07 37 56.5	+1.2
PNG	baz=254				
PHBT	P'eng-hu	2.19 251	e P	07 37 54.7	-0.8
PHBT	baz=254				
WDG	Dungji	2.21 244	e P	07 37 56.1	+0.2
WDG	baz=246				
LAY	Lan-yu	2.23 186	e P	07 37 54.0	-2.0
LAY	baz=192				
PTTC	Pingtang	2.23 304	e P	07 37 55.5	-0.6
PTTC	baz=302				
WVUC	WVUC	2.27 289	e P	07 37 56.2	-0.5
WVUC	baz=288				
JISG	Ishigakijimahi	2.29 81	S	07 38 25.8	+0.9
JISG	baz=81				
VCHM	Qimei	2.43 245	e P	07 37 59.6	+0.8
VCHM	baz=248				
MATB	Ma-tsu	2.53 318	e P	07 37 59.9	-0.3
MATB	baz=315				
PTMJ	Houxiangcun	2.58 288	e P	07 38 00.5	-0.3
PTMJ	baz=287				
LYJZ	Jianjiangzhen	2.94 321	e P	07 38 05.6	-0.3
LYJZ	baz=318				
XPSS	Dashijiu	3.04 331	e P	07 38 06.1	

3d 9h

Table with columns: YOJ, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

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Table with columns: OWD, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

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Table with columns: KLBRR, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

ISCJB 03 08:24:17.9:0.6, 33:60N, 0:06:138:79E:0:05, h238km, 3km, mb3, 1/9, Error ellipse: s-maj=10.2km s-min=7.3km az=168.8

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

MOS 03 09:10:50.3:0.5, 52:18N, 157:97E, h190km, mb4, 1/1, Error ellipse: s-maj=35.5km s-min=9.7km az=73.9









Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Podgomoye, CHKK, ARXS, ARKS.

ISCJB 03 10:34:41.3:1.0, 52.69N:0.04:132.33W:0.09, h13km, 5km, mb3.6/4, Error ellipse: s-maj=10.0km s-min=5.2km

IDC 03 10:34:41.8:1.2, 52.69N:132.58W, h0km, mb3.7/4, mb1 3.6/6, mb1mx3.4/35, mbtmp3.5/6, ML3.2/2, Error ellipse: s-maj=27.5km s-min=10.2km az=91.0

PGC 03 10:34:42.8:1.1, 52.73N:132.29W, h20km, ML3.6/13, 66km southwest of Sandspit, Bc Haida Gwaii Region

ISC 03 10:34:43.2:1.5, 52.74N:0.06:132.26W:0.07, h10km, 9km, n28, r1520/11, mb3.8/4, Queen Charlotte Islands region

Main station list table for the first section, including stations like Mitchell Dam, Barry Inlet, Moresby Island, Dawson Inlet, etc.

KRSC 03 10:35:02.8:1.9, 49.57N:156.71E, h8km, 25km, ML3.8, Kuril Islands

Station list table for the Kuril Islands region, including Severo-Kuril's, PAU, KDR, etc.

DJA 03 10:35:34.8:0.8, 9°S:5°11'0E, h17km, 9km, M3.6/10, ML3.6/10, Jawa

Station list table for the Jawa region, including WanaGama, Wonogiri, Pacitan, Karang Pucung, etc.

IDC 03 10:47:10.9:1.9, 8.81S:109.96E, h0km, mb3.7/6, mb1 3.8/6, mb1mx3.5/47, mbtmp3.7/6, Error ellipse: s-maj=83.4km s-min=19.5km az=52.0

ISCJB 03 10:47:15.0:0.8, 9.19S:0.07:109.85E:0.04, h33km, mb3.6/6, Error ellipse: s-maj=9.7km s-min=5.9km az=13.7

DJA 03 10:47:16.5:1.0, 9°S:6°11'0E, h18km, 10km, M3.7/11, ML3.7/11, Jawa

ISC 03 10:47:15.9:1.0, 9.15S:0.1:109.85E:0.05, h35km, n15, r150/19, mb3.8/6, South of Jawa

Main station list table for the second section, including WanaGama, Pacitan, Cimerak, Karang Pucung, etc.

SOME 03 10:47:21.5, 42.50N:79.63E, h20km, NNC 03 10:47:22.9:0.8, 42.62N:79.57E, h0km, mb3.9, mpv3.7, Error ellipse: s-maj=5.6km s-min=2.8km az=135.0

ISC 03 10:47:20.2:1.6, 42.53N:0.04:79.59E:0.04, h2km, 10km, n84, r2513/138, 31C-31D, Lake Issyk-Kul region

Main station list table for the Lake Issyk-Kul region, including Shalkode, UZB, PDGK, SATY, KURS, etc.

Main station list table for the right section, including Boomkoye usch, KST, KUU, KAPS, DGS, etc.

GEN 03 10:47:43.6, 44.21N:10.50E, h14km, 1km, M1.7, ROM 03 10:47:43.2:0.1, 44.19N:0.01:10.49E:0.007, h16km, 1km, M2.2/4, Northern Italy

Table with columns: SARO, Station Name, Az, Phase ID, Time, Res. Includes stations like SASSOROSSO, VILLACOLLEMAND, BAGNI DI LUCCA, POPM, EQUI, MAIM, GRAIAIANA, PALMARIA, PORT.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RABUL, MANUS ISLAND, HONIARA, POHNPEI, CHARTERS TOWER, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KOLDANDA, DANGSING, PIUHAN, NOME, URUMUJ, etc.

Table with columns: GEN, ROM, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SASSOROSSO, VILLACOLLEMAND, BAGNI DI LUCCA, POPM, EQUI, MAIM, GRAIAIANA, PALMARIA, PORT.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PETK, PEAI, CM01, CM31, CD2, HHC, LZH, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KABL, CHGR, GAR, CEP, BTK, CHCP, NIL, THW, SFK, SARP, KSH, etc.





Table with columns: Station Name, Frequency, Mode, Class, and various numerical values. Includes stations like Mudanjiang, Mandailing Nat, Shenyang, etc.

Table with columns: Station Name, Frequency, Mode, Class, and various numerical values. Includes stations like Papeete2, PPT2, KLR, KMI, etc.

Table with columns: Station Name, Frequency, Mode, Class, and various numerical values. Includes stations like TAOE, ULN, ULN, ULN, etc.





3d 11h

Table with columns for station ID, name, frequency, and signal strength. Includes stations like YKA, MSO, SVE, SVU, SCUT, LCMT, Y14A, AB31, ABKAR, BGU, KNB, DUG, SRIG, HVU, U15A, MTPU, ARU, NLU, CTU, GEYT, GYA0B, MPU, AKTO, BOZ, WUAZ, JLU, TMUT, YHB, Q16A, HSIQ, AHID, TUC, REDW, YPP, P17A, LOHW, H17A, SRU, LKWW, SLBS, EGMT, W18A, PDAR, 319A, PV10, PV14, PV19, PV21, PV20, PV16, PV11, PV12.

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Table with columns for station ID, name, frequency, and signal strength. Includes stations like PV01, PV15, Q20A, SMC0, LAO, S22A, K22A, Y22D, N23A, SNA4, ISCO, PHWY, SDCO, DGMT, HPIG, Q24A, MNTX, RSSD, PRGR, T25A, VNA3, VNA1, LTX, TXAR, KSCO, MSTX, OGNE, ZAIG, AMTX, APA, KLMR, KLMR, CBK3, ABTX, JCT, ARA0, ARCS, ARCS, BGNE, U32A, 833A, LNIG, ECSD, KIV, KIV, UNM, KSU1, WHTX, 435B, KVTX, SIRT, TUL1, SPMN, SCIA, LVIG, E38A, ATD, NATX.

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Table with columns for station ID, name, frequency, and signal strength. Includes stations like FIA0, FIA0, FIA0, FIA0, FINES, FINES, F39A, W39A, C40A, G40A, X40A, COWI, H41A, I41A, JFWS, JFWS, F41A, Z41A, N41A, CCM, G42A, L42A, I42A, T42A, H42A, H42A, SLM, G43A, E43A, HDIL, HDIL, H43A, H43A, PBMO, K43A, E44A, PARMO, Q44A, Q44A, PVMO, M44A, M44A, SIUC, SIUC, FURI, FURI, AKASO, KIEV, KIEV, CCGI, Z45A, Z45A, OXF, T45A, OLIL, P45A, P45A, SFIN, SFIN, KMBO, BR10, BR10, 346A, 346A, USIN, USIN, M46A, GLMI, WVT, WVT, 147A, WCI, WCI, MYIG, MYIG.



3d 11h

Table with columns: DBIC, Dimbokro, 158.13 275 PKP, PKPdf, 11 34 52.7 +0.1, etc.

IDC 03 11:31:19.4.6.5.36.32N.66.9E, h0km, mb3.4/1, mb1 3.2/5, mb1mx3.1/58, mbtmp3.2/5, ML3.1/4, Error ellipse: s-maj=101.2km s-min=28.1km az=167.0

ISC 03 11:31:21.6.2.7.36.3N.0.2.66.9E.0.1, h35km, nr, #2870/9, 3C-10, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Includes stations like GEYT, Alibeck, 7.18 286 P, etc.

BUI 03 11:36:35.7.5.04S.153.72E, h13km, mb5.3/19, mb4.7/49, Ms5.0/7, Ms7.4/77

ISCJB 03 11:36:36.9.2.3.4.97S.0.03x.153.17E.0.0.4, h2km, 14km, mb4.8/86, MS4.4/8, Error ellipse: s-maj=6.0km

NEIC 03 11:36:39.5.0.1.4.98S.153.17E, h10km, mb4.9/62, Error ellipse: s-maj=5.3km s-min=3.4km az=85.0

DJA 03 11:36:42.0.4.5.5.5.15.3E.15.3E, h10km, M4.9/12, mb4.9/12

IDC 03 11:36:45.3.2.7.5.05S.153.08E, h54km, 24km, mb4.4/27, mb1 4.5/29, mb1mx3.3/42, mbtmp4.7/29, ML4.3/2, MS4.3/6, ML4.3/6, ms1mx3.8/36, Error ellipse: s-maj=16.3km

ISC 03 11:36:42.2.1.2.5.05S.0.05x.153.22E.0.06, h27km, 8km, n217, #1933/239, mb4.9/91, MS4.4/8, 1C-1D, New Ireland region

Main table for the 3d 11h section, listing station names, coordinates, and seismic data. Includes stations like RABUL, Rabaul, 1.36 309 P, etc.

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Main table for the 2013 FEB section, listing station names, coordinates, and seismic data. Includes stations like BKZ, Black Stump Fm, 39.96 151 eP, etc.

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Main table for the 176 section, listing station names, coordinates, and seismic data. Includes stations like TIXI, Tiksi, 78.20 352 P, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Pruhonice, Stuetta, UJC, APE, GRA1, BRG, etc.

14nm, 1.2s comp=N, 516nm, 18.8s comp=E, 409nm, 16.3s comp=Z, 853nm, 21.6s

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Lac Senin/Sane, Montbardon, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like La Forest Royal, Bardonecchia, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like La Plagne, Black Forest, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like La Plagne, La Moure, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Collm, Anoyia, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Oris-en-Rattie, Echery, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Simiane la Rot, Saint-Julien, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Signal de Mont, Oris-en-Rattie, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Signal de Mont, Avril sur Loir, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Bois d'Agland, TCF, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TCF, Mount Meron Ar, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Hagfors, NORSAR Array B, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FINES Array A, FIA1, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ARU, TORO, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DBIC, MKAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like SONM, YKA, etc.

ISC 03 12:01:14.8-1.6, 17.76S-179.66W, h0km, mb3.8/7, mb1 4.2/7, mb1mx3.9/30, mbtmp3.8/7, Error ellipse: s-maj=109.9km s-min=20.7km az=151.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like STKA, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR, TXAR, PDAR, etc.

ISC 03 12:02:00.5-1.1, 0, 17.11S-176.29W, h55km, 121km, mb3.3/6, mb1 3.4/7, mb1mx3.1/30, mbtmp4.2/7, Error ellipse: s-maj=106.8km s-min=50.3km az=134.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, CTA, STKA, etc.

ISK 03 12:03:44.3, 39.83N, 0.49E, h7km, ML2.0/4 DDA 03 12:03:45.9, 39.79N, 0.42E, h7km, 2km, ML2.5 ISC 03 12:03:46.9, 0.6, 39.87N, 0.05, 40.45E, 0.06, h2.5km, 6km, Error ellipse: s-maj=7.8km s-min=7.1km az=36.2 ISC 03 12:03:46.9, 1.0, 39.93N, 0.04, 40.42E, 0.04, h31km, 7km, n10, 0.1969/16, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KOPT, BAYB, BAYT, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BAYT, ECAT, KELT, etc.

comp=Z, 228nm, 0.2s

ISC/JB 03 12:03:47.0, 0.7, 18.7S, 0.2, 177.7W, 0.2, h600km, mb3.7/11, Error ellipse: s-maj=27.0km s-min=12.9km az=143.5

IDC 03 12:03:49.8, 4.8, 18.73S, 177.71W, h624km, 66km, mb3.2/11, mb1 3.4/13, mb1mx3.2/30, mbtmp4.1/13, Error ellipse: s-maj=34.1km s-min=20.4km, az=4.0

ISC 03 12:03:48.1, 0.9, 18.6S, 0.2, 177.7W, 0.2, h600km, n14, 0.883/14, mb3.5/11, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, URZ, CTA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like STKA, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FITZ, PETK, NVAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TXAR, ILAR, PDAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like YKA, ARCS, etc.

IDC 03 12:08:51.2, 2.1, 28.38N, 140.82E, h0km, mb3.2/2, mb1 3.4/4, mb1mx3.2/36, mbtmp3.3/4, ML3.0/2, Error ellipse: s-maj=76.8km s-min=29.9km az=72.0, Bonin Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JCJ, CCJ, MJAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR, PDAR, etc.

IDC 03 12:09:42.7, 1.0, 5.01S, 152.99E, h0km, mb3.8/6, mb1 4.0/6, mb1mx3.7/35, mbtmp3.9/6, Error ellipse: s-maj=31.2km s-min=26.1km az=99.0

ISC/JB 03 12:09:47.3, 1.2, 5.1S, 0.2, 153.0E, 0.2, h43km, mb3.7/6, Error ellipse: s-maj=26.2km s-min=23.0km az=153.9

ISC 03 12:09:49.0, 1.1, 5.1S, 0.2, 153.0E, 0.2, h43km, n9, 0.897/10, mb3.8/6, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR, FITZ, MKAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ZALV, GERES, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TORO, BDFB, etc.

ISC 03 12:21:19.4, 0.7, 47.58N, 150.87E, h0km, mb3.6/11, mb1 3.9/16, mb1mx3.7/50, mbtmp3.7/16, ML3.1/5, Error ellipse: s-maj=22.7km s-min=13.6km az=133.0

ISC/JB 03 12:21:22.0, 0.5, 47.60N, 0.05, 150.79E, 0.07, h33km, mb3.6/10, Error ellipse: s-maj=7.6km s-min=5.5km az=135.1

SKHL 03 12:21:24.3, 0.6, 47.45N, 150.56E, h151km, 10km, mb5.2/5, mbh5.5/1, msh5.0/3

ISC 03 12:21:24.2, 0.6, 47.54N, 0.06, 150.80E, 0.07, h35km, n33, 0.183/30, mb3.6/10, Kuri Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KUR, KUR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KUR, KUR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KUR, KUR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KUR, KUR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KUR, KUR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KUR, KUR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PAU, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TYV, TYV, etc.

ISC/JB 03 12:49:24.4, 0.6, 14.68S, 0.09, 73.66W, 0.09, h87km, mb3.5/4, Error ellipse: s-maj=17.4km s-min=5.7km az=42.2

IDC 03 12:49:26.5, 1.5, 14.43S, 73.48W, h89km, 13km, mb3.4/4, mb1 3.8/9, mb1mx3.6/29, mbtmp4.0/9, MS3.1/1, Ms1 3.3/1, ms1mx2.8/14, Error ellipse: s-maj=35.7km s-min=10.2km az=31.0

ISC 03 12:49:25.8, 0.8, 14.63S, 0.09, 73.63W, 0.09, h87km, n13, c248/17, mb3.6/4, Central Peru

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NNA Nana, NNA NNA, LPAZ La Paz, etc.

IDC 03 13:05:13.8-1.4, 18.00S-175.92W, h0km, mb3.6/4, mb1 3.9/4, mb1mx3.6/3.3, mbtmp3.7/4, MS4.4/1, Ms1 4.4/1, m1mx2.9/2.9, Error ellipse: s-maj=51.9km s-min=27.4km az=142.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RAO Raoul Island, URZ Urewera, WRA Warramunga Arr, etc.

ISC/JB 03 13:15:32.7, 0.4, 3.32N, 0.02, 77.78W, 0.04, h74km, 5km, mb3.4/7, Error ellipse: s-maj=6.5km s-min=3.7km az=20.2 RSNC 03 13:15:34.2, 0.9, 3.27N, 77.77W, h62km, 7km, ML3.7, Mw3.8

IDC 03 13:15:35.6, 2.4, 3.26N, 77.59W, h86km, 22km, mb3.2/7, mb1 3.6/11, mb1mx3.5/2.9, mbtmp3.7/11, Error ellipse: s-maj=25.6km s-min=18.0km az=57.0

ISC 03 13:15:33.7, 0.9, 3.31N, 18.04W, 77.71W, 0.05, h64km, 8km, n40, r129/56, mb3.4/7, 3C-SD, Near west coast of Colombia

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GRGC Isla de Gorgon, MALC Bahia Malaga, YOTC Yotoco, SOTA Rioblanco, PCON Cinco Dias, etc.

Table with columns: ILAR, TORD, KURBS, MKAR, ASAR, WRA. Includes station names and coordinates.

GUC 03 13:21:02.4, 0.6, 20.88S, 67.97W, h216km, 6km, ML3.7, 6C, Southern Bolivia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PB08 IPOC Station P, PB01 IPOC Station P, etc.

ISC/JB 03 13:29:55.6, 0.5, 56.79S, 0.07, 30.5W, 0.2, h10km, mb4.3/11, MS4.1/12, Error ellipse: s-maj=16.3km s-min=8.2km az=151.2

IDC 03 13:29:55.6, 0.6, 56.87S, 30.42W, h0km, mb4.2/9, mb1 4.3/10, mb1mx4.2/2.3, mbtmp4.2/10, ML4.0/11, MS4.1/14, MS1 4.1/14, ms1mx4.0/2.2, Error ellipse: s-maj=25.5km s-min=17.1km az=77.0

NEIC 03 13:30:01.0, 2.1, 5.6, 89S, 30.54W, h41km, 19km, mb4.8/7, Error ellipse: s-maj=19.5km s-min=11.7km az=65.0

GCMT 03 13:30:02.0, 0.3, 57.05S, 0.02, 30.42W, 0.03, h12km, MW5.0/81, Moment Tensor Solution, s15, c18, s91, c107, Duration: 0 Moment tensor: Scale 1019Nm; M=0.97, 1.2; Mw=0.65; 13; Mw=1.63; 10; Mw=1.33; 34; Mw=2.74; 08; Mw=0.37; 31; Best double couple: M=3.37300x10^12 NP1: 1.06, 0.00000, 0.73, 0.00000, -1, -153, 0.00000, -2; q=7.00000, 865, 0.00000, -1, -18, 0.00000. Principal axes: T 3.5020, Plg6.0000, Azm235.0000; N -0.2520, Plg59.0000, Azm135.0000; P -3.2440, Plg30.0000, Azm328.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 03 13:29:57.4, 0.5, 56.85S, 0.10, 30.5W, 0.1, h10km, n55, r1547/42, mb4.4/11, MS4.1/12, South Sandwich Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, etc.

Table with columns: TOAO, TORD, TORD, TOA1, RPZ, TBI, PPT2, PPT, TAOE, KEST, ASAR, AS31, BOZ, CMAR, YKA, YKA, YKB5, ZALV, ZAA1, INK, INK, IL1, IL1, ILAR, ILB, SONAO, SONM. Includes station names and coordinates.

ISN 03 13:36:18.1, 1.0, 9.35, 66N, 45.42E, h0km, 3km, ML3.3 TEH 03 13:36:19.7, 35.67N, 45.50E, h10km, ML3.4 ISK 03 13:36:23.3, 35.78N, 45.48E, h68km, 1km, ML3.6/4 DDA 03 13:36:50.1, 37.24N, 44.06E, h7km, 8km, ML3.0

ISC 03 13:36:21.1, 3.1, 35.62N, 0.03, 45.2E, 0.04, h14km, 23km, n47, r143/55, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IKRK Kirkuk, IKRIL Lien, IGHH Ghaleghazi, IVIS Veis, MSL Mosul, etc.

MAN 03 13:40:00.9, 11.97N, 125.76E, h14km, MS3.1, 2C-1D



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like BESP Borongan, PLP Palo, CNP Catamaran, OCLP Ormoc, etc.

Table with columns: MATI, Mati, 2.17 173 eP, Pg, 13 47 59.6 -2.5. Includes stations like KCP Kidapawan, OCLP Ormoc, CTSB Cotabato-PC H, etc.

Table with columns: MAT, Matsushiro, 1.87 305 P, Pn, 14 04 24.0 -0.2. Includes stations like JHJ Hachioji jima 2, JCJ Chichijima, etc.

IDC 03 13:40:54.6; 2.8, 0.44N, 123.46E, h257km, 2.7km, mb2.9/5, mb1 2.9/6, mb1mx2.7/5.3, mbtmp3.4/6, Error ellipse: s-maj=82.9km s-min=12.4km az=67.0, Minahassa Peninsula, Sulawesi

IDC 03 13:51:30.5; 5.2, 29.03N, 141.24E, h0km, mb3.2/2, mb1 3.4/3, mb1mx3.1/5.5, mbtmp3.2/3, ML2.6/1, Error ellipse: s-maj=317.7km s-min=33.8km az=81.0, Southeast of Honshu

IDC 03 14:04:16.9; 0.2, 43.20N, 0.01:0.23W, 0.01, h13km, 1km, Error ellipse: s-maj=2.0km s-min=1.7km az=168.3, Kurchatov Arra 46.14 309 P

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like FITZ Filtroz Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like MJAR Matsushiro Arr, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like PYLO Lourdes, REYF Montagne du Re, LABF Labassere, etc.

ISCJCB 03 13:46:43.9; 0.4, 42.70N, 0.04:143.27E, 0.05, h19km, 2km, mb3.6/12, Error ellipse: s-maj=67km s-min=5.3km az=144.0

IDC 03 13:51:32.7; 1.8, 60.18N, 24.98E, h0km, mb1 3.1/3, mb1mx2.8/5.6, mbtmp3.0/3, ML2.1/3, Error ellipse: s-maj=20.2km s-min=8.0km az=147.0

ISC 03 14:04:18.0; 0.6, 43.11N, 0.02:0.22W, 0.01, h15km, 5km, n137, r184/236, Pyrenees

JMA 03 13:46:45.8; 0.1, 42.73N, 143.24E, h104km, 1km, M3.2, IDC 03 13:46:45.1; 3, 42.79N, 143.32E, h127km, 9km, mb3.3/12, mb1 3.4/13, mb1mx3.2/6.9, mbtmp3.7/13, Error ellipse: s-maj=21.5km s-min=13.5km az=90.0

IDC 03 13:51:33.1; 0.1, 60.21N, 24.84E, h1km, ML1.7, ML1.6(SUP), Confirmed Earthquake UPP 03 13:51:34.4; 2.1, 60.16N, 24.69E, h0km, ML1.6, Suspected explosion

ISC 03 13:51:31.9; 1.2, 60.21N, 0.03:24.91E, 0.03, h5km, 9km, n11, r183/54, Finland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like JCH Churui, JCH Tokachihiroo, JTHR JOB, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like MEF Matsushiro, MEF Nurmijarvi, MEF Pernaja, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like REYF Montagne du Re, LABF Labassere, VIEF Vief, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like JEM Erimo, JAR Ashorobuto, JIAM Ibiatsumo, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like FIAO FINESS Array B, FIAO FINESS Array A, FINES, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like ECHS Chisagues Biel, ECHI Chisagues Biel, ECHI Chisagues Biel, etc.

IDC 03 13:47:15.8; 1.8, 9.13N, 127.01E, h0km, mb3.2/3, mb1 3.4/4, mb1mx3.2/5.7, mbtmp3.4/4, ML3.9/1, MS2.6/1, Ms1 2.6/1, ms1mx2.4/17, Error ellipse: s-maj=44.2km s-min=26.4km az=117.0

JMA 03 13:47:24.0; 8.98N, 125.67E, h13km, MS3.8, IDC 03 13:47:20.3; 1.3, 9.11N, 125.97E, 0.06, h17km, 8km, n17, r261/26, mb3.1/3, 1C-4D, Mindanao

ISC 03 14:03:53.1; 0.6, 35.15N, 0.04:140.13E, 0.05, h74km, 4km, mb3.2/3, Error ellipse: s-maj=7.7km s-min=5.1km az=148.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like BUTP Butuan, SCPH Surigao, BIPH Bislig, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like JCN Nagara, JCN Sammamutao, TOK TOK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC. Includes stations like EARA Aranguren, EARA Aranguren, CTRE Tremp, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like FNEB Nbiais, FNEB Livvia, CLLI Livvia, VALF Valceboillere, MTLF Montoliou, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like PBRG Braganca, LOR Lormes, LOR Lormes, LOR Lormes, LOR Lormes, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, h, m, s, ISC. Rows include stations like JHJ Hachiojima 2, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, KURBB Kurchatov Arra, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TNS5 Tian-Shan, CHKK Chushkaly, etc.

ISCJB 03 15:41:42.4±0.8, 0.95N±0.06:97.01E±0.06, h25km, mb3.3/5, Error ellipse: s-maj=10.3km s-min=5.7km az=42.7
IDC 03 15:41:43.8±6.4, 1.46N±97.81E, h0km, mb3.3/5, mb1 3.3/5, mb1mx3.2/45, mbtmp3.3/5, Error ellipse: s-maj=325.7km s-min=23.4km az=55.0
DJA 03 15:41:44.7±0.9, 1.1N±6.9°E±1.1, h33km±6km, M3.3/6, ML3.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GSI Gunungsitoli, PBSI Pulau Batu, etc.

DDA 03 15:54:26.6, 37.46N±38.61E, h7km±1km, ML2.5
ISK 03 15:54:26.6, 37.42N±38.62E, h7km, ML1.9/7
ISCJB 03 15:54:27.3±0.6, 37.46N±0.03:38.61E±0.03, h5km±5km, Error ellipse: s-maj=5.8km s-min=4.2km az=170.1
ISC 03 15:54:27.0±0.9, 37.44N±0.03:38.63E±0.03, h11km±8km, n14, ±0.50/23, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like URFA Urfa, BOZOVA Bozova, etc.

SOME 03 16:16:04.1, 42.52N±79.72E, h20km
KRNET 03 16:16:04.6±0.1, 42.55N±79.62E, h18km, mb2.4
NCC 03 16:16:04.6±1.0, 42.57N±79.63E, h0km, mb2.7, mpv2.7, Error ellipse: s-maj=6.4km s-min=3.2km az=134.0
ISC 03 16:16:03.9±1.6, 42.52N±0.05:79.63E±0.04, h13km±11km, n37, ±1524/66, 19C-2D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SHLS Shalkode, SHLS Shalkode, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PDGK baz=53, PRZ Przhhev'sk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PDGK baz=53, PRZ Przhhev'sk, etc.

SOME 03 16:22:16.5, 42.53N±79.62E, h20km
KRNET 03 16:22:16.9±0.1, 42.61N±79.58E, h17km, mb2.2
NCC 03 16:22:16.5±1.1, 42.61N±79.60E, h0km, mb2.5, mpv2.5, Error ellipse: s-maj=7.3km s-min=3.6km az=137.0
ISC 03 16:22:14.1±1.6, 42.46N±0.06:79.72E±0.05, h15km±12km, n29, ±1511/52, 6C-10D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SHLS Shalkode, SHLS Shalkode, etc.

SOME 03 16:52:28.1±0.8, 57.91S±25.15W, h0km, mb4.0/5, mb1 4.2/6, mb1mx3.9/25, mbtmp4.0/6, ML4.1/1, MS3.2/1, Ms1 3.2/1, ms1mx2.7/24, Error ellipse: s-maj=37.2km s-min=21.8km az=73.0
ISCJB 03 16:52:31.9±0.7, 57.93S±0.09:25.15W±0.2, h40km, mb4.0/5, MS3.1/1, Error ellipse: s-maj=15.7km s-min=8.7km az=143.9
NEIC 03 16:52:33.7±1.6, 57.90S±25.04W, h37km±14km, mb4.7/4, Error ellipse: s-maj=14.9km s-min=8.8km az=57.0
ISC 03 16:52:33.7±0.7, 57.93S±0.11:25.15W±0.1, h40km, n31, ±0.62/28, mb4.1/5, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KTMS 1.8nm,0.2s, SATY Saty, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like IDC 03 16:31:29.1±1.5, 10.97S±165.37E, etc.

IDC 03 16:31:29.1±1.5, 10.97S±165.37E, h0km, mb3.7/5, mb1 3.9/6, mb1mx3.6/35, mbtmp3.8/6, ML4.1/1, MS3.4/1, Ms1 3.4/1, ms1mx2.7/20, Error ellipse: s-maj=49.5km s-min=26.9km az=130.0
ISCJB 03 16:31:31.6±1.4, 11.2S±0.2:165.5E±0.2, h30km, mb3.5/4, MS3.3/1, Error ellipse: s-maj=27.5km s-min=22.5km az=2.6
ISC 03 16:31:33.6±1.4, 11.1S±0.2:165.5E±0.2, h30km, n7, ±181/7, mb3.6/4, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dumac, CTA Charters Tower, etc.

IDC 03 16:52:28.1±0.8, 57.91S±25.15W, h0km, mb4.0/5, mb1 4.2/6, mb1mx3.9/25, mbtmp4.0/6, ML4.1/1, MS3.2/1, Ms1 3.2/1, ms1mx2.7/24, Error ellipse: s-maj=37.2km s-min=21.8km az=73.0
ISCJB 03 16:52:31.9±0.7, 57.93S±0.09:25.15W±0.2, h40km, mb4.0/5, MS3.1/1, Error ellipse: s-maj=15.7km s-min=8.7km az=143.9
NEIC 03 16:52:33.7±1.6, 57.90S±25.04W, h37km±14km, mb4.7/4, Error ellipse: s-maj=14.9km s-min=8.8km az=57.0
ISC 03 16:52:33.7±0.7, 57.93S±0.11:25.15W±0.1, h40km, n31, ±0.62/28, mb4.1/5, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, etc.





3d 17h

HATD	Hatta, Dubai	2.87 187	P	Pn	17 47 44.4 +2.0
HATD	Hatta, Dubai	2.87 187	P	Pn	17 47 43.8 +1.4
SNR=7.4					
HATD	Hatta, Dubai	2.87 187	S	Sn	17 48 21.1 +5.4
HATD	Hatta, Dubai	2.87 187	ePn	Pn	17 47 43.8 +1.4
ASHO	Ashtiyah	3.02 188	iP	Pn	17 47 46.0 +1.5
SNR=23					
ASHO	Ashtiyah	3.02 188	P	Pn	17 47 45.9 +1.5
SNR=12					
ASHO	Ashtiyah	3.02 188	S	Sn	17 48 24.9 +5.5
ASHO	Ashtiyah	3.02 188	ePn	Pn	17 47 45.9 +1.5
FAQ	Al Faqa, Dubai	3.04 196	iP	Pn	17 47 46.6 +1.8
SNR=118					
FAQ	Al Faqa, Dubai	3.04 196	P	Pn	17 47 46.5 +1.6
SNR=116					
FAQ	Al Faqa, Dubai	3.04 196	S	Sn	17 48 25.1 +5.1
FAQ	Al Faqa, Dubai	3.04 196	ePn	Pn	17 47 46.7 +1.8
GHIR	Ghir-Karzin	3.20 282	ePn	Pn	17 47 48.7 +1.6
GHIR	Ghir-Karzin	3.20 282	ePn	Pn	17 47 48.6 +1.6
ASUD	Al Ashush, Dub	3.23 200	iP	Pn	17 47 49.7 +2.3
SNR=137					
ASUD	Al Ashush, Dub	3.23 200	P	Pn	17 47 49.7 +2.3
SNR=137					
ASUD	Al Ashush, Dub	3.23 200	S	Sn	17 48 29.8 +5.2
ASUD	Al Ashush, Dub	3.23 200	ePn	Pn	17 47 49.9 +2.3
AJN	Ajban	3.40 205	iP	Pn	17 47 51.9 +2.1
SNR=25					
AJN	Ajban	3.40 205	P	Pn	17 47 51.9 +2.1
SNR=25					
AJN	Ajban	3.40 205	S	Sn	17 48 34.4 +5.5
AJN	Ajban	3.40 205	ePn	Pn	17 47 52.2 +2.4
SOHO	SOHO	3.53 180	P	Pn	17 47 50.2 -1.4
ALNE	Al Ain	3.68 191	iP	Pn	17 47 54.9 +1.3
SNR=46					
ALNE	Al Ain	3.68 191	ePn	Pn	17 47 54.6 +1.0
IMEH	Mehriz	4.06 336	ePn	Pn	17 48 00.6 +1.6
IMEH			IAMB	IAMB	17 48 14.8
comp=Z,2um,0.4s					
HOQ	Hoqan	4.14 170	ePn	Pn	17 48 01.4 +1.5
BZD1	Zahaedan-tmp	4.21 64	ePn	Pn	17 47 49.9 +2.3
SIDDI	Bidbid	4.38 161	ePn	Pn	17 48 02.4 -0.9
IKAZ	Kazeroun	4.62 298	ePn	Pn	17 48 08.5 +1.6
ISAD	Sadrabad	4.89 320	ePn	Pn	17 48 12.3 +1.8
ISAD			IAMB	IAMB	17 48 15.7
comp=Z,3um,0.2s					
IKOO	Kooshah	5.19 24	ePn	Pn	17 48 16.2 +1.7
IKOO			IAMB	IAMB	17 49 58.0
comp=Z,3um,0.8s					
TPRV	Parvadeh(Tabas	5.33 1	ePn	Pn	17 48 17.7 +1.4
MZR	Muzera	5.42 211	iP	Pn	17 48 18.6 +1.2
SNR=12					
MZR	Muzera	5.42 211	P	Pn	17 48 18.4 +0.9
MZR	Muzera	5.42 211	ePn	Pn	17 48 18.1 +0.6
IRAM	Ramesseh	5.47 320	ePn	IAMB	17 48 19.4 +1.1
IRAM			IAMB	IAMB	17 48 25.0
comp=Z,1um,0.2s					
TKDS	Koohadshi(Taba	5.94 5	ePn	Pn	17 48 26.6 +1.9
TABS	Tabas	5.97 5	ePn	Pn	17 48 27.8 +2.7
TABS	Tabas	5.97 5	ePn	Pn	17 48 27.5 +2.7
JLN	Jalan Bani Buh	6.09 154	P	Pn	17 48 25.9 -0.8
IMON	Monand	6.12 25	ePn	Pn	17 48 30.4 +3.1
IZEF	Zefreh	6.34 326	ePn	Pn	17 48 30.6 +0.2
IZEF			IAMB	IAMB	17 48 34.5
comp=Z,514nm,0.4s					
ZNGN	Zngian	6.62 313	ePn	Pn	17 48 35.8 +1.5
ROKH	ROKH	6.66 316	ePn	Pn	17 48 35.6 +0.9
IPIR	Pirpir	6.98 317	ePn	IAMB	17 48 40.3 +1.1
IPIR			IAMB	IAMB	17 48 43.2
comp=Z,1um,0.3s					
IKLH	Kolahrood	7.06 324	ePn	IAMB	17 48 41.0 +0.7
IKLH			IAMB	IAMB	17 48 43.9
comp=Z,753nm,0.3s					
KRSH	Karshahi	7.32 330	ePn	Pn	17 48 45.4 +1.7
KRSH			IAMB	IAMB	17 51 31.0
comp=N,0.0nm,1.1s					
IPAY	Payeh	8.99 13	IAMB	IAMB	17 49 43.2
comp=Z,90nm,0.4s					
IPAY	Akhelmad	9.09 11	ePn	Pn	17 49 08.5 +1.9
IYAKT	Alibek	10.31 7	ePn	Pn	17 49 10.8 +2.7
IYAKT			IAMB	IAMB	17 49 24.9 +0.4
comp=Z,0.1nm,0.3s,baz=218,slow=19,SNR=4.6					
GEYT			LR	LR	17 53 58.3
comp=Z,482nm,19.4s,baz=180,slow=41					
GYA0B	ALIBECK ARRAY	10.31 7	ePn	Pn	17 49 26.1 +1.6
THW	Thamme Wali	14.09 65	P	Pn	17 50 14.3 -2.0
CUKT	Cukurca	14.48 314	P	Pn	17 50 17.9 -3.7
CHGR	Chuyargaron	15.20 41	ePn	Pn	17 50 30.0 -1.0
comp=Z,31nm,1.3s					
SIRT	Sirnak	15.38 313	P	Pn	17 50 28.9 -4.5
SIRT	Sirnak	15.38 313	ePn	Pn	17 50 30.3 -3.1
comp=Z,102nm,1.3s					
AKDM	Akdamar-Van	15.54 317	eP	Pn	17 50 32.9 -2.7
GNI	Garni	15.81 325	ePn	Pn	17 50 37.2 -1.8
comp=Z,40nm,1.2s					
GNI	Garni	15.81 325	iP	Pn	17 50 39.6 +0.6
GAR	Garm	16.10 42	ePn	Pn	17 50 42.6 -0.1
comp=Z,46nm,1.0s					
GAR	Garm	16.10 42	ePn	Pn	17 50 42.6 -0.1
comp=Z,46nm,1.0s					
AGRB	Hanur-Agry	16.35 320	P	Pn	17 50 45.9 +0.0
GNBR	Gunib	16.62 334	iP	Pn	17 50 50.0 +0.9
MZOI	Mazidag	16.68 310	ePn	Pn	17 50 45.2 -4.9
ETLR	Gotikh	17.14 333	iP	P	17 50 57.5 +0.6
GROC	Groznyy	17.76 333	eP	S	17 51 04.0 +0.3
GROC			eS	S	17 54 23.5 -2.3
comp=Z,13nm,0.8s					
URFA	Urfa	17.80 308	P	Pn	17 51 00.8 -3.1
PTK	Petek	18.15 312	P	Pn	17 51 06.4 -1.8
ZEI	Tsey	18.23 329	eP	Pn	17 51 09.7 +0.4
ZEI			ePn	Pn	17 51 09.7 +0.4
comp=Z,14nm,0.9s					
SFK	Sufi-Kurgan	18.67 44	P	P	17 51 13.7 -0.2
SFK			ePn	Pn	17 51 13.7 -0.2
comp=Z,22nm,0.9s					
NCK	Nalchik	18.93 330	iP	Pn	17 51 17.7 +0.2
NCK			ePn	Pn	17 51 17.7 +0.2
comp=Z,18nm,1.1s					
MMAI	Mount Meron Ar	18.99 291	P	Pn	17 51 18.5 +0.2
comp=Z,1.2nm,0.3s,baz=99,slow=18,SNR=8.5					
KK31	Karatay Array	19.10 33	ePn	Pn	17 51 19.3 -0.3
KK31	Karatay Array	19.10 33	ePn	Pn	17 51 19.3 -0.3
KKAR	Karatay Array	19.10 33	ePn	Pn	17 51 19.4 -0.2
KKAR	Karatay Array	19.10 33	ePn	Pn	17 51 19.4 -0.2
NEY	Neytrino	19.14 328	iP	Pn	17 51 20.6 +0.4
NEY			ePn	Pn	17 51 20.6 +0.4
comp=Z,2.0nm,0.9s					
ARSB	Arsiabob	19.16 41	eP	P	17 51 19.4 +0.1
comp=Z,9.6nm,0.8s					
KBZ	Khabaz	19.43 329	P	Pn	17 51 23.6 +0.2
comp=Z,0.2nm,0.3s,baz=193,slow=7.1,SNR=8.9					
SHA1	Shidzhatmaz	19.55 329	iP	P	17 51 24.1 +0.6
PYAT	Pyatgorsk	19.60 330	iP	Pn	17 51 25.1 -0.4
MNAS	Mnas	19.67 37	P	Pn	17 51 23.8 -1.0
MNAS			ePn	Pn	17 51 23.8 -1.0
comp=Z,10.0nm,1.2s					
KIV	Kislovodsk	19.70 329	eP	P	17 51 26.1 +1.0
KIV	Kislovodsk	19.70 329	ePn	Pn	17 51 25.8 +0.7
comp=Z,13nm,0.9s					
KIV	Kislovodsk	19.70 329	ePn	Pn	17 51 25.8 +0.7
comp=Z,20nm,1.0s					
KIV	Kislovodsk	19.70 329	ePn	Pn	17 51 25.8 +0.7
comp=Z,26nm,14.0s					
DOMR	Dombari	19.70 326	iP	Pn	17 51 26.9 +0.0
KSH	Kashi	19.99 49	pP	Pn	17 51 25.2 -3.1
KSH			pP	Pn	17 51 31.5 +1.2
KSH			ePn	Pn	17 51 42.4 +0.2
KSH			ePn	Pn	17 51 45.8 +0.6
KSH			S	Sn	17 54 52.6 -1.8
KSH			SS	SSn	17 55 16.1 +1.9
KSH			SS	SSn	17 55 29.8 +0.9
comp=Z,40nm,0.9s					
KSH			ePn	Pn	17 55 29.8 +0.9
comp=Z,490nm,6.5s					
KSH			LR	LR	
comp=N,510nm,6.3s					
KSH			LR	LR	
comp=E,280nm,5.0s					
KSH			LR	LR	
comp=Z,450nm,6.9s					
AML	Almayashu	20.09 40	P	P	17 51 29.6 0.0

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GOF	SNR=13	20.42 332	eP	P	17 51 31.9 -0.8
GOF	SNR=13		ePn	Pn	17 51 31.9 -0.8
comp=Z,50nm,1.0s					
EKSZ	Erkin-Say	20.48 39	P	P	17 51 34.5 +0.9
SNR=23					
UCH	Uchtor	20.62 41	P	P	17 51 33.3 -2.2
SNR=8					
AAK	Ala-Archa	20.87 40	P	P	17 51 38.4 +0.5
AAK	Ala-Archa	20.87 40	eP	P	17 51 38.4 +0.5
comp=Z,7.1nm,0.8s					
AAK	Ala-Archa	20.87 40	eP	P	17 51 38.1 +0.2
AAK			ePn	Pn	17 51 38.1 +0.2
comp=Z,9.0nm,0.9s					
AAK	Ala-Archa	20.87 40	P	P	17 51 38.3 +0.5
comp=Z,5.1nm,0.8s,baz=213,slow=6.9,SNR=32					
KZA	Kyzart	20.96 42	P	P	17 51 40.8 -1.1
SNR=18					
NRN	Naryn	21.03 44	eP	P	17 51 39.9 +0.1
NRN	Naryn	21.03 44	eP	P	17 51 39.9 +0.1
comp=Z,23nm,0.9s					
NRN	Naryn	21.03 44	eP	P	17 51 39.9 +0.1
NRN			ePn	Pn	17 51 39.9 +0.1
comp=Z,23nm,0.9s					
FRU	Bishkek	21.06 39	eP	P	17 51 40.0 +0.2
KBK	Karagaybulak	21.14 40	eP	P	17 51 41.7 +0.9
SNR=5					
ULHL	Ulshol	21.65 43	P	P	17 51 47.2 +0.9
SNR=11					
TKM2	Tokmak 2	21.68 40	P	P	17 51 46.7 +0.1
TKM2	Tokmak 2	21.68 40	P	P	17 51 45.7 -0.9
comp=Z,6.0nm,0.9s					
AB31	Akbulak array	21.70 6	P	P	17 51 44.3 -2.2
AB31			ePn	Pn	17 51 44.3 -2.2
comp=Z,28nm,1.0s					
ABKAR	Akbulak array	21.70 6	eP	P	17 51 46.6 +0.1
KDJ	Kajisay	22.16 44	eP	P	17 51 54.0 +2.4
comp=Z,31nm,1.0s					
KDJ	Kajisay	22.16 44	eP	P	17 51 54.1 +2.4
comp=Z,31nm,1.0s					
BR131	Keskin Array S	22.45 308	eP	P	17 51 56.3 +1.4
BR131	Keskin Array S	22.45 308	P	P	17 51 56.7 +1.9
SNR=7.6					
BRTR	Gumbak Array B	22.45 308	P	P	17 51 55.8 +0.9
comp=Z,12nm,0.9s,baz=130,slow=11,SNR=44					
BRTR			LR	LR	18 02 25.1
comp=Z,183nm,19.0s,baz=100,slow=41					
AKTO	Aktyubinsk	22.75 2	P	P	17 51 55.7 -2.0
AKTO			ePn	Pn	17 51 55.7 -2.0
comp=Z,51nm,1.2s					
AKTO	Aktyubinsk	22.75 2	P	P	17 51 57.9 +0.1
comp=Z,22nm,0.8s,baz=193,slow=10,SNR=63					
PYUN	Pyunhan	23.37 83	eP	P	17 52 06.6 +2.1
OTUK	Orteyu	23.92 27	P	P	17 52 09.5 +0.2
OTUK			ePn	Pn	17 52 09.5 +0.2
comp=Z,5.0nm,0.6s					
KOLN	Koldanda	23.93 83	eP	P	17 52 10.8 +0.9
DANN	Dangsing	24.04 82	eP	P	17 52 12.1 +1.4
comp=Z,10nm,0.8s					
PDGK	Podgornoye	24.24 44	P	P	17 52 10.8 -1.5
PDGK			ePn	Pn	17 52 10.8 -1.5
comp=Z,11nm,1.1s					
DMN	Daman	25.29 83	eP	P	17 52 23.3 +1.1
PKIN	Pulchokki	25.55 83	eP	P	17 52 25.3 +0.8
PKI	Pulchoki	25.56 83	eP	P	17 52 25.5 +0.8
comp=Z,27nm,0.9s					
GUN	Gumbak Array B	25.93 83	eP	P	17 52 29.1 +1.0
comp=Z,37nm,0.7s					
VRH	Novokhopovsk	26.03 338	eP	P	17 52 28.6 +0.3
VRH			ePn	Pn	17 52 28.6 +0.3
comp=Z,10.0nm,0.8s					
KARP	Karpatos	26.15 295	eP	P	17 52 30.4 +0.8
comp=Z,99nm,0.9s					
JIRN	Jiri	26.23 83	eP	P	17 52 31.6 +0.7
RAMN	Ramite	26.69 85	eP	P	17 52 35.2 +0.3
VSR	Storozhevo	26.93 336	eP	P	17 52 35.1 -1.3
comp=Z,20nm,1.4s					
BRVK	Borovyoe	27.33 18	eP	P	17 52 40.3 +0.3
BRVK	Borovyoe	27.33 18	iP	P	17 52 40.3 +0.3
comp=Z,6.8nm,0.9s					
BRVK	Borovyoe	27.33 18	iP	P	17 52 40.3 +0.3
BVA0	Borovyoe Array	27.33 18	iP	P	17 52 39.8 -0.2
BVA0			ePn	Pn	17 52 39.8 -0.2
comp=Z,12nm,0.9s					
BVAR	Borovyoe Array	27.33 18	P	P	17 52 40.2 +0.1
comp=Z,3.1nm,0.3s,baz=201,slow=7.9,SNR=37					

Table with columns: BILL, comp-Z, 1.0nm, 1.3s, pmax, pmax, BATI, Baumata, 75.05 110 P P, 17 58 36.5 -0.6, INK, comp-Z, 2.9nm, 0.5s, baz=243, slow=9.0, SNR=3.5, Inuwik 4 Ar 89.85 356 P P, 17 59 24.4 -0.5, ILAR, comp-Z, 1.3nm, 1.0s, baz=113, slow=11, SNR=3.5, Eielson Array 86.06 10 P P, 17 59 34.7 -0.6, ILAR, comp-Z, 1.0nm, 0.9s, Eielson Array 86.06 10 P P, 17 59 34.6 -0.6, WRA, comp-Z, 2.0nm, 0.6s, baz=317, slow=4.5, SNR=5.1, Warramunga Arr 88.88 113 P P, 17 59 48.9 -0.7, YKA, comp-Z, 1.0nm, 0.8s, baz=313, slow=4.0, SNR=9.1, Yellowknife Ar 89.85 356 P P, 17 59 54.1 +0.7, ASAR, comp-Z, 1.6nm, 0.8s, baz=117, slow=4.0, SNR=25, Alice Springs 90.38 117 P P, 17 59 56.4 +0.4

ISCJ 03 18:10:41.8, 42:34N, 41:12E, h4km, ML2.5/5  
ISCJB 03 18:10:42.1, 42:34N, 0:04, 41:10E, 0:10, h2km, 10km,  
Error ellipse: s-maj=12.2km s-min=7.1km az=10.7  
DDA 03 18:10:43.3, 41:63N, 40:38E, h6km, 4km, ML2.7  
ISC 03 18:10:41.9, 1.7, 42:35N, 0:06, 41:10E, 0:08, h12km, 13km,  
n10, c0569/15, Western Caucasus

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h m s, ISC, BCA, Borcka, 0.99 156 P P, 18 11 01.1 -0.5, DBOC, Borcka, 1.09 157 P P, 18 11 03.3 +0.2, CHOM, comp-Z, 551nm, 0.1s, Cayell-Rize 1.28 191 PN P, 18 11 06.3 -0.1, ARTV, Artvin 1.32 152 P P, 18 11 07.9 +0.6, DBAD, Bademkaya 1.41 161 P P, 18 11 08.0 -0.2, DAGI, comp-Z, 501nm, 0.1s, Agillar 1.41 154 P P, 18 11 08.7 -0.3, KTUV, Trabzon 1.69 217 PN P, 18 11 13.2 +0.3, KIV, Kisilovodsk 1.98 35 PN P, 18 11 17.2 -0.3, BAYT, Aydintepe-Bayur 2.08 200 PN P, 18 11 18.8 -0.9, KOPR, Koprucok-ERZUR 2.43 166 PN P, 18 11 23.2 +1.7

ISCJ 03 18:11:05.8, 1:0, 48:7S, 0:1, 106:18E, 0:4, h10km, mb4.0/7,  
MS3.7/9, Error ellipse: s-maj=38.1km s-min=14.7km  
az=21.1  
IDD 03 18:11:06.2, 0.9, 48:68S, 106:78E, h0km, mb4.0/6,  
mb1 4.2/6, mb1mx3.9/27, mbtmp4.0/6, MS3.7/9, Ms1 3.7/9,  
ms1mx3.4/20, Error ellipse: s-maj=43.8km s-min=18.7km  
az=108.0  
NEIC 03 18:11:07.9, 0.7, 48:71S, 106:85E, h10km, mb4.0/1, Error  
ellipse: s-maj=29.6km s-min=11.6km az=111.0  
ISC 03 18:11:07.5, 0.9, 48:7S, 0:2, 106:9E, 0:3, h10km, n24,  
c0564/14, mb4.0/7, MS3.6/9, Southeast Indian Ridge

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h m s, ISC, H01W2, Cape Leeuwin H 14.80 24 T T, 18 29 40.0, STKA, Stephens Creek 31.03 70 LR LR, 18 27 37.6, ASAR, Alice Springs 32.85 50 P P, 18 17 41.8 +0.3, VNSA, Vanda 35.53 162 P P, 18 18 04.5 +0.5, WRA, Warramunga Arr 36.20 47 P P, 18 18 10.8 +0.4, WRAB, Tennant Creek 36.21 47 eP P, 18 18 10.8 +0.3, QSPA, South Pole Qui 41.44 180 P P, 18 18 53.6 -0.4, H08S2, Diego Garcia H 50.13 313 T T, 19 13 38.4, H08S1, Diego Garcia H 50.14 313 T T, 19 13 39.5, SNAAS, Sanae 50.22 203 P P, 18 20 03.6 +0.5, DZM, Mont Dumac 53.77 63 LR LR, 18 41 16.6, HNR, Honiara 59.03 67 LR LR, 18 44 18.2, BOSAS, Boshof 63.78 256 LR LR, 18 46 01.3, CMAR, Chiang Mai Arr 67.22 352 P P, 18 22 02.1 +0.4, SONM, Songino Array 96.15 360 LR LR, 19 10 22.3, GEYT, Alibeck 96.49 323 LR LR, 19 03 52.0, INK, Inuwik 144.79 34 PKP P, 18 30 42.7 -0.4, NVAR, Mina Array Bea 146.15 90 PKP P, 18 30 49.7 -1.2, TXAR, Lajitas Array 149.70 116 PKP P, 18 30 57.6 +0.2, YKA, Yellowknife Ar 153.36 43 PKP P, 18 31 05.0 +0.3

ISCJ 03 18:11:24.6, 0.4, 35:77N, 0:03, 140:21E, 0:05, h2km, 3km,  
mb3.4/9, Error ellipse: s-maj=6.3km s-min=4.9km  
az=160.6  
IDD 03 18:11:24.8, 1.9, 35:74N, 140:35E, h61km, 17km, mb3.1/8,  
mb1 3.4/11, mb1mx3.2/36, mbtmp3.5/11, Error ellipse:  
s-maj=23.4km s-min=11.8km az=79.0  
JMA 03 18:11:25.6, 0.1, 35:81N, 140:19E, h61km, 2km, M2.8  
ISC 03 18:11:25.6, 0.7, 35:78N, 0:04, 140:22E, 0:05, h66km, 6km,  
n27, c1910/42, mb3.4/9, Near east coast of eastern  
Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h m s, ISC, JSMT, Sammumatsuo 0.23 127 P P, 18 11 36.5 +0.5, JIHU, Itakohorinouch 0.31 54 P P, 18 11 36.3 -0.2, JCN, Nagara 0.36 182 P P, 18 11 47.4 -0.3, JYT, Yasato 0.44 357 P P, 18 11 36.9 -0.7, BSO3, Boso 3 1.01 166 P P, 18 11 43.6 -0.2, JOD2, Odawara 2 1.06 241 P P, 18 11 58.0 +0.7, JRY, Ryogami san 1.09 283 P P, 18 11 45.6 +0.4, JIM2, Oshima 3 1.24 211 S S, 18 11 46.0 -1.1, JKT, Katashina 1.25 322 P P, 18 11 47.3 0.0, BSO1, Boso 1 1.29 151 P P, 18 11 46.9 -0.2, JYFN, Fujinakano 1.38 245 S S, 18 12 05.7 -0.7, JYN, Shimob 1.39 259 S S, 18 11 49.3 +0.2, MJAR, Matushiro Arr 1.79 296 P P, 18 11 55.3 +0.9

Table with columns: MAT, Matushiro 1.79 296 P P, 18 11 55.7 +1.3, HJH, Hachijo jima 2 2.68 188 P P, 18 12 13.7 -2.6, JHU, comp-Z, 0.3s, baz=67, slow=16, SNR=4.5, ASAJ, Asahikawa 8.52 12 P P, 18 13 24.4 -1.8, ASAJ, 0.2nm, 0.3s, baz=207, slow=16, SNR=3.5, KRSR, Korea Array 10.02 283 P P, 18 13 48.5 +1.8, SONM, Songino Array 27.71 306 P P, 18 17 08.1 +0.4, MKAR, Makanchi Array 43.98 303 P P, 18 19 26.6 +0.4, KURBB, Kurchatov Arr 46.02 309 P P, 18 19 42.9 +0.6, ILAR, Eielson Array 51.06 32 P P, 18 20 19.8 -1.0, WRA, Warramunga Arr 55.70 187 P P, 18 20 54.1 -1.1, ASAR, Alice Springs 56.43 187 P P, 18 21 22.1 +0.7, AKASA, Malin Array Be 74.69 322 P P, 18 22 57.8 0.0, PDAR, Pineda Array B 79.23 45 P P, 18 23 24.4 +0.5, TXAR, Lajitas Array 91.65 52 P P, 18 24 26.0 +0.1

IDD 03 18:19:48.4, 5.0, 48:12N, 153:28E, h151km, 57km, mb3.0/5,  
mb1 3.1/6, mb1mx2.8/41, mbtmp3.4/6, Error ellipse:  
s-maj=60.1km s-min=25.0km az=67.0, Kuril Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h m s, ISC, PETK, Petropavlovsk- 5.73 28 P P, 18 21 11.4 0.0, H11N2, WAKE ISLAND Hy 30.39 154 T T, 18 57 46.6, H11N1, WAKE ISLAND Hy 30.41 154 T T, 18 57 44.9, H11N3, WAKE ISLAND Hy 30.41 154 T T, 18 57 46.6, H11S1, WAKE ISLAND Hy 31.49 155 T T, 18 59 05.0, H11S3, WAKE ISLAND Hy 31.50 155 T T, 18 59 01.8, MKAR, Makanchi Array 46.42 296 P P, 18 27 59.1 -0.5, KURBB, Kurchatov Arr 46.80 303 P P, 18 28 02.6 +0.2, BVAR, Borovoye Array 50.08 309 P P, 18 28 27.6 +0.1, FINES, FINES 68S 335 P P, 18 29 57.3 -0.2, WRA, Warramunga Arr 69.84 199 P P, 18 30 42.4 -0.1, ASAR, Alice Springs 73.54 198 P P, 18 31 04.8 +0.3

SOME 03 18:21:39.7, 42:58N, 79:72E, h20km  
KRNET 03 18:21:39.2, 0.1, 42:59N, 79:68E, h20km, mb2.5  
NNC 03 18:21:39.2, 1.9, 42:60N, 79:70E, h0km, mb2.4, mpv2.4,  
Error ellipse: s-maj=11.5km s-min=7.6km az=132.0  
ISC 03 18:21:39.7, 1.6, 42:60N, 0:06, 79:69E, 0:05, h2km, 11km,  
n22, c1925/42, 10C-7D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h m s, ISC, PDGK, Podgornoye 0.75 349 P P, 18 21 53.4 -0.7, PRZ, Przheval'sk 0.96 264 P P, 18 21 56.7 -1.5, KTMS, Ketmen 0.98 29 P P, 18 22 08.2 -0.3, SATY, Saty 1.05 296 P P, 18 21 59.3 -1.5, DJR, Jarkent 1.74 2 P P, 18 22 13.3 +0.4, DJR, Jarkent 1.74 2 eP P, 18 22 11.3 +0.4, MNBS, Baschi 1.76 328 P P, 18 22 11.6 +0.3, KDJ, Kajisy 1.92 257 P P, 18 22 13.8 +0.2, TNSS, Tian-Shan 2.07 283 P P, 18 22 17.1 +1.3, TNSS, Tian-Shan 2.07 283 eP P, 18 22 17.5 +1.7, IZV, Izvestkoviy 2.31 282 eP P, 18 22 21.5 -0.7, ULHL, Ulahol 2.58 263 P P, 18 22 23.1 +0.4, KAPS, Kapalarasan 2.70 358 eP P, 18 22 28.4 -0.3, BOOM, Boomskeye usch 2.78 269 P P, 18 22 37.6 +4.7, TKM2, Tokmak 2 3.03 278 P P, 18 22 33.0 -1.6, TKM2, Tokmak 2 3.03 278 P P, 18 23 12.0, NRN, Naryn 2.94 250 P P, 18 23 05.8 -0.1

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h m s, ISC, DJA 03 18:23:46.9, 0.9, 1°S, 22°13'E, 1°5', h18km, 27km, M3.5/5, MLV3.5/5, Irian Jaya region

GUC 03 18:27:28.4, 0.6, 29:01S, 70:49W, h140km, 5km, ML3.2  
ISCJB 03 18:27:29.7, 0.9, 29:06S, 0:04, 69:96W, 0:10,  
h122km, 12km, Error ellipse: s-maj=14.3km s-min=5.9km  
az=179.8  
SJA 03 18:27:29.3, 0.7, 29:05S, 70:00W, h122km, 11km, ML3.2,  
MW3.7

ISC 03 18:27:30.3, 1.6, 29:06S, 0:04, 69:99W, 0:08,  
h120km, 15km, n13, c0510/20, 2C, Chile-Argentina border  
region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h m s, ISC, LCO, Las Campanas 0.62 274 P P, 18 27 49.5 +0.1, G004, Tololo Observa 1.32 212 P P, 18 28 03.5 -0.1, AGUA, GUANDACOL 1.38 108 P P, 18 27 56.9 +0.5, RTLL, Cerro Villuncu 2.62 150 eP P, 18 28 10.9 -0.7, ACLC, Cerro Parí 2.68 99 P P, 18 28 12.4 -0.2, RTLS, Leoncito 2.80 168 P P, 18 28 15.0 +0.8, RTCS, Cerro Valdivia 3.06 156 P P, 18 28 18.0 +0.5, ASAL, Salagasta 3.65 165 P P, 18 28 25.6 +0.3, FCH, Farellones 4.26 183 eP P, 18 28 33.5 -0.1

SOME 03 18:31:08.9, 42:53N, 79:68E, h15km  
KRNET 03 18:31:09.0, 0.1, 42:56N, 79:67E, h14km, mb2.2  
NNC 03 18:31:09.4, 1.6, 42:59N, 79:68E, h0km, mb2.6, mpv2.5,  
Error ellipse: s-maj=9.6km s-min=6.6km az=130.0  
ISC 03 18:31:08.2, 1.5, 42:52N, 0:05, 79:67E, 0:04, h17km, 13km,  
n28, c1902/52, 16C-2D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Op, ISC, Time, Res, h m s, ISC, UZB, Uzunbulak 0.79 323 eP P, 18 31 23.9 +0.3, UZB, Uzunbulak 0.79 323 eP P, 18 31 23.6 -0.1, UZB, Uzunbulak 0.79 323 eP P, 18 31 23.6 -0.1, PDGK, Podgornoye 0.82 351 P P, 18 31 24.2 0.0, PRZ, Przheval'sk 0.94 268 P P, 18 31 27.3 +0.8, KTMS, Ketmen 1.05 28 P P, 18 31 28.6 +0.6, DJR, Jarkent 1.82 3 P P, 18 31 41.8 +0.8, MNBS, Baschi 1.82 330 P P, 18 31 42.0 +1.0, KDJ, Kajisy 1.89 259 P P, 18 31 44.5 0.0, TNSS, Tian-Shan 2.07 285 P P, 18 31 47.2 +1.6, IZV, Izvestkoviy 2.31 284 P P, 18 31 51.2 +1.7, IZV, Izvestkoviy 2.31 284 eP P, 18 31 51.2 +1.7, CHKK, Chushkaly 2.38 305 P P, 18 31 51.8 +1.3, CHKK, Chushkaly 2.38 305 eP P, 18 31 51.8 +1.3, CHKK, Chushkaly 2.38 305 eP P, 18 31 51.8 +1.3, ULHL, Ulahol 2.56 265 P P, 18 31 54.1 +0.4, NRN, Naryn 2.94 250 P P, 18 31 59.9 -0.5

3d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TKM2 Tokmak 2, WRA Warramunga Arr, etc.

IDC 03 18:35:07.6:2.2, 25.12S:177.88W, h0km, mb4.0/4, mb1 4.2/5, mb1mx3.9/21, mbtmp4.1/5, ML4.3/1, Error ellipse: s-maj=60.8km s-min=43.1km az=141.0

ISC 03 18:35:10.6:2.1, 26.0S:02.177.5W:0.3, h35km, n7, o573/7, mb4.1/4, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, CTZ Charters Tower, ASAR Alice Springs, etc.

NNC 03 18:41:52.7:3.6, 40.09N:78.45E, h0km, mb3.0, mpv2.7, Error ellipse: s-maj=26.1km s-min=23.0km az=41.0

SOME 03 18:41:53.2, 40.03N:78.25E, h10km  
KRNCT 03 18:41:56.6:0.1, 40.20N:78.17E, mb2.4  
ISC 03 18:41:52.9:3.5, 40.10N:1.7823E:0.08, h13km, 18km, n15, r1505/24, 10C-6D, Southern Xinjiang

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like TARG Taragay, Kyrgyz, NRN Naryn, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MDOK Medeo, KOTS Kotyrbulak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAN 03 18:45:39.7, etc.

ISK 03 19:10:01.1, 37.96N:37.92E, h5km, ML2.0/8  
DDA 03 19:10:02.5, 37.94N:37.96E, h7km, 5km, ML2.7  
ISC 03 19:10:02.7:1.1, 37.95N:0.03:37.98E:0.03, h8km, 11km, n15, r1500/24, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AKCD Akcadag, ATAB Bozova, etc.

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Table with columns: TAHT, Tahtakopru-Hat, 2.12 223, PN, Pn, 19 10 39.3 +0.9. Includes IDC 03 19:12:54.9:2.3, 31.3N:128.81E, etc.

KRNCT 03 19:26:38.9:0.1, 42.56N:79.60E, h13km, mb1.7  
SOME 03 19:26:41.5, 42.62N:79.57E, h20km  
NNC 03 19:26:41.0:3.2, 42.72N:79.60E, h17km, 20km, mb3.5, mpv2.2, Error ellipse: s-maj=27.6km s-min=8.0km az=165.0

ISC 03 19:26:37.2:2.0, 42.50N:0.06:79.65E:0.06, h11km, 14km, n11, r0578/22, 8C-4D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like UZB Uzunbulak, PDGK Podgomoye, etc.

ISC 03 19:38:15.2:0.8, 22.9S:0.1:176.1W:0.2, h10km, mb3.9/8, Error ellipse: s-maj=23.8km s-min=11.1km az=27.6

IDC 03 19:38:15.6:0.8, 22.49S:176.30W, h0km, mb4.0/8, mb1 4.2/10, mb1mx4.0/39, mbtmp4.1/10, ML3.5/2, Error ellipse: s-maj=39.7km s-min=18.3km az=153.0

ISC 03 19:38:16.3:0.6, 22.8S:0.1:176.1W:0.1, h10km, n17, r1500/19, mb4.0/7, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RAR Rarotonga, URZ Urewera, etc.

IDC 03 19:46:54.3:1.2, 6.48S:106.88W, h0km, mb3.7/8, mb1 4.0/8, mb1mx3.8/32, mbtmp3.7/8, MS3.6/8, Ms1 3.6/8, ms1mx3.4/18, Error ellipse: s-maj=84.4km s-min=26.9km az=90.0

ISC 03 19:46:55.9:1.2, 6.5S:0.2:106.9W:0.5, h10km, n22, r0572/11, mb3.8/8, LACR 3.6/8, Central East Pacific Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMIG Matias Romero, LPIG La Paz, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like YBH Yreka Blue Hor, SADO Sadova, etc.

NORS 03 19:49:28.2:0.0, 42.48N:47.66E, h7km, MPVA3.7  
DRS 03 19:49:28.3:0.0, 42.52N:47.73E, h10km  
MOS 03 19:49:29.2:0.6, 42.51N:47.69E, h7km, mb3.9/1, Error ellipse: s-maj=9.2km s-min=5.7km az=40.8

ISC 03 19:49:30.2:1.1, 42.49N:0.03:47.70E:0.03, h10km, gkm, n51, r1542/73, 8C-3D, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like URKR Urkarakh, URKR Urkarakh, etc.

ISC 03 19:49:30.2:1.1, 42.49N:0.03:47.70E:0.03, h10km, gkm, n51, r1542/73, 8C-3D, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GNBK Gumbek, KMKR Kumukh, etc.

ISC 03 19:49:30.2:1.1, 42.49N:0.03:47.70E:0.03, h10km, gkm, n51, r1542/73, 8C-3D, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GROC Groznyy, DDFL Dedofitskaro, etc.

Table with columns: ARU, comp=Z, 2.0nm, 1.0s, pmax, pmax, KURK Kurchatov, 22.65 58 i P, 19 54 31.5 +0.2, CMAR Chiang Mai Arr, 49.36 103ceP, 19 58 23.7 +3.7

IDC 03 19:50:12.4,0.6,11.58N,143.99E,h0km,mb4.2/18, mb1.4/19,mb1mx2.4/245,mbmp3.1/3,ML1.5/1,MS2.9/3, Ms1.2/9,ms1mx2.6/42,Error ellipse: s-maj=19.4km s-min=13.6km az=88.0

ISCJB 03 19:50:15.9,0.4,11.58N,143.90E,0.07,h33km, mb4.2/23,MS2.8/3,Error ellipse: s-maj=10.9km s-min=7.4km az=19.6

NEIC 03 19:50:17.6,0.4,11.61N,143.90E,h35km,mb4.1/3,Error ellipse: s-maj=14.3km s-min=9.4km az=86.0

ISC 03 19:50:17.9,0.5,11.61N,144.0E,0.1, h35km,n46, r104/43,mb4.4/28,MS2.7/3,South of Mariana Islands

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC, Time, Res. Includes stations like GUMO Guam, H1S13 WAKE ISLAND Hy 22.98 70, H1S11 WAKE ISLAND Hy 23.00 70, etc.

IDC 03 19:55:46.9,3.3,32.04N,141.14E,h0km,mb3.2/2, mb1.3/3,mb1mx2.1/38,mbtmp3.1/3,ML1.5/1,MS3.3/1, Ms1.3/1,ms1mx2.4/18,Error ellipse: s-maj=104.2km s-min=24.7km az=63.0,Southeast of Honshu

Continuation of station list table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC, Time, Res. Includes stations like JHJ Hachijo jima 2, MJAR Matushiro Arr, BATI Baumata, etc.

TAP 03 20:09:59.9,24.01N,122.42E,h18km,ML3.5,D, ISCJB 03 20:10:00.8,0.3,24.01N,122.43E,0.01,h24km,2km, Error ellipse: s-maj=2.6km s-min=2.0km az=141.5

JMA 03 20:10:00.2,0.2,23.99N,122.41E,h21km,4km,M2.8, ISC 03 20:10:00.1,1,24.00N,122.41E,0.02,h19km,3km,n90,c0552/171,Taiwan region

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC, Time, Res. Includes stations like EOS1 Eos1, JYNG Yonagunijimaku, YOJ Yonaguni jima, etc.

Main station list table with columns: SSSL, baz=260, eS, Sb, 20 10 41.9 +0.2, WLTB Daxi, 1.36 309 eP, Pn, 20 10 24.2 +0.2, etc.



Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like UZB Uzynbulak, PDGK Podgornyye, PRZ Przheval'sk, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like MK31 Makanchi Array, JCJ Chichijima, SONM Songino Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC. Includes stations like YKA Yellowknife Ar, BRTR Keskin Array B, AKASG Malin Array B, etc.



3d 21h

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IZV, CHKK, MTBS, KTBS, etc.

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Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JAG, MJAR, MAT, etc.

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Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZAA1, KDJ, DLBC, etc.

NIED 03 21:03:00.29:40N,142:40E, h5km, Mw4.1 Best double couple...
JMA 03 21:03:55.8:0.1, 29:39N, 142:37E, h4km, M4.1
ISCJB 03 21:03:57.5:0.5, 29:35N, 142:00E:0.1, h3.5km, mb3.7/14, MS3.4/4, Error ellipse: s-maj=18.1km

IDC 03 21:05:53.9:0.2, 24:50S, 179:85E, h555km, 51km, mb3.4/5, mb1 3.5/7, mb1mx3.1/36, mbtmp4.4/7, Error ellipse: s-maj=48.5km s-min=37.6km az=40.0
ISC 03 21:05:49.9:1.8, 24:25S, 179:90W:0.2, h517km, n10, 19289, mb3.8/5, South of Fiji Islands

IDC 03 21:10:46.1:4.1, 7:05S, 148:51E, h0km, mb2.9/1, mb1 3.3/2, mb1mx3.0/32, mbtmp3.0/2, ML3.2/1, Error ellipse: s-maj=169.8km s-min=47.5km az=117.0, 18287 New Guinea region

KRNET 03 21:16:40.1:0.1, 42:53N, 79:65E, h13km, mb2.5
SOME 03 21:16:41.6, 42:58N, 79:70E, h20km
NMC 03 21:16:41.6, 0.9, 42:61N, 79:67E, h0km, mb2.6, mpv2.5, Error ellipse: s-maj=6.0km s-min=3.6km az=136.0

ISC 03 21:16:41.5:1.2, 42:59N, 0.05:79.68E, 0.04, h10km, n43, 15103/77, 17C-7D, Lake Issyk-Kul region
UZB Uzynbulak 0.74 320 Op P 21 16 55.5 -0.3
UZB Uzynbulak 0.74 320 eP Sg 21 16 55.5 -0.3
UZB Uzynbulak 0.74 320 eP Sg 21 16 55.5 -0.3

193 MDOK Medeo 2.02 288 eP Pb 21 17 17.9 -0.4 ... PDGK 7.5nm,0.1s S Sb 21 20 05.1 -1.1 ...

ICD 03 21:18:01.8:1.7, 4.4:17N:105:40W, h0km, mb1 3.0/3, mb1 mx2.9/5.6, mbtmp2.7/3, ML2:4/3, Error ellipse: s-maj=1.4, 5km s-min=0.7km az=146.0

Code Station Name Az AZ Phase ID Time Res ... RSSD Black Hills 1.01 92 Op Pn 21 18 37.4 +0.4 ...

SOME 03 21:19:40.7:42:62N:79:67E, h15km KRNET 03 21:19:40.1:0.1, 42:58N:79:65E, h15km, mb2.5

Code Station Name Az AZ Phase ID Time Res ... UZB Uzynbulak 0.72 319 P Pn 21 19 54.2 -0.8 ...

2013 FEB PDGK 7.5nm,0.1s S Sb 21 20 05.1 -1.1 ... PDGK Podgornoye 0.73 350 fP Pn 21 19 54.3 -0.9 ...

ICD 03 21:29:32.0:2.1, 11:46N:143:92E, h0km, mb3.6/8, mb1 3.8/9, mb1 mx3.6/5.7, mbtmp3.6/9, ML3.7/1, Error ellipse: s-maj=36.1km s-min=20.3km az=96.0

Code Station Name Az AZ Phase ID Time Res ... PDGK 7.5nm,0.1s S Sb 21 20 05.1 -1.1 ... PDGK Podgornoye 0.73 350 fP Pn 21 19 54.3 -0.9 ...

KZA baz=63 f/S Sn 21 21 14.7 +1.6 ... KBK Karagaybulak 3.48 272f eP Pn 21 20 37.0 +1.5 ...

ICD 03 21:23:51.8:1.2, 11:53N:143:98E, h0km, mb3.5/7, mb1 3.7/8, mb1 mx3.5/5.5, mbtmp3.5/8, ML3.4/1, Error ellipse: s-maj=37.1km s-min=22.8km az=96.0

Code Station Name Az AZ Phase ID Time Res ... GUMO Guam 2.19 22 Pn Pn 21 24 30.2 -0.5 ... WRA Warramunga Arr 32.72 197 P Pn 21 20 56.4 -0.2 ...

ICD 03 21:29:32.0:2.1, 11:46N:143:92E, h0km, mb3.6/8, mb1 3.8/9, mb1 mx3.6/5.7, mbtmp3.6/9, ML3.7/1, Error ellipse: s-maj=36.1km s-min=20.3km az=96.0

Code Station Name Az AZ Phase ID Time Res ... GUMO Guam 2.22 22 Pn Pn 21 30 11.3 -0.1 ... H11S WAKE ISLAND Hy 22.96 70 T T 21 58 01.6 ...

ICD 03 21:37:55.6:0.3, 63:01N:0:02:150:61W:0:06, h115km, 3km, mb3.8/9, Error ellipse: s-maj=4.5km s-min=3.7km az=7.9

Code Station Name Az AZ Phase ID Time Res ... HUR Hurricane 0.45 89 P Pn 21 38 12.9 -0.1 ... CHUM Lake Minchumin 1.19 321 S Sn 21 38 35.7 -0.2 ...



IDC 03 21:48:53.0,0.8,5.05S:153.12E,h0km,mb4.4/18,  
mb1.4/18,mb1mx4.3/45,mbtmp4.4/18,MS3.4/8,  
Ms1.3/4.8,ms1mx3.1/31,Error ellipse: s-maj=22.6km  
s-min=15.5km az=101.0  
NEIC 03 21:48:55.0,0.4,5.08S:153.18E,h10km,mb4.7/24,Error  
ellipse: s-maj=10.5km s-min=6.7km az=97.0  
ISC/JB 03 21:48:58.4,0.4,5.11S:0.05E:153.15E,0.07,h43km,  
mb4.5/40,MS3.3/7,Error ellipse: s-maj=10.5km  
s-min=6.5km az=177.0

ISC 03 21:49:00.1,0.6,5.11S:0.07E:153.11E,0.1,h43km,n81,  
+082.8/0,mb4.6/48,MS3.3/7,New Ireland region

Code	Station Name	A°	AZ°	Phase ID	Time	Res
					h m s	ISC
RABL	Rabaul	1.32	314	ePn	21 49 22.1	0.0
RABL	Honiara	8.02	123	eSn	21 49 38.5	0.0
HNR	comp=Z,222nm,21.2s,baz=314,slow=38			LR	21 53 58.9	
COEN	Coen	13.17	227	ePn	21 52 05.8	+1.2
CTA	Charters Tower	16.32	204	Pn	21 52 48.8	0.0
GUMO	Guam	20.30	336	LR	22 00 01.8	
FAKI	Fak Fak	20.94	257	P	21 53 39.5	+0.1
DZM	Mont Dzumac	21.23	144	eP	21 53 43.6	+1.1
DZM	Mont Dzumac	21.23	144	P	21 53 43.4	+0.8
DZM	comp=Z,150nm,21.9s,baz=228,slow=34			LR	22 01 00.8	
SJW	Sorong	22.23	280	P	21 53 53.1	-0.2
WRAB	Tennant Creek	23.47	229	eP	21 54 05.1	-0.9
WB2	Warramunga Arr	23.48	229	eP	21 54 06.1	0.0
WR1	Warramunga Arr	23.49	229	eP	21 54 05.7	-0.5
WRA	Warramunga Arr	23.49	229	P	21 54 05.7	-0.5
AS01	Alice Springs	26.11	223	eP	21 54 30.2	0.0
AS31	Alice Springs	26.14	223	P	21 54 30.8	+0.3
ASAR	Alice Springs	26.14	223	P	21 54 30.4	0.0
ASAR	comp=Z,3.0nm,0.6s,baz=56,slow=8.9,SNR=2.4			LR	22 04 55.7	
LHI	Lord Howe Isla	26.86	169	eP	21 54 36.1	-0.7
STKA	Stevens Creek	28.74	201	eP	21 54 52.9	-0.7
STKA	Stevens Creek	28.74	201	P	21 54 52.9	-0.7
STKA	comp=Z,60nm,20.7s,baz=25,slow=36			LR	22 06 01.9	
BATI	Baumata	29.62	258	P	21 55 00.9	-0.7
BATI	comp=Z,2.02nm,19.3s,baz=116,slow=41			LR	22 09 00.9	
FITZ	Fitzroy Crossi	29.80	242	eP	21 55 03.1	0.0
FITZ	Fitzroy Crossi	29.80	242	P	21 55 02.7	-0.4
FITZ	comp=Z,67nm,18.7s,baz=69,slow=40			LR	22 08 34.3	
MBWA	Marble Bar	36.10	241	eP	21 55 57.0	-1.2
CISI	Cisempu Garu	45.08	264	eP	21 57 11.5	-1.0
KSR5	Korea Array	48.42	333	P	21 57 37.4	-0.6
KSR5	comp=Z,1.5nm,21.7s,baz=113,slow=53			LR	22 15 51.0	
KS15	Wonju Array Si	48.43	333	eP	21 57 37.4	-0.7
KSAR	Wonju Array Be	48.43	333	P	21 57 37.4	-0.7
USRK	Ussuriysk Arr	48.43	333	P	21 58 09.9	+0.1
ENH	Enshi	54.60	313	eP	21 58 24.0	-0.5
UTTA	Uttaradi	56.62	295	eP	21 58 41.2	+2.0
XAN	Xi'an	57.07	316	eP	21 58 42.1	0.0
KLR	Kul'dur	57.23	343	P	21 58 42.4	-0.6
CM01	Chiang Mai Arr	58.27	295	eP	21 58 50.9	+0.1
CM31	Chiang Mai Arr	58.30	295	eP	21 58 52.0	+1.0
CMAR	Chiang Mai Arr	58.30	295	P	21 58 51.1	0.0
GTA	Gaotai	66.10	317	eP	21 59 44.0	+0.9
GTA	comp=Z,4.0nm,0.9s			pmx	21 59 48.2	-6.9
GTA	comp=Z,4.0nm,0.9s			pmx	21 59 51.4	-6.2
SHL	Shilling	66.74	300	eP	21 59 48.3	+0.7
SONA	Songino Array	66.76	328	eP	21 59 47.0	-0.1
SONM	Songino Array	66.76	328	P	21 59 47.0	-0.1
LSA	Lhasa	68.68	304	eP	22 00 00.9	+0.9
JURN	Jiri	72.22	301	eP	22 00 21.7	+0.1
GUMB	Gumba	72.56	301	eP	22 00 24.2	+0.6
PKI	Pulchoki	72.87	301	eP	22 00 25.3	-0.1
PKIN	Pulchoki	72.88	301	eP	22 00 25.1	-0.3
DMN	Daman	73.14	301	eP	22 00 27.2	+0.3
KOLN	Koldas	74.47	301	eP	22 00 34.5	-0.2
DANN	Dangsing	74.48	301	eP	22 00 34.4	-0.4
PYUN	Piuthan	75.07	301	eP	22 00 37.6	-0.6
TIXI	Tiksi	78.24	352	eP	22 00 54.8	0.0
MK32	Makanchi Array	80.77	319	eP	22 01 09.4	+0.2
MKAR	Makanchi Array	80.77	319	eP	22 01 08.0	-1.2
MKAR	Makanchi Array	80.77	319	P	22 01 09.4	+0.2
MAK2	Makanchi	80.98	319	eP	22 01 10.5	+0.2
ZAA0	Zalesovo Array	81.59	326	eP	22 01 13.0	-0.3
ZALV	Zalesovo Beam	81.59	326	eP	22 01 12.5	-0.8
ZALV	Zalesovo Beam	81.59	326	P	22 01 12.9	-0.4
ZAA1	Zalesovo Array	81.59	326	eP	22 01 12.9	-0.4
ILAR	Eielson Array	82.32	22	P	22 01 16.0	-0.9
KDJ	Kajisay	83.06	313	eP	22 01 23.7	+2.2
KURK	Kurchatov	84.21	322	eP	22 01 26.9	-0.1
KURBB	Kurchatov Arra	84.24	322	P	22 01 26.7	-0.4
NIL	Nilore	84.42	304	eP	22 01 27.8	-0.7
CHMS	Chumysh	85.00	314	P	22 01 31.8	+0.6
UCH	Uchtor	85.02	313	P	22 01 33.5	+1.7
AAK	Ala-Archa	85.11	313	eP	22 01 32.7	+0.7
USP	Ospenovka	85.23	314	P	22 01 33.0	+0.6
AML	Almayasha	85.59	313	P	22 01 36.0	+1.3
EKS2	Erkin-Say	85.64	313	P	22 01 35.6	+1.1
ARSB	Arslanbob	85.97	312	eP	22 01 37.5	+1.2
NR1K	Noril'sk	86.36	341	P	22 01 37.8	+0.5
BVAR	Borovoye Array	89.69	323	P	22 01 52.9	-0.6
BRVK	Borovoye	89.75	323	eP	22 01 53.4	-0.4
AKASG	Malin Array B	114.93	324	PKP	22 07 35.9	-0.4

AKKB Malin Array Si 114.93 324 ePKIP PKIKP 22 07 35.9 -0.4  
NB200 NORSAR Array S 117.31 340 ePKP PKIKP 22 07 42.8 +2.2  
NOA NORSAR Array B 117.31 340 PKP PKIKP 22 07 42.8 +2.2  
BDFB Brasilia 150.62 135 PKP PKIKP 22 08 48.9 -0.4  
TOAO Torodi Arr. Sit 150.71 288 ePKPbc PKPbc 22 08 48.8 +0.1  
TORO Torodi Arr. Bea 150.71 288 PKPbc PKPbc 22 08 47.4 -1.3  
TOA1 Torodi Arr. 150.71 288 ePKPbc PKPbc 22 08 47.4 -1.3  
DBIC Dimbokro Arr 158.04 275 PKP PKPab 22 09 26.2 -0.7  
comp=Z,1.1nm,0.5s,baz=94,slow=5.0,SNR=3.3

IDC 03 22:40:13.9,63.0,20:18S:178:27W,h0km,mb3.8/3,  
mb1.4/0.3,mb1mx3.6/26,mbtmp3.8/3,Error ellipse:  
s-maj=1159.0km s-min=159.5km az=82.0,Fiji Islands  
region

Code	Station Name	A°	AZ°	Phase ID	Time	Res
					h m s	ISC
STKA	Stevens Creek	37.70	244	P	22 47 30.2	-1.2
ASAR	Alice Springs	44.45	256	P	22 48 26.1	-0.2
WRA	Warramunga Arr	44.20	262	P	22 48 27.4	+0.7
WRA	comp=Z,0.3nm,0.3s,baz=93,slow=8.1,SNR=18			LR		
<p>NIED 03 22:56:00.29:30N:142:40E,h5km,Mw5.4 Best double couple: M1.430000:107. NP1.1610000:313.00000* 1.51.00000*: NP2.81.00000*:880.00000*:1.98.00000* ISC/JB 03 22:56:06.8,0.8,29:34N:01:141:99E:0.02,h12km,4km, mb5.4/409,MS5.0/82,Error ellipse: s-maj=2.6km s-min=2.3km az=138.7 BUI 03 22:56:08.7,29:35N:142:05E,h36km,mb5.1/64,mb5.2/83, MS5.2/91,Ms7.5/187 JMA 03 22:56:08.0,0.2,29:34N:142:38E,h52km,MS.4 IDC 03 22:56:08.5,2.1,29:33N:142:10E,h13km,mb5.0/37, mb1.5/141,mb1mx5.1/47,mbtmp5.1/41,ML.4.7/4,MS4.9/34, MS1.4/9.34,ms1mx4.6/56,Error ellipse: s-maj=12.2km s-min=6.6km az=94.0 MOS 03 22:56:10.6,1.1,29:34N:141:99E,h39km,mb5.6/112, MS4.8/35,Error ellipse: s-maj=6.2km s-min=3.6km az=114.4 NEIC 03 22:56:10.2,1.2,29:33N:142:02E,h23km,mb5.4/296, Error ellipse: s-maj=3.2km s-min=2.4km az=127.0 GCMT 03 22:56:11.2,0.2,29:21N:01:142:26E:0.01,h24km, MW5.2/109, Moment Tensor Solution. s72,c121; s109,c196; Duration: t=0 Moment tensor: Scale 10<sup>17</sup> Nm; Mn:0.63e-02; M0:0.17e-01; Mo:0.80e-01; Mo:0.22e-02; Mo:0.16e-01; Mo:0.35e-02; Best double couple: M0:846000:1017. NP1.1610000:313.00000* 1.107.00000*: NP2.81.00000*:833.00000*:1.63.00000* Principal axes: T 0.7690, P1g70.0000*, Azm329.0000*; N 0.1540, P1g15.0000*, Azm195.0000*; P -0.9230, P1g14.0000*, Azm101.0000*; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function ISC 03 22:56:10.9,0.5,29:33N:01:142:12E:0.04,h32km,3km, h32km:pp-P,n1219,1544/1300,mb5.4/436,MS5.0/82, 83C-37D, Southeast of Honshu</p>						
Code	Station Name	A°	AZ°	Phase ID	Time	Res
					h m s	ISC
CBJ1	Chichi jima	2.22	178	ePn	22 56 44.2	-1.4
CBJ1	Chichi jima	2.22	178	eSn	22 57 08.2	-3.7
CBJ1	Chichi jima	2.22	178	P	22 56 43.9	-1.7
CBJ1	Chichijima	2.22	178	eS	22 57 09.3	-2.6
JCJ	Chichijima	2.22	178	Pn	22 56 44.2	-1.4
JCJ	109nm,0.3s,baz=350,slow=4.2,SNR=40			Sn	22 57 08.2	-3.8
JHHJ	Haha-jima-NKT	2.69	179	Pn	22 56 50.1	-1.9
JAJM	Agoshimamukai	3.72	328	P	22 57 06.5	+0.3
JHJC	Hachiojimakas	4.23	333	P	22 57 12.1	-0.7
JHJ2	Mitsune	4.26	333	ePn	22 57 12.6	-0.8
JHJ2	Mitsune	4.26	333	eSn	22 58 01.4	+0.7
JHJ2	Mitsune	4.26	333	Pn	22 57 13.7	-0.2
JHJ	Hachioji jima 2	4.28	333	Pn	22 57 12.9	-0.8
JHJ	94nm,0.3s,baz=128,slow=4.7,SNR=16			Sn	22 58 00.7	-1.8
JMKM	Mikurajimianish	5.04	335	P	22 57 23.4	-0.8
BSO1	Boso 1	5.40	350	P	22 57 27.7	-1.0
BSO1	Boso 1	5.40	350	S	22 58 29.2	-0.2
TT01	TONANKAI O.B.S	6.25	315	P	22 57 43.0	+2.4
JOD2	Odawara 2	6.45	337	P	22 57 42.8	-0.9
JJTC	Tanabekakech	7.13	311	P	22 57 55.0	+2.0
JRY	Ryogami san	7.20	339	P	22 57 54.2	+0.2
JNY	Inuyama	7.39	326	ePn	22 57 57.9	+1.3
MJAR	Matsushiro Arr	7.91	336	Pn	22 58 03.8	+0.1
MJAR	5.5nm,0.3s,baz=155,slow=9.8,SNR=204			Sn	22 59 33.9	+1.8
MAJO	Matsushiro	7.91	336	ePn	22 58 03.0	-0.7
MAJO	Matsushiro	7.91	336	P	22 59 30.4	-1.7
MAJO	Matsushiro	7.91	336	iP	22 58 04.1	+0.4
MAT	Matsushiro	7.91	336	P	22 58 03.4	-0.3
MAT	Matsushiro	7.91	336	S	22 59 29.3	-2.8
MJBS	Matsu-Tunnel	7.91	336	ePn	22 59 04.1	+0.3
MJBS	Matsu-Tunnel	7.91	336	eSn	22 59 30.7	-1.5
JMK	Ichinoseki	9.63	356	P	22 58 24.0	-3.2
JMK	Ichinoseki	9.63	356	eS	22 58 05.8	-8.5
JMZ	Minamidaito 2	10.28	253	P	22 58 38.8	+2.6
JNU	Nakatsue	10.34	294	ePn	22 58 41.0	+4.0
JNU	Nakatsue	10.34	294	Pn	22 58 41.1	+4.1
JAMN	Amaminishikom	11.40	268	P	22 58 56.4	+4.8
JJT	Tsushima	11.98	299	P	22 59 02.8	+3.4
JOT	Ohata	12.06	256	P	22 58 58.2	-2.3
JKB	Kayabe	12.56	366	P	22 59 04.9	+2.5
ERM	Ermo	12.69	4</			



IPM	comp=Z,58nm,0.9s	ePcP	PcP	23 06 09.6 +1.5
IPM	lpho	46.06 246	P	23 04 31.4 -0.6
JAGI	Jajag, Banyuw	46.24 220	P	23 04 31.3 -2.0
JAGI	Jajag, Banyuw	46.24 220	P	23 04 30.9 -2.4
JAGI	Jajag, Banyuw	46.24 220	P	23 04 34.6 +0.8
PKDT	Phuket	46.29 251	P	23 04 33.9 -0.3
FRIM	Kepong	46.34 244	P	23 04 37.9 -0.8
PPBI	Pangkal Pinang	46.54 234	P	23 04 39.0 -2.1
NGWI	Ngawi	46.92 224	P	23 04 40.6 -0.6
PWJI	Pagerwojo	47.23 223	P	
ZSN	Zaisan	47.27 309	iP	
ZSN	comp=Z,133nm,1.4s		pmx	pmx
ZSN	comp=Z,387nm,15.0s		MLR	MLR
ZSN	Zaisan	47.27 309	iP	23 04 40.6 -0.6
ZSN	comp=Z,133nm,1.4s		eLRM	MLR
ZSN	comp=Z,387nm,15.4s			
SMRI	Semarang	47.30 225	eP	23 04 43.7 +2.0
SMRI	Semarang	47.30 225	P	23 04 46.8 +5.2
WOJI	Wonorejo, Jawa	47.62 224	P	23 04 42.3 +1.8
PCJI	Pacitan	47.74 223	P	23 04 42.3 -2.8
ZAAO	Zalesovo Array	47.78 318	eP	23 04 45.2 +0.2
ZAA1	Zalesovo Array	47.78 318	eP	23 04 45.2 +0.2
ZAA1	Zalesovo Array	47.78 318	ePcP	23 06 13.9 +0.3
ZALV	Zalesovo Beam	47.78 318	eP	23 04 44.2 -0.8
ZALV	Zalesovo Beam	47.78 318	eP	23 04 44.2 -0.8
ZALV	Zalesovo Beam	47.78 318	eP	23 04 45.2 +0.2
ZALV	comp=Z,70nm,0.9s,baz=102,slo=6.2,SNR=244		PcP	23 06 13.9 +0.3
ZALV	comp=Z,12nm,0.8s,baz=103,slo=4.6,SNR=2.4		LR	LR
ZALV	comp=Z,3um,18.0s,baz=80,slo=37			23 25 50.4
UGM	Wanagama	47.92 224	eP	23 04 44.8 -1.7
UGM	comp=Z,39nm,0.8s			
UGM	Wanagama	47.92 224	P	23 04 44.2 -2.3
JMBI	Jambi	47.97 237	P	23 04 56.0 +9.1
ANM	Nome	48.01 27	eP	23 04 47.7 +1.1
ANM	Nome	48.01 27	eP	23 04 47.7 +1.1
ANM	comp=Z,31nm,0.8s		pmx	pmx
SDPT	Sand Point	48.04 40	eP	23 04 45.9 -1.0
SDPT	comp=Z,64nm,0.9s			
KPJI	Karang Pucung	48.46 226	P	23 04 45.9 -1.1
RAMN	Ramite	48.62 281	P	23 04 51.4 -0.8
PSI	Prapat	48.73 245	eP	23 04 52.9 -0.1
PSI	Prapat	48.73 245	ePcP	23 06 18.6 +0.8
PSI	Prapat	48.73 245	eP	23 04 52.9 -0.1
PSI	Prapat	48.73 245	e	23 06 18.6
PSI	comp=Z,49nm,0.9s		pmx	pmx
JIRN	Jiri	48.78 282	eP	23 04 53.1 -0.4
JIRN	comp=Z,94nm,0.6s			
NVS	Novosibirsk	48.81 319	iP	23 04 54.1 +1.2
NVS	Novosibirsk	48.81 319	eS	23 11 54.7 +0.9
NVS	comp=Z,196nm,1.5s		pmx	pmx
NVS	comp=N,37nm,1.4s		pmx	pmx
NVS	comp=E,170nm,1.6s		smx	smx
NVS	comp=N,26nm,2.3s			
GUN	Gumba	48.97 283	eP	23 04 54.4 -0.6
GUN	comp=Z,118nm,0.8s			
MK32	Makanchi Array	49.03 308	eP	23 04 54.6 -0.1
MK32	Makanchi Array	49.03 308	ePcP	23 06 19.9 +1.7
MK32	Makanchi Array	49.03 308	eScP	23 10 13.0 +1.9
MKAR	Makanchi Array	49.03 308	eP	23 04 54.2 -0.3
MKAR	Makanchi Array	49.03 308	P	23 04 54.6 -0.1
MKAR	comp=N,40nm,0.7s,baz=92,slo=9.6,SNR=361		PcP	23 06 20.0 +1.7
MKAR	comp=N,17nm,1.0s,baz=87,slo=5.9,SNR=2.4		ScP	23 10 13.0 +1.9
MKAR	comp=N,2.2nm,0.7s,baz=90,slo=4.6,SNR=4.2		LR	LR
MKAR	comp=N,2um,19.0s,baz=80,slo=37			23 26 40.7
PBA	Port Blair	49.09 260	eP	23 04 55.6 +0.1
CBJI	Citeko	49.12 229	P	23 04 55.3 -0.4
KCSI	Kotacane, Aceh	49.23 247	P	23 04 55.1 -1.5
MAKZ	Makanchi	49.25 308	eP	23 04 56.5 +0.1
MAKZ	Makanchi	49.25 308	eP	23 04 56.5 +0.1
MAKZ	Makanchi	49.25 308	pmx	pmx
CTA	Charters Tower	49.29 175	P	23 04 57.6 +0.7
CTA	Charters Tower	49.29 175	eP	23 04 57.0 +0.1
CTAO	Charters Tower	49.29 175	eP	23 04 57.0 +0.1
CTAO	Charters Tower	49.29 175	pmx	pmx
CHGN	Chignik	49.32 39	eP	23 04 54.5 -2.3
CISI	Cisompot, Garu	49.34 227	eP	23 04 54.5 -3.0
CISI	comp=Z,57nm,0.8s			
KJI	Kotabumi	49.34 233	P	23 04 54.3 -3.2
BLSI	Bandar Lampung	49.44 232	P	23 05 02.1 +3.9
MNSI	Mandailing Nat	49.45 243	P	23 04 57.1 -1.2
PKI	Pulchoki	49.47 283	eP	23 04 57.6 -1.1
PKIN	Pulchoki	49.48 283	eP	23 04 57.5 -1.2
WRAB	Tennant Creek	49.54 190	eP	23 04 57.4 -1.4
WRAB	Tennant Creek	49.54 190	eP	23 04 57.8 -1.0
WRAB	comp=Z,126nm,1.7s		pmx	pmx
MDSI	Maura Dua	49.55 234	P	23 04 58.5 -0.5
WB2	Warramunga Arr	49.55 190	P	23 04 58.1 -0.8
WB2	comp=Z,58nm,0.9s			
WR1	Warramunga Arr	49.55 190	eP	23 04 58.0 -0.9
WR1	Warramunga Arr	49.55 190	ePcP	23 06 21.4 +1.1
WR1	Warramunga Arr	49.55 190	eScP	23 10 15.2 +1.8
WR1	Warramunga Arr	49.55 190	P	23 04 58.0 -0.9
WRA	comp=Z,19nm,0.9s,baz=360,slo=3.4,SNR=93		PcP	23 06 21.4 +1.1
WRA	comp=Z,1.8nm,0.6s,baz=359,slo=4.4,SNR=5.8		ScP	23 10 15.2 +1.8
WRA	comp=Z,6.4nm,0.9s,baz=7.9,slo=14.1,SNR=11		S	23 12 01.3 -3.6
LHSI	Lahat	49.55 235	P	23 04 58.2 -0.9
DMN	Daman	49.72 283	eP	23 04 59.6 -0.9
FITZ	Fitzroy Crossi	49.76 201	eP	23 05 00.1 -0.4
PDSI	Padang	49.86 240	P	23 04 59.0 -2.4
KRJI	Kerinci	49.89 238	P	23 05 02.0 +0.3
LWLI	Llwa	50.01 233	P	23 05 00.8 +1.9
MASI	Maura Aman, Be	50.01 237	P	23 05 02.0 -0.6
KASI	Kota Agung	50.06 232	P	23 04 59.3 -3.6
BSI	Bandara Aceh	50.12 251	P	23 05 00.8 -2.6
BOK	Bokaro	50.20 278	eP	23 05 04.0 0.0
BOK	comp=Z,164nm,2.0s		Iamb	Iamb
RODG	Red Dog Mine	50.21 24	eP	23 05 04.8 +1.4
MNAI	Manna	50.33 235	eP	23 05 03.7 -1.3
MNAI	comp=Z,123nm,0.9s			
SEM	Semipalatinsk	50.36 313	iP	23 05 02.4 -2.6
SEM	comp=Z,1um,1.4s		pmx	pmx
SEM	comp=Z,1um,18.0s		MLR	MLR
SEM	Semipalatinsk	50.36 313	iP	23 05 02.5 -2.6
SEM	comp=Z,1um,1.4s		eLRM	MLR
SEM	comp=Z,1um,18.0s			
CMBY	CAMPBELL BAY	50.44 254	eP	23 05 05.5 -0.3
NRKI	Noril'sk	50.56 338	P	23 05 06.8 +0.8
NRKI	comp=Z,57nm,0.9s,baz=111,slo=8.7,SNR=62		LR	LR
NRKI	comp=Z,2um,18.3s,baz=120,slo=38			23 27 45.1
DANN	Dangsing	50.66 284	eP	23 05 07.2 -0.5
DANN	comp=Z,147nm,1.0s			

GSI	Gunungsitoli	50.71 245	eP	23 05 07.1 -0.7
GSI	Gunungsitoli	50.71 245	P	23 05 06.8 -1.1
KOLN	Koldanda	50.95 283	eP	23 05 09.2 -0.6
KOLN	comp=Z,127nm,1.0s			
SNSI	Sinabang, Aceh	51.04 247	P	23 05 11.9 +1.5
PYUN	Piuthan	51.38 284	eP	23 05 12.6 -0.4
PYUN	comp=Z,169nm,0.6s			
KURK	Kurchatov	51.40 313	eP	23 05 12.7 +0.2
KURK	Kurchatov	51.40 313	eP	23 05 12.4 -0.2
KURK	comp=Z,214nm,1.0s		pmx	pmx
KURK	Kurchatov	51.40 313	P	23 05 12.4 -0.2
KURK	SNR=77			
KURB	Kurchatov Arra	51.46 313	P	23 05 13.4 +0.4
KURB	comp=Z,107nm,0.7s,baz=90,slo=6.9,SNR=321			
UZB	Uzynbulak	51.59 304	iP	23 05 12.1 -2.2
UZB	comp=Z,217nm,1.4s		pmx	pmx
UZB	comp=Z,217nm,1.4s		MLR	MLR
UZB	comp=Z,581nm,17.0s		MLR	MLR
UZB	Uzynbulak	51.59 304	iP	23 05 12.2 -2.2
UZB	comp=Z,217nm,1.4s			
UZB	comp=Z,581nm,16.7s		eLRM	MLR
KPKS	Kokpek	51.80 304	iP	23 05 13.7 -2.1
KPKS	KPKS	51.80 304	iP	23 05 13.7 -2.1
KPKS	comp=Z,258nm,1.7s		MLR	MLR
KPKS	comp=Z,984nm,17.0s			
KPKS	Kokpek	51.80 304	iP	23 05 13.8 -2.1
KPKS	comp=Z,258nm,1.7s			
KPKS	comp=Z,984nm,16.8s		eLRM	MLR
TDK	Taldygorghan	51.84 306	iP	23 05 14.3 -1.7
TDK	Taldygorghan	51.84 306	iP	23 05 14.3 -1.7
TDK	comp=Z,486nm,0.9s		MLR	MLR
TDK	comp=Z,2um,17.0s		MLR	MLR
TDK	Taldygorghan	51.84 306	iP	23 05 14.3 -1.7
TDK	comp=Z,486nm,0.9s			
TDK	comp=Z,2um,16.6s		eLRM	MLR
ZHN	Zhinshike	52.02 304	iP	23 05 15.7 -1.8
ZHN	Zhinshike	52.02 304	iP	23 05 15.7 -1.8
ZHN	comp=Z,126nm,1.3s		pmx	pmx
ZHN	comp=Z,599nm,17.0s		MLR	MLR
ZHN	Zhinshike	52.02 304	iP	23 05 15.7 -1.8
ZHN	comp=Z,126nm,1.3s			
ZHN	comp=Z,599nm,16.8s		eLRM	MLR
SATY	Saty	52.05 304	iP	23 05 15.8 -1.9
SATY	Saty	52.05 304	iP	23 05 15.8 -1.9
SATY	comp=Z,332nm,1.7s		MLR	MLR
SATY	comp=Z,857nm,16.0s			
SATY	Saty	52.05 304	iP	23 05 15.8 -1.9
SATY	comp=Z,323nm,1.7s			
SATY	comp=Z,857nm,16.2s		eLRM	MLR
PRZ	Przheval'sk	52.12 303	eP	23 05 19.2 +0.8
PRZ	Przheval'sk	52.12 303	eP	23 05 19.2 +0.8
PRZ	comp=Z,144nm,1.4s		pmx	pmx
KDAK	Kodiak Island	52.63 38	eP	23 05 21.7 +0.1
KDAK	Kodiak Island	52.63 38	eP	23 05 21.2 -0.4
KDAK	Kodiak Island	52.63 38	P	23 05 21.4 -0.2
TARG	Taryn, Kyrgy	52.66 302	eP	23 05 22.9 +0.3
RSO	Redoubt South	52.75 34	eP	23 05 23.3 +0.5
CHKK	Chushlyak	52.98 305	iP	23 05 23.1 -1.4
CHKK	comp=Z,235nm,1.0s		pmx	pmx
CHKK	Chushlyak	52.98 305	iP	23 05 23.1 -1.4
CHKK	comp=Z,235nm,1.0s			
MDOK	Medeo	53.02 304	iP	23 05 23.4 -1.5
MDOK	Medeo	53.02 304	iP	23 05 23.4 -1.5
MDOK	comp=Z,502nm,1.4s		MLR	MLR
MDOK	comp=Z,654nm,19.0s			
MDOK	Medeo	53.02 304	iP	23 05 23.5 -1.5
MDOK	comp=Z,502nm,1.4s			
MDOK	comp=Z,654nm,19.3s		eLRM	MLR
KDJ	Kajisay	53.07 303	eP	23 05 26.5 +1.1
IM3	Indian Mountai	53.09 27	eP	23 05 24.5 -0.4
AAA	Alma-Ata	53.11 304	eP	23 05 23.5 -2.0
AAA	Alma-Ata	53.11 304	eP	23 05 23.5 -2.0
AAA	comp=Z,324nm,1.3s		pmx	pmx
AAA	Alma-Ata	53.11 304	eP	23 05 23.5 -2.0
AAA	comp=Z,324nm,1.2s		eLRM	MLR
AAA	comp=Z,306nm,17.0s			
AS01	Alice Springs	53.27 189	eP	23 05 25.4 -1.3
AS31	Alice Springs	53.28 189	eP	23 05 26.1 -0.7
AS31	comp=Z,139nm,1.4s			
AS31	Alice Springs	53.28 189	P	23 05 26.1 -0.7
ASAR	comp=Z,6.1nm,0.6s,baz=11,slo=11,SNR=40		ScP	23 10 33.2 +3.7
ASAR	comp=Z,1.4nm,0.7s,baz=6.3,slo=4.5,SNR=4.6		ScP	23 12 49.2 -6.9
ASAR	comp=Z,0.6nm,0.8s,baz=5.2,slo=13,SNR=3.1		S	23 27 26.2
ASAR	comp=Z,640nm,20.6s,baz=28,slo=35		LR	LR
PPLA	Purkeyville	53.29 31	eP	23 05 27.5 +0.9
PPLA	comp=Z,33nm,1.4s			
CAST	Castle Rocks	53.40 31	eP	23 05 28.2 +0.9
KUU	Kury	53.44 305	iP	23 05 25.2 -2.6
KUU	comp=Z,18nm,0.8s		pmx	pmx
KUU	comp=Z,317nm,1.2s		MLR	MLR
KUU	comp=Z,510nm,18.0s			
KUU	comp=Z,317nm,1.2s		eLRM	MLR
ULHL	Ulahol	53.74 303	P	23 05 30.3 0.0
SUA	Susitna One	53.82 33	eP	23 05 29.3 -1.1
BPAW	Bear Paw Mtn.	53.97 30	eP	23 05 32.5 +1.1
NRN	Naryn	54.05 302	eP	23 05 32.7 0.0
NRN	Naryn	54.05 302	eP	23 05 32.7 0.0
NRN	comp=Z,39nm,1.3s		pmx	pmx
NRN	Naryn	54.05 302	eP	23 05 32.7 0.0
NRN	comp=Z,39nm,1.3s			
TKM2	Tokmak 2	54.11 304	P	





NVAR	Mina Array Bea	79.19	52	P	P	23 08 14.0 +0.9
NVAR	comp-Z, 12nm, 0.8s, baz=289, slow=5.6, SNR=54				LR	23 35 55.4
HRV	HLID	79.24	46	P	P	23 08 13.9 +1.0
HLID	Hailey	79.24	46	P	P	23 08 13.7 +0.4
IZAR	Zarasai	79.25	329	eP	IAMB	23 08 13.4 +0.6
IZAR	comp-Z, 36nm, 1.0s					23 08 15.2
IDID	Didziasalis	79.29	328	eP	IAMB	23 08 13.4 +0.4
IDID	comp-Z, 31nm, 0.9s					23 08 15.4
LRM	Limekiln Ridge	79.29	43	eP	P	23 08 14.5 +0.9
NNV11	Mina Array Sit	79.30	52	eP	P	23 08 14.8 +1.1
ANN	Anapa	79.36	316	eP	pmx	23 08 11.8 -1.8
ANN	comp-Z, 151nm, 1.3s					
ISAL	Salakas	79.41	329	eP	IAMB	23 08 14.2 +0.4
ISAL	comp-Z, 42nm, 1.0s					23 08 16.1
DLMT	Dillon	79.44	44	eP	P	23 08 14.7 +0.5
DLMT	comp-Z, 47nm, 1.4s					
GURO	Guroymak-BITLI	79.48	308	eP	P	23 08 15.1 +0.5
IIGN	Ignalia	79.50	328	eP	IAMB	23 08 14.6 +0.4
IIGN	comp-Z, 23nm, 0.8s					23 08 16.5
NACGM	Naroch	79.51	328	eP	P	23 08 14.0 -0.3
MCMT	McKenzie Canyo	79.56	44	eP	P	23 08 15.9 +0.8
EGMT	Eagleton	79.70	40	eP	P	23 08 15.6 +0.7
EGMT	comp-Z, 35nm, 1.4s					
EGMT	Eagleton	79.70	40	eP	P	23 08 16.1 +0.5
SIRT	Sirkak	79.71	307	eP	P	23 08 15.7 -0.1
SIRT	Sirkak	79.71	307	eP	P	23 08 16.6 +0.8
SLIT	Slitere, Latvi	79.80	332	eP	IAMB	23 08 15.2 -0.5
SLIT	comp-Z, 131nm, 1.1s					23 08 22.0
SCO	comp-Z, 170nm, 0.9s					
SCO	Scoresby	79.82	355	iP	P	23 08 16.5 +0.9
SCO	Scoresby	79.82	355	iP	P	23 08 16.5 +0.9
SCO	comp-Z, 17nm, 1.0s					
PKM	McPherson Peak	79.82	56	P	P	23 08 17.2 +0.6
BAYT	Aydintepe-Bayb	79.85	311	eP	P	23 08 17.9 +1.2
FFC	Filin Flon	79.89	32	eP	pmx	23 08 16.8 +0.5
FFC	Filin Flon	79.89	32	eP	pmx	23 08 16.8 +0.5
FFC	comp-Z, 33nm, 0.8s					
FFC	Vestal, Richgr	79.89	55	P	P	23 08 17.1 +0.4
BOZ	Bozeman (W)	79.90	43	eP	P	23 08 17.6 +0.8
BOZ	Bozeman (W)	79.90	43	eP	pmx	23 08 17.6 +0.8
BOZ	Bozeman (W)	79.90	43	eP	pmx	23 08 16.6 -0.2
ELK	Elko	80.12	49	eP	P	23 08 19.2 +1.0
ELK	Elko	80.12	49	eP	pmx	23 08 19.2 +1.0
ELK	comp-Z, 17nm, 1.0s					
CWC	Cottonwood Cre	80.31	54	P	P	23 08 19.6 +0.3
KVA	Isabella, Lake	80.41	55	eP	P	23 08 22.5 +2.8
ARVC	Arvin	80.42	55	P	P	23 08 20.0 +0.5
QLMT	Earthquake Lak	80.42	44	eP	P	23 08 21.0 +1.3
GRAC	Grapevine Rang	80.54	53	P	P	23 08 20.9 +0.6
YHB	Horse Butte	80.61	44	eP	P	23 08 20.9 +0.2
FCC	Fort Churchill	80.63	26	eP	P	23 08 19.9 -0.3
FCC	Fort Churchill	80.63	26	eP	pmx	23 08 19.9 -0.3
FCC	comp-Z, 33nm, 1.0s					
PPT	Papeete	80.69	116	LR	LR	23 35 48.2
PPT2	Papeete2	80.71	116	eS	S	23 18 25.8 -1.3
PPT2	Papeete2	80.71	116	eP	LR	23 33 28.1
DAC	Darwin (Calif)	80.73	54	eP	P	23 08 23.1 +1.9
DAC	Darwin (Calif)	80.73	54	eP	pmx	23 08 23.4 +1.9
DAC	comp-Z, 13nm, 1.0s					
OSI	Osito Audit: C	80.74	56	eP	P	23 08 25.2 +3.8
AKASG	Malin Array Be	80.79	324	eP	PP	23 08 21.1 -0.2
AKASG	comp-Z, 25nm, 0.8s, baz=49, slow=5.6, SNR=101				PP	23 11 25.4 +0.4
AKASG	comp-Z, 1.8nm, 0.7s, baz=50, slow=9.8, SNR=4.5				LR	23 46 44.3
AKASG	comp-Z, 2um, 20.1s, baz=45, slow=38					
AKBB	Malin Array Si	80.79	324	eP	PP	23 11 25.4 +0.4
AKBB	Malin Array Si	80.79	324	eP	pmx	23 08 21.1 -0.1
AKBB	comp-Z, 35nm, 0.9s					
YMR	Madison River	80.79	44	eP	P	23 08 23.8 +2.1
KIEV	Kiev	80.80	324	eP	P	23 08 21.1 -0.2
KIEV	Kiev	80.80	324	iP	P	23 08 21.3 +0.1
KIEV	Kiev	80.80	324	iP	pmx	23 08 19.4 -1.9
KIEV	comp-Z, 22nm, 0.9s					
AK11	Malin Array Si	80.83	324	eP	P	23 08 21.1 -0.3
MPMC	Manus Prospe	80.92	54	P	P	23 08 22.6 +0.1
YNR	Norris Junctio	80.94	44	eP	P	23 08 25.1 +2.6
GCMT	Greycliff	80.96	42	eP	P	23 08 23.9 +1.5
PBUR	Paburg	80.98	331	eP	IAMB	23 08 21.3 -0.8
PBUR	comp-Z, 68nm, 0.7s					23 08 23.0
YFT	Old Faithful	80.98	44	eP	P	23 08 26.1 +3.3
LRMC	Laurel Mtn Rad	81.06	54	eP	P	23 08 22.8 -0.4
R11A	Troy Canyon, C	81.09	51	eP	P	23 08 24.0 +0.7
R11A	Troy Canyon, C	81.09	51	eP	P	23 08 23.4 +0.1
YPP	Pitchstone Pla	81.10	44	eP	P	23 08 26.1 +2.7
PTK	Petek	81.11	310	eP	P	23 08 27.9 +4.5
MAZI	Mazidag	81.11	308	eP	P	23 08 23.3 -0.1
EDW2	Edwards Air Fo	81.14	55	P	P	23 08 22.6 -0.9
FURC	Furnace Creek	81.15	53	P	P	23 08 23.3 -0.1
H17A	Grant Village	81.17	44	eP	P	23 08 26.8 +3.0
H17A	Grant Village	81.17	44	eP	P	23 08 26.1 +2.3
LKWY	Lakeview	81.19	44	eP	P	23 08 27.1 +3.2
HVU	Hansel Valley	81.19	47	eP	P	23 08 25.4 +1.6
IMW	Indian Meadow	81.22	44	eP	P	23 08 25.8 +1.7
FLWY	Flagg Ranch	81.26	44	eP	P	23 08 26.2 +2.0
SIM	Simferopol	81.29	317	iP	pmx	23 08 24.7 +0.7
SIM	comp-Z, 58nm, 0.9s				MLR	
SIM	comp-Z, 370nm, 18.0s					
FXWY	Fox Creek	81.30	45	eP	P	23 08 25.9 +1.4
NC405	NORSAR Array S	81.31	338	eP	P	23 08 24.4 +0.5
NC303	NORSAR Array S	81.33	338	eP	P	23 08 24.5 +0.5

TPNV	Topopah Spring	81.34	53	eP	P	23 08 25.2 +0.6
TPNV	comp-Z, 40nm, 0.9s					
HFS	Hoffers	81.36	337	LR	LR	23 46 51.9
ILIC	ilic-Erzincan	81.37	310	eP	P	23 08 24.3 -0.5
MWC	Mount Wilson	81.41	56	eP	P	23 08 24.9 -0.2
MWC	Mount Wilson	81.41	56	eP	pmx	23 08 24.9 -0.2
MWC	comp-Z, 36nm, 1.1s					
MOOW	Moose Ponds	81.41	44	eP	P	23 08 26.5 +1.4
MOOW	comp-Z, 3nm, 0.9s					
TPAW	Teton Pass	81.43	45	eP	P	23 08 25.7 +0.5
BGU	Big Grassy Mtn	81.47	48	eP	P	23 08 26.6 +1.3
NB201	NORSAR Array S	81.49	338	eP	P	23 08 24.9 +0.1
NC204	NORSAR Array S	81.49	338	eP	P	23 08 25.4 +0.6
NB2	NORSAR Subarra	81.52	338	eP	P	23 08 24.7 -0.3
NB200	NORSAR Array S	81.52	338	eP	P	23 08 24.9 -0.1
NOA	NORSAR Array S	81.52	338	eP	P	23 08 24.9 -0.1
NOA	comp-Z, 10nm, 0.9s, baz=40, slow=5.1, SNR=33				LR	23 47 53.7
REDW	Red Top Meadow	81.56	45	eP	P	23 08 27.4 +1.6
REDW	comp-Z, 38nm, 1.3s					
RLMT	Red Lodge	81.56	43	eP	P	23 08 27.2 +1.4
RLMT	Red Lodge	81.56	43	eP	P	23 08 26.4 +0.6
RLMT	comp-Z, 33nm, 25					
SNOW	Snow King Moun	81.56	45	eP	P	23 08 27.8 +1.9
SNOW	comp-Z, 17nm, 0.9s					
LOHW	Long Hollow	81.57	45	eP	P	23 08 27.5 +1.6
SPUT	Spur Promonto	81.64	47	eP	P	23 08 27.7 +1.5
SPUT	comp-Z, 26nm, 1.1s					
BFSY	Mount Baldy Ra	81.69	55	P	P	23 08 26.3 -0.3
BFSY	comp-Z, 30nm, 0.9s					
RSDY	Resadye-TOKAT	81.70	312	eP	P	23 08 27.2 +0.9
SUW	Suwaki	81.72	329	eP	P	23 08 26.2 +0.2
SUW	Suwaki	81.72	329	eP	P	23 08 25.9 -0.2
SUW	Suwaki	81.72	329	eP	pmx	23 08 25.9 -0.2
SUW	comp-Z, 165nm, 1.1s					
AHID	Auburn Hatcher	81.72	45	eP	P	23 08 28.0 +1.4
GSC	Goldstone, Bar	81.77	54	eP	P	23 08 27.8 +0.9
GSC	Goldstone, Bar	81.77	54	eP	pmx	23 08 27.8 +0.9
GSC	comp-Z, 25nm, 0.9s					
GSC	Goldstone, Bar	81.77	54	eP	P	23 08 26.4 -0.5
GSC	comp-Z, 30nm, SNR=11					
NAO01	NORSAR Array S	81.78	338	eP	P	23 08 26.5 +0.2
SHOC	Shoshone, Teco	81.85	53	eP	P	23 08 27.6 +0.4
DUG	Dugway, Tooele	81.99	48	eP	P	23 08 29.0 +1.0
DUG	Dugway, Tooele	81.99	48	eP	pmx	23 08 29.0 +1.0
DUG	comp-Z, 53nm, 1.2s					
DUG	Dugway, Tooele	81.99	48	eP	P	23 08 28.2 +0.2
DUG	comp-Z, 302					
HWUT	Hardware Ranch	82.05	47	eP	P	23 08 29.7 +1.4
HWUT	comp-Z, 29nm, 0.9s					
PSUT	Pine Spring	82.17	50	eP	P	23 08 30.1 +1.0
PSUT	comp-Z, 34nm, 1.0s					
SVSK	Karacayir	82.17	311	eP	P	23 08 29.2 +0.5
KVT	Kavak	82.17	313	eP	P	23 08 29.6 +0.8
SNOP	Sinop	82.20	314	eP	P	23 08 28.2 -0.7
URFA	Urfa	82.23	309	eP	P	23 08 31.1 +3.8
SHPR	Sheep Range	82.32	52	eP	P	23 08 31.1 +3.3
TUQ	Turquoise Moun	82.33	54	P	P	23 08 30.6 +0.7
HEC	Heard Ludlow	82.34	54	P	P	23 08 30.4 +0.5
MURC	Murrieta	82.34	56	P	P	23 08 30.2 +0.4
TCUT	Toone Canyon	82.41	47	eP	P	23 08 31.7 +1.3
TCUT	comp-Z, 6nm, 0.9s					
CTU	Camp Tracy	82.42	47	eP	P	23 08 31.6 +1.3
LAO	LASA Array	82.44	40	eP	P	23 08 31.7 +1.6
LAO	LASA Array	82.44	40	eP	P	23 08 30.9 +0.7
LAO	comp-Z, 30nm, 0.9s					
DGMT	Dagmar	82.52	38	eP	P	23 08 30.9 +0.4
DGMT	comp-Z, 33nm, 1.0s					
DGMT	Dagmar	82.52				

3d 22h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like 214A Organ Pipe Nat, IKL Isikil, BORA Eskisehir, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like ANMO Albuquerque, EIL Elat, KSCO Kaye Shedlock, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SCHO Schefferville, SCHO Schefferville, SCIA State Center, etc.

Table with columns: DBIC, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like Dimbokro, Vilavencio, TIC, LIC, SNA, etc.

Table with columns: ERM, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like Erimo, Korea Array, Wonju Array, etc.

Table with columns: HIA, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like Zeya, Enshi, HHC, etc.

NEIC 03 23:03:23.2:0.0, 16.39N:94.18W, h111km, MD4.2(MEX), After MEX.

MEX 03 23:03:23.2:1.1, 16.39N:94.18W, h111km, 14km, MD4.2, Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like Matias Romero, Tuzandepett, etc.

NIED 03 23:04:00.29:30N:142.30E, h5km, Mw5.2 Best double couple: M0.792000x1016, NP1.35100000, 3.17.000000, 1.55.000000, NP2.370000, 3.76.000000, 1.100.000000.

IDC 03 23:04:10.0:0.2, 29.33N:142.13E, h3km, mb4.39, Ms1 4.9/42, mb1mx4.9/52, mbtmp4.8/42, ML2.5/2, MS4.5/1, Ms1 4.5/1, ms1mx3.5/54, Error ellipse: s-maj=1.18km s-min=1.10km az=108.0.

JMA 03 23:04:10.7:0.2, 29.29N:142.30E, h2km, M5.1 ISCBJ 03 23:04:11.3:1.0, 29.31N:142.190E, h1.3km, 6km, mb5.1/281, MS4.8/23, Error ellipse: s-maj=3.4km s-min=3.1km az=18.1.

MOS 03 23:04:13.7:1.1, 29.33N:141.93E, h37km, mb5.4/82, MS4.4/15, Error ellipse: s-maj=9.3km s-min=4.7km az=117.1.

BUJ 03 23:04:14.1:2.9, 33N:142.01E, h49km, mb5.1/37, mb4.9/68, Ms5.0/53, Ms7.4/9/50.

NEIC 03 23:04:14.5:2.1, 29.31N:141.87E, h22km, 14km, mb5.2/192, Error ellipse: s-maj=5.8km s-min=4.6km az=141.0.

GCMT 03 23:04:15.5:0.3, 29.30N:142.32E, h28km, MW5.2/95, Moment Tensor Solution. s49,c55; s95,c153; Duration: 0 Moment tensor: Scale 10^16Nm; Mr5.51±.27; Mw0.4±.15; Mww-5.0±.17; Mw0.06±.22; Mww0.59±.09; Mw4.2±.22; Best double couple: M0.635000x1016 NP1.35800000, 6.64.000000, 1.94.000000. NP2: q1.169.000000, 3.26.000000, 1.82.000000. Principal axes: T 7.0410, P1970.0000, Azm276.0000, N -0.4110, P194.0000, Azm176.0000, P -6.6280, P1919.0000, Azm85.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rater function

ISC 03 23:04:14.5:0.5, 29.30N:142.02E, h29km, 3km, h30km; p-P, n701, c1946/742, mb5.1/289, MS4.7/23, 66C-29D, Southeast of Honshu

Table with columns: MDJ, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like Mudanjiang, Taipei, Taipei, Nanchang, Yeheng, Dalian, etc.

Table with columns: GYA, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like Guiyang, Chengdu, Gona, Songino Array, etc.

Table with columns: CBJ, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, etc. Includes stations like Chichi jima, Haha-jima, Aogashimajima, etc.



KLMR	e	23 18 01.9			
KLMR	comp-Z,21nm,0.9s				
KLMR	Klimovskoe	70.61 330	iP	P	23 15 26.7 -0.2
KLMR			eP	P	23 15 26.7 -0.2
KLMR			iP	P	23 15 26.7 -0.2
KLMR			AMP		23 15 27.9
KLMR	comp-Z,21nm,0.8s				
KLMR	Kevo	70.86 340	eP	PP	23 18 02.0 -1.0
KEV	comp-Z,53nm,1.2s				23 15 29.1 +0.9
KEV	Kevo	70.86 340	eP	P	23 15 29.1 +0.9
KEV			pmax		
KEV	comp-Z,53nm,1.2s				
ARCES	ARCES Array B	71.42 341	eP	P	23 15 32.1 +0.5
ARCES	ARCES Array B	71.42 341	eP	P	23 15 32.2 +0.5
ARCES	ARCES Array B	71.42 341	eP	P	23 15 32.0 +0.4
AREO	ARCES Array S	71.42 341	eP	P	23 15 32.7 +1.0
AREO	comp-Z,1.7nm,0.9s,baz=60,slow=7.2,SNR=21				
LLBL	Lilloet	71.57 42	eP	P	23 15 35.6 +2.6
NLWA	Neilton Lookou	71.66 46	eP	P	23 15 36.4 +2.9
NLWA			eP	P	23 15 47.8 +0.6
D03D	Eldon	72.09 45	P	pwP	23 15 37.3 +1.3
B05A	Bryant	72.40 44	P	P	23 15 38.1 +0.3
TULEG	Thule	72.69 7	eP	P	23 15 38.6 -0.5
E04D	Cinebar	72.81 46	P	P	23 15 40.3 -0.1
LOH	Longmire	73.20 46	eP	P	23 15 44.6 +1.8
LOH	Longmire	73.20 46	eP	P	23 15 44.6 +1.8
LOH			pmax		
J01E	Myrtle Point	73.34 50	P	P	23 15 43.7 +0.2
I03D	Drain, OR	73.50 49	P	P	23 15 45.1 +0.7
H04D	Lebanon	73.55 48	P	P	23 15 45.5 +0.7
LTY	Liberty	73.69 45	eP	P	23 15 47.5 +1.8
K02D	Willamette Mer	73.71 50	eP	P	23 15 46.5 +0.6
VRH	Norvokhopyors	73.73 320	eP	pmax	23 15 44.5 -1.2
MOS	Moscow	73.82 325	eP	P	23 15 45.4 -0.7
MOS			eS	S	23 18 30.7
MOS			pmax		23 25 16.1 +0.6
MOS	comp-Z,43nm,1.1s				
MOS			MLR	MLR	
H04A	Detroit Lake	73.84 48	eP	P	23 15 48.7 +2.1
L02E	Cave Junction	73.98 50	P	P	23 15 47.7 +0.4
B08A	Colville Reser	74.03 43	eP	P	23 15 49.5 +2.0
I04A	Tendick Farm	74.08 49	P	P	23 15 48.7 +0.8
G05D	Wamic, OR	74.16 47	P	P	23 15 48.9 +0.5
KHMM	Horse Mountain	74.44 52	eP	P	23 15 48.1 -2.1
J04D	Umpqua Nationa	74.51 49	P	P	23 15 51.4 +0.7
I05D	Terrebonne, OR	74.54 48	P	P	23 15 51.0 +0.4
LPSR	Galich ya Gora	74.63 322	eP	pmax	23 15 50.7 -0.2
LPSR			pmax		
OBN	Obninsk	74.65 325	eP	P	23 15 50.9 -0.1
OBN	Obninsk	74.65 325	eP	P	23 15 51.4 +0.5
OBN			e		23 16 04.6
OBN			eS	S	23 18 39.6
OBN			pmax		23 25 28.0 +3.2
OBN	comp-Z,45nm,1.3s				
OBN			MLR	MLR	
OBN	Obninsk	74.65 325	P	P	23 15 51.1 +0.2
SEKA	Sheki	74.69 309	P	P	23 15 51.9 +0.3
YBH	Yreka Blue Hor	74.76 51	eP	P	23 15 52.8 +0.8
YBH	Yreka Blue Hor	74.76 51	eP	P	23 15 52.1 +0.1
GROC	Groznyy	74.78 311	eP	P	23 15 50.7 -1.2
GROC			e		23 16 04.3
GROC			eS	S	23 18 39.2
GROC			pmax		23 25 22.8 -3.7
HAWA	Hanford	74.78 45	eP	P	23 15 54.8 +2.9
M02C	Callahan	74.81 51	P	P	23 15 52.9 +0.6
L04D	Klamath Falls	74.82 50	P	P	23 15 53.1 +0.7
D08A	Wollman Farm	74.86 44	eP	P	23 15 54.4 +2.0
ZKTA	Zakatala	74.89 309	P	P	23 15 53.6 +0.9
C09A	Chrisman Ranch	74.91 43	eP	P	23 15 55.9 +3.2
HATD	Hatta, Dubai	74.92 290	P	P	23 15 53.6 +0.4
PINE	Pine Mountain	75.03 48	eP	P	23 15 54.7 +1.0
J05D	Fort Rock, OR	75.07 49	P	P	23 15 54.6 +0.7
N02D	Trinity Center	75.09 51	P	P	23 15 54.6 +0.6
VSR	Storozhevoye	75.15 321	eP	pmax	23 15 52.5 -1.4
VSR			pmax		
M04C	Macdoel	75.33 50	P	P	23 15 55.8 +0.4
WDC	Whiskeytown Da	75.38 52	eP	P	23 15 58.6 +3.1
O02D	Mt. Diablo Mer	75.39 52	P	P	23 15 55.9 +0.3
NEW	Newport	75.39 43	eP	P	23 15 56.1 +0.6
NEW	Newport	75.39 43	P	P	23 15 55.5 +0.1
NEW	Newport	75.39 43	P	P	23 15 55.1 -0.3
GANJ	Ganja	75.53 309	P	P	23 15 57.3 +0.9
E09A	Wood Farm, Sta	75.58 45	eP	P	23 15 59.2 +2.8
KULLO	Kullorsu	75.61 5	iP	P	23 15 55.3 -0.9
G08A	Pilot Rock	75.63 46	eP	P	23 15 59.5 +2.5
GOF	Gofitskoye	75.71 314	iP	pmax	23 15 58.1 +0.8
GOF			pmax		
I07A	Ize	75.83 47	eP	P	23 16 00.4 +2.2
FIA1	FINESS Array S	75.92 334	eP	P	23 15 58.2 +0.1
FINES	FINESS Array B	75.92 334	iP	pmax	23 15 58.2 +0.1
FINES			pmax		
FINES	FINESS Array B	75.92 334	P	P	23 15 58.0 -0.1
FINES	comp-Z,1.3nm,0.8s				
FINES	comp-Z,2.7nm,0.9s,baz=45,slow=10.0,SNR=3.0				23 18 43.6 -4.4
O03E	Paynes Creek	76.01 52	P	P	23 15 59.5 +0.3
TBLG	Delisi	76.12 310	eP	P	23 16 01.1 +1.4
TBLG	Delisi	76.12 310	eP	pmax	23 16 01.1 +1.4
TBLG			pmax		
ZEI	Tsey	76.19 311	eP	pmax	23 15 57.7 -2.7
ZEI			pmax		
MOD	Modoc Plateau	76.30 50	P	P	23 16 01.7 +0.8
KBZ	Khabaz	76.41 313	P	P	23 16 02.3 +1.0
KVAR	Kislovodsk Arr	76.44 313	P	P	23 16 03.6 +2.0

KIV	comp-Z,15nm,0.8s,baz=107,slow=19,SNR=15				
KIV	Kislovodsk	76.44 313	eP	P	23 16 02.6 +1.0
KIV	Kislovodsk	76.44 313	iP	P	23 16 01.9 +0.3
KIV	Kislovodsk	76.44 313	iP	P	23 15 01.6 0.0
KIV	SNR=14				
KIV	Kislovodsk	76.44 313	eP	P	23 16 02.2 +0.6
KIV			pmax		
KIV	comp-Z,39nm,1.0s				
KIV	Kislovodsk	76.44 313	P	P	23 16 00.3 -1.3
ORV	Oroville	76.55 52	eP	P	23 16 02.3 +0.1
ORV	Oroville	76.55 52	eP	pmax	23 16 02.3 +0.1
ORV			pmax		
NEY	Neyrino	76.75 312	eP	pmax	23 16 05.2 +1.7
NEY			pmax		
NAX	comp-Z,4.0nm,0.9s				
J08A	Nakhchivan	76.76 307	P	P	23 16 04.4 +0.9
J08A	Circle Bar Ran	76.83 48	eP	P	23 16 04.7 +0.8
GNI	Garni	76.83 309	eP	P	23 16 05.9 +2.0
GNI	comp-Z,44nm,1.1s				
GNI	Garni	76.83 309	iP	P	23 16 05.6 +1.6
GNI	Garni	76.83 309	eP	pmax	23 16 05.2 +1.2
GNI			pmax		
GNI	comp-Z,430nm,1.7s				
GNI	Garni	76.83 309	P	P	23 16 05.4 +1.5
GNI	SNR=9.8				
GNI	Garni	76.83 309	P	P	23 16 05.7 +1.8
BMO	Blue Mountains	76.87 46	eP	P	23 16 04.8 +0.8
BMO	Blue Mountains	76.87 46	eP	pmax	23 16 04.8 +0.8
BMO			pmax		
BMO	comp-Z,15nm,1.2s				
WALA	Waterton Lakes	76.88 41	eP	P	23 16 05.1 +1.1
WVOR	Wild Horse Val	77.15 49	eP	P	23 16 09.0 +3.3
WVOR	Wild Horse Val	77.15 49	eP	pmax	23 16 09.0 +3.3
WVOR			pmax		
AFDM	Forest Hills D	77.19 53	eP	P	23 16 08.5 +2.7
BEKR	Beckworth	77.19 51	eP	P	23 16 07.1 +1.0
VSU	Vasula	77.41 331	dIP	pmax	23 16 07.2 +0.6
VSU			pmax		
VSU	comp-Z,72nm,1.0s				
VSU	Vasula	77.41 331	eP	IAMB	23 16 06.8 +0.2
VSU			IAMB		23 16 07.5
RUBR	Rubicon Trail	77.71 52	eP	P	23 16 12.8 +3.8
PAHR	Pah Rah Rang	77.93 51	eP	P	23 16 10.3 +0.2
VCNR	Virginia City	77.94 52	eP	P	23 16 11.5 +1.3
MSO	Missoula	77.97 43	eP	P	23 16 13.4 +3.3
MSO			eP	pwP	23 16 23.2 -0.8
CMB	Columbia Colle	78.02 53	eP	pmax	23 16 10.7 +0.2
CMB	Columbia Colle	78.02 53	eP	pmax	23 16 10.7 +0.2
PNTR	Pine Nut	78.07 52	eP	P	23 16 11.9 +0.9
YERR	Yerington	78.37 52	eP	P	23 16 13.3 +0.7
SUMG	Summit	78.40 0	eP	P	23 16 13.3 +0.9
SUMG	comp-Z,25nm,0.9s				
SUMG	Summit	78.40 0	iP	P	23 16 12.7 +0.3
SUMG	comp-Z,59nm,1.0s				
SUMG	Summit	78.40 0	iP	pmax	23 16 12.7 +0.3
SUMG			pmax		
WAKR	Walker	78.46 52	eP	P	23 16 14.0 +0.9
MFID	Comp-Z,11nm,1.0s				
MFID	Camas Ranch	78.50 47	eP	P	23 16 14.1 +0.9
SOC	Sochi	78.51 314	eP	P	23 16 12.4 -0.6
SOC			eSP	pwP	23 16 24.4 -1.0
SOC			ePPP	S	23 21 02.5
SOC			eS	S	23 26 05.5 -2.0
SOC			eSS	SS	23 31 13.3 +2.9
SOC	comp-Z,42nm,0.7s				
SOC			MLR	MLR	
RYN	Ryan	79.03 52	eP	P	23 16 16.7 +0.5
KVN	Kaiserville	79.12 51	eP	P	23 16 17.0 +0.3
KVN	Kaiserville	79.12 51	eP	pmax	23 16 17.0 +0.3
KVN			pmax		
MDPB	Devils Postpil	79.12 53	eP	P	23 16 19.1 +2.2
OMMB	Old Mammoth Mi	79.19 53	eP	P	23 16 19.1 +1.9
IZAR	Zarasai	79.24 329	eP	IAMB	23 16 17.1 +0.3
IZAR			IAMB		23 16 18.9
IDID	Didzaisalis	79.27 328	eP	IAMB	23 16 17.4 +0.5
IDID			IAMB		23 16 19.0
HRY	Holter Researc	79.28 42	eP	P	23 16 19.2 +1.8
NV01	Mina Array Sit	79.28 52	eP	P	23 16 17.5 -0.1
NVAR	Mina Array Bea	79.28 52	eP	P	23 16 18.0 +0.4
NVAR	comp-Z,12nm,0.9s,baz=269,slow=5.4,SNR=20				
HLUD	Hailey	79.32 46	eP	P	23 16 20.0 +2.3
HLUD	Hailey	79.32 46	eP	P	23 16 18.3 +0.6
LRM	Limekiln Ridge	79.37 43	eP	P	23 16 18.4 +0.4
NV11	Mina Array Sit	79.38 52	eP	P	23 16 20.2 +2.1
ISAL	Salakas	79.40 329	eP	IAMB	23 16 18.2 +0.5
ISAL			IAMB		23 16 19.8
IIGN	Ignalina	79.49 328	eP	IAMB	23 16 18.7 +0.5
IIGN			IAMB		23 16 20.3
NACGI	Naroch	79.50 328	eP	LR	23 16 18.0 -0.2
NACGM			eLR	LR	23 43 16.0
SIRT	Sirnak	79.66 307	eP	P	23 16 20.7 +1.1
EGMT	Eagleton	79.78 40	eP	P	23 16 21.1 +1.1
EGMT	Eagleton	79.78 40	P	P	23 16 19.8 -0.2
SLIT	Slitere, Latvi	79.79 332	eP	IAMB	23 16 18.7 -1.0
SLIT			IAMB		23 16 20.0
VEST	Vestla, Richgr	79.97 55	P	P	23 16 21.1 -0.1
ELK	Elko	80.20 49	eP	P	23 16 24.0 +1.3
ELK	comp-Z,9.9nm,1.0s				
ELK	Elko	80.20 49	P	P	23 16 21.4 -1.2
CWC	Cottonwood Cre	80.40 54	P	P	23 16 23.8 +0.1
QLMT	Earthquake Lak	80.50 44	eP	pwP	23 16 26.9 +2.8
QLMT			eP	pwP	23 16 38.1 0.0
GRAC	Grapevine Rang	80.62 53	P	P	23 16 25.2 +0.5
YHB	Horse Butte	80.68 44	eP	P	23 16 28.0 +2.9
FCC	Fort Churchill	80.70 26	eP	P	23 16 23.9 -0.7
FCC	Fort Churchill	80.70 26	eP	pmax	23 16 23.9 -0.7
FCC			pmax		
AKASG	Malin Array Be	80.77 324	iP	pmax	23 16 24.7 -0.4
AKASG			pmax		
AKASG	comp-Z,15nm,0.9s				
AKASG	Malin Array Si	80.77 324	P	P	23 16 24.7 -0.4
AKASG	comp-Z,13nm,0.9s,baz=48,slow=5.9,SNR=42				
AKASG			PP	PP	23 1





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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res, Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like YKBS, FIAO, FINESS, etc.

WEL 03 23:20:47.1, 40'S; 175°56'E; 0.9, h52km, 3km, ML3, 7/29,

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like POWZ, WAZ, MOVZ, etc.

SOME 03 23:39:26.8, 42°50'N; 79°63'E, h20km

KRNET 03 23:39:27.0, 0.1, 42°50'N; 79°64'E, h13km, mb2.9

NNC 03 23:39:27.0, 0.1, 42°50'N; 79°65'E, h0km, mb2.9, mpv3.2,

Error ellipse: s-maj=8.0km s-min=4.4km az=137.0

ISC 03 23:39:27.8, 1.1, 42°57'N; 0°04'79.64E, 0.04, h10km, n55,

132°/94, 16C-13D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like UZB, KST, etc.

2013 FEB

Main station list table for 2013 FEB with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like PDGK, KTM, etc.

3d 23h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like DGS, DGS, etc.

ISC 03 23:40:12.5, 0.9, 13°49'N; 119°91'E, h0km, mb3.8/10, mb1 3.9/10, mb1mx3.6/66, mbtmp3.8/10, Error ellipse: s-maj=19.6km s-min=12.7km az=160.0

ISCJB 03 23:40:18.3, 0.6, 13°59'N; 0°03'120.10E; 0.06, h56km, 8km, mb3.9/10, Error ellipse: s-maj=10.0km s-min=4.6km az=9.6

MAN 03 23:40:18.2, 13°60'N; 120°12'E, h43km, MS3.3

MAN INTENSITY III - LUBANG OCCIDENTAL MINDORO. ISC 03 23:40:19.2, 1.2, 13°59'N; 0°03'120.10E; 0.07, h49km, 14km, n23, c087/32, mb3.9/10, 1C-2D, Mindoro

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like TGY, TGY, etc.

ISK 03 23:45:32.7, 37°31'N; 37°09'E, h8km, ML1.9/9

ISCJB 03 23:45:33.3, 0.5, 37°30'N; 0°03'07.09E; 0.03, h8km, 4km, Error ellipse: s-maj=6.0km s-min=3.9km az=18.4

DDA 03 23:45:33.7, 37°31'N; 37°17'E, h7km, 2km, ML2.6

ISC 03 23:45:33.4, 1.0, 37°31'N; 0°04'37.11E; 0.03, h9km, 6km, n16, c049/24, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like GAZ, KMR, etc.

ISC 03 23:46:51.0, 0.8, 4°10'S; 102°22'E, h0km, mb4.0/14, mb1 4.2/14, mb1mx3.8/67, mbtmp4.0/14, Error ellipse: s-maj=41.2km s-min=14.6km az=53.0

ISCJB 03 23:47:01.4, 0.4, 4°05'S; 102°06'E; 0.05, h100km, 3km, mb4.2/32, Error ellipse: s-maj=12.4km s-min=4.2km az=39.8

NEIC 03 23:47:02.4, 0.7, 3°05'S; 102°51'E, h86km, 6km, mb4.2/18, Error ellipse: s-maj=13.3km s-min=5.0km az=53.0

DJA 03 23:47:03.2, 0.4, 4°S; 3°10'2E, h65km, 5km, M4.2/12, MLV4.2/12

ISC 03 23:47:02.1, 0.8, 4°07'S; 102°41'E; 0.06, h91km, 6km, n2, c095/86, mb4.2/32, Southern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, Res. Includes stations like DARE, URFA, etc.

3d 23h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MNAI, MAHA, MAHA Aman, Be, LAHAT, MAURA DUA, etc.

IDC 03 23:48:06.0e 1.2, 40.98N-47.94E, h0km, mb3.4/4, mb1 3.5/9, mb1mx3.3/63, mbtmp3.4/9, ML2.9/5, Error ellipse: s-maj=29.8km s-min=10.3km az=154.0

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Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like XNQ, PQL, PQL, PQL, POL, KDMR, KDMR, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BTLR, DBC, DBC, DBC, ASTR, ASTR, etc.

IDC 03 23:50:36.5e 0.9, 41.05N-29.33W, h0km, mb3.8/12,

mb1 3.9/12, mb1mx3.6/65, mbtmp3.8/12, MS3.8/5, Ms1 3.8/5, ms1mx3.3/39, Error ellipse: s-maj=31.5km s-min=18.9km az=25.0

SVSA 03 23:50:38.3±1.2, 41.16N;29:28W, h15km, MD4.2, ML3.5, Error ellipse: s-maj=5.0km s-min=4.3km az=15.0

ISC 03 23:50:37.2±3.4, 40.80N;05:29:28W, 0.04, h8km, 21km, n23, +1926/48, mb3.8/12, MS3.8/5, Azores Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Lists various seismic stations and their data points.

ISCJB 03 23:54:15.0±0.8, 73.38N;04:48E, 0.3, h10km, mb3.0/1, Error ellipse: s-maj=14.1km s-min=5.8km az=175.3

ISC 03 23:54:15.3±2.5, 73.28N;7.19E, h0km, mb3.2/1, mb1 3.3/6, mb1mx3.1/64, mbtmp3.3/6, ML2.7/5, Error ellipse: s-maj=42.4km s-min=18.4km az=87.0

NAO 03 23:54:16.5±1.6, 73.36N;7.94E, ML2.6, BER 03 23:54:18.2±0.3, 73.36N;7.66E, h9km, 74km, ML2.0, Confirmed Earthquake

ISC 03 23:54:17.1±1.3, 73.39N;07:85E, 0.1, h10km, n26, +1929/30, Greenland Sea

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Lists various seismic stations and their data points.

baz=356,slow=11 FIAO FINESSE Array S 13.68 142 Pn Pn 23 57 32.1 +0.8

FIAO FINESSE Array S 13.68 142 Pn Pn 23 57 32.1 +0.8

AKASA Main Array Br 24.47 147 P P 23 59 37.2 +0.8

ISC 03 23:57:30.6±1.1, 107.76S;165.15E, h0km, mb3.9/7, mb1 4.1/9, mb1mx3.9/39, mbtmp4.0/9, ML4.3/2, Error ellipse: s-maj=33.2km s-min=20.6km az=144.0

ISCJB 03 23:57:33.6±0.9, 107.95S;0.165E, 0.09, h31km, mb3.8/6, Error ellipse: s-maj=16.5km s-min=10.8km az=25.2

ISC 03 23:57:35.2±1.0, 108.5S;1.165E, 0.1, h31km, n15, +1504/10, mb3.9/6, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Lists various seismic stations and their data points.

SJA 03 23:58:05.4±0.8, 32:28S;67:13W, h145km, 6km, ML3.1, MW3.7, Mendoza Province

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Lists various seismic stations and their data points.

ISC 04 00:16:55.0±1.2, 41.15N;29:13W, h0km, mb3.4/7, mb1 3.6/8, mb1mx3.4/41, mbtmp3.3/8, ML3.8/1, MS3.5/5, Ms1 3.6/5, ms1mx3.1/27, Error ellipse: s-maj=45.2km s-min=20.7km az=11.0

ISCJB 04 00:16:56.3±2.2, 40.97N;04:29:06W, 0.09, h25km, 17km, mb3.4/7, MS3.5/4, Error ellipse: s-maj=12.1km s-min=6.4km az=159.7

SVSA 04 00:16:56.1±1.1, 41.20N;29:25W, h5km, MD4.2, ML3.5, Error ellipse: s-maj=9.0km s-min=5.7km az=70.0

ISC 04 00:16:58.2±2.4, 40.95S;168:29:10W, 0.08, h27km, 19km, n23, +0888/27, mb3.5/7, MS3.5/4, Azores Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Lists various seismic stations and their data points.

ISC 04 00:21:50.3±1.3, 29.39N;142.14E, h0km, mb3.5/6, mb1 3.7/8, mb1mx3.5/41, mbtmp3.6/8, ML3.0/2, MS3.8/2, Ms1 3.8/2, ms1mx2.7/33, Error ellipse: s-maj=48.2km s-min=21.0km az=80.0

ISCJB 04 00:21:52.7±0.9, 29.41N;07:142E, 0.03, h30km, mb3.6/6, MS3.8/2, Error ellipse: s-maj=35.7km s-min=8.4km az=171.4

ISC 04 00:21:54.7±1.0, 29.37N;07:142E, 0.03, h30km, n10, +1913/9, mb3.6/6, Southeast of Honshu

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Lists various seismic stations and their data points.

ISCJB 04 00:33:48.9±0.6, 35.59N;07:140E, 0.06, h75km, 5km, mb3.4/6, Error ellipse: s-maj=11.1km s-min=8.3km az=17.6

JMA 04 00:33:49.2±0.2, 35.71N;140:14E, h68km, 2km, M3.2, Broadband fault plane solution: P waves, NPT1: p=98.00000, s=862.00000, t=1.370000, NP2: p=208.00000, s=658.00000, t=1.470000. Principal axes: T P1g3.00000, Azm154.00000, N P1g45.00000, Azm247.00000; P P1g45.00000, Azm154.00000

ISC 04 00:33:51.3±3.6, 35.74N;140:22E, h76km, 29km, mb3.1/6, mb1 3.4/6, mb1mx3.2/47, mbtmp3.5/6, Error ellipse: s-maj=33.5km s-min=28.4km az=51.0

ISC 04 00:33:50.0±0.9, 35.63N;07:140E, 0.06, h69km, 8km, n21, +08123, mb3.6/6, 1C-4D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Lists various seismic stations and their data points.

ISCJB 04 00:34:19.4±0.6, 24:42S;0:08:180E, 0.1, h505km, mb4.0/11, Error ellipse: s-maj=16.1km s-min=10.2km az=7.8

ISC 04 00:34:19.8±1.7, 24:35S;179:06E, h501km, 17km, mb3.6/12, mb1 3.8/13, mb1mx3.6/33, mbtmp4.5/13, Error ellipse: s-maj=20.4km s-min=15.9km az=141.0

ISC 04 00:34:19.7±0.7, 24:55S;0:11:179W, 0.1, h505km, n19, +1501/24, mb3.9/11, South of Fiji Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, H m s, ISC. Lists various seismic stations and their data points.

ISCJB 04 00:37:40.8±0.8, 40:30N;05:29:1W, 0.1, h10km, mb3.4/7, MS3.7/17, Error ellipse: s-maj=13.0km s-min=6.3km az=171.8

ISC 04 00:37:40.2±1.2, 40:85N;29:70W, h0km, mb3.5/7, mb1 3.7/8, mb1mx3.5/41, mbtmp3.5/8, ML3.7/1, MS3.8/18,

Ms1 3.8/18, ms1mx3.6/30, Error ellipse: s-maj=39.1km s-min=19.8km az=11.0  
 SVSA 04 00:37:41.7-1.1, 41:17N-29:28W, h5km, ML3.3, Error ellipse: s-maj=10.3km s-min=5.4km az=94.0  
 ISC 04 00:37:41.5-0.8, 40:96N:0.06:29:29W:0.06, h10km, n38,  $\epsilon$ 197/32, mb3.5/7, MS3/8/17, Azores Islands region

Code	Station Name	$\Delta^\circ$	AZ $^\circ$	Op	Phase ID	ISC	Time	Res
							h m s	ISC
H07N1	FLORES T-PHASE	1.89	229	eP	Op	S	00 38 37.4	-0.2
SRBC	Serra Branca	2.14	153	eP	S	Pn	00 38 15.8	-1.5
H07S1	FLORES T-PHASE	2.15	224	eP	S	Pn	00 38 42.3	-2.0
PGRA	Graciosa	2.17	152	eP	A	Pn	00 38 16.0	-1.7
PCED	Cedros	2.37	169	eP	A	Pn	00 38 19.6	-0.8
PCED	63nm,0.6s			A			00 38 51.4	
PCED	Rosais	2.38	160	eS	A	S	00 38 48.4	-1.1
ROSA				eS	A	S	00 38 19.0	-1.5
ROSA				eS	A	S	00 38 47.3	-2.4
ROSA	27nm,0.4s			A			00 38 51.4	
CALA	Caldeira	2.41	169	eP	A	Pn	00 38 20.1	-1.0
CALA				eS	A	Pn	00 38 49.1	-1.7
HOR	Horta	2.48	168	eP	A	Pn	00 38 20.4	-1.5
HOR				eS	A	Pn	00 38 50.3	-1.9
HOR				eS	A	Pn	00 38 54.0	
PMAN	Manadas	2.50	158	eP	A	Pn	00 38 21.3	-0.9
PICO	Pico	2.54	165	eP	A	Pg	00 38 39.0	+8.8
PICO				eS	A	Pg	00 39 07.9	+4.8
PICO				eS	A	Pg	00 39 10.3	
PCAN	Candelaria	2.56	166	eP	A	Pn	00 38 21.9	-1.2
PCAN				eS	A	S	00 38 52.4	-2.0
PCAN				eS	A	S	00 38 57.9	
ADH	Angra Heroismo	2.79	145	eP	A	Pn	00 38 24.7	-1.5
PSCM	Serra do Cume	2.81	143	eP	A	Pn	00 38 25.0	-1.4
PSCM				eS	A	S	00 38 56.8	-3.5
PSCM				eS	A	S	00 39 03.1	
PSET	Sede Citades	4.17	137	eP	A	Pn	00 38 44.2	-1.1
PDA	Ponta Delgada	4.26	138	eP	A	Pn	00 38 45.7	-0.7
GRON	Grota Negra	4.31	136	eP	A	Pn	00 38 46.8	-0.4
CMLA	Cha da Macela	4.32	136	eP	A	Pn	00 38 45.5	-1.8
CMLA				eS	A	Pn	00 39 34.1	-3.6
CMLA				eS	A	Pn	00 39 39.7	
BART	Pico Bartolomeo	4.50	134	eP	A	Pn	00 38 48.1	-1.7
ESDC	Seneca Array	19.34	85	P			00 42 11.1	+3.0
ESDC	comp-Z,226nm,20.3s,baz=275,slow=32			LR			00 48 09.5	
MDT	Midelt	21.30	105	LR			00 49 09.9	
DAVJ	Davos/Dischmat	28.61	65	LR			00 54 13.5	
DAVJ	comp-Z,179nm,18.5s,baz=282,slow=34			LR			00 51 47.8	
SFJD	Kangerlussuaq	28.63	343	LR			00 55 47.0	
SFJD	comp-Z,32nm,21.1s,baz=158,slow=30			LR			00 55 28.9	
KEST	Kesra	30.57	87	LR			00 54 46.2	
KEST	comp-Z,209nm,18.1s,baz=187,slow=56			LR			00 54 46.2	
GERES	GERESS Array B	31.11	61	LR			00 54 46.2	
GERES	comp-Z,157nm,18.1s,baz=276,slow=34			LR			00 54 46.2	
NOA	NORSAR Array B	31.71	37	LR			00 54 46.2	
NOA	comp-Z,177nm,19.0s,baz=245,slow=32			LR			00 54 46.2	
TORD	Tordjil Arr. Bea	38.73	127	P			00 45 07.6	+1.7
TORD	1.0nm,0.9s,baz=329,slow=6.5,SNR=6.0			P			00 59 17.6	
FINES	FINES Array B	38.79	39	LR			00 59 17.6	
FINES	comp-Z,181nm,19.1s,baz=256,slow=33			LR			00 59 17.6	
AKASG	Malin Array Be	40.93	56	P			00 45 28.5	+4.7
AKASG	0.3nm,0.4s,baz=276,slow=9.2,SNR=2.7			P			01 01 33.5	
AKASG	LR						01 01 33.5	
ULM	Lac du Bonnet	46.06	305	LR			01 03 51.4	
ULM	comp-Z,111nm,19.5s,baz=70,slow=34			LR			01 08 42.5	
KLBZ	Khabaz	51.85	61	LR			00 46 55.4	+0.2
KLBZ	comp-Z,49nm,20.1s,baz=322,slow=36			LR			00 47 30.1	-1.5
YKA	Yellowknife Ar	52.62	324	P			01 11 15.1	
YKA	0.6nm,0.3s,baz=66,slow=7.3,SNR=5.8			P			01 08 11.2	
PDAR	Pinedale Array	57.59	301	P			00 47 49.0	-1.2
PDAR	0.4nm,1.0s,baz=61,slow=7.3,SNR=2.9			P			01 13 08.7	
PDAR	LR						01 18 13.0	
BDFB	Brasilia	59.93	201	LR			01 14 30.2	
BDFB	comp-Z,73nm,19.1s,baz=248,slow=31			LR			01 18 13.0	
TXAR	Lajitas Array	60.24	284	P			01 14 30.2	
TXAR	0.5nm,0.7s,baz=74,slow=6.7,SNR=5.9			P			01 18 13.0	
TXAR	LR						01 18 13.0	
NVAR	Mina Array Bea	65.52	300	LR			01 18 13.0	
NVAR	comp-Z,42nm,18.2s,baz=132,slow=37			LR			01 18 13.0	
LPAZ	La Paz	67.39	221	LR			01 18 13.0	
LPAZ	comp-Z,110nm,20.8s,baz=68,slow=33			LR			01 18 13.0	
ZALV	Zalesovo Beam	69.89	35	P			00 48 53.6	+1.3
ZALV	0.1nm,0.3s,baz=292,slow=4.5,SNR=3.5			P			01 18 56.1	
ZALV	LR						00 49 15.3	+0.7
MKAR	Makanchi Array	73.56	42	P			01 21 02.3	
MKAR	0.7nm,1.0s,baz=339,slow=3.1,SNR=5.6			P				
MKAR	LR							

FITZ	Fitzroy Crossi	41.16	212	eP	P		00 59 40.1	-0.6
FITZ	7.7nm,1.4s			P			00 59 54.4	+0.5
AS01	Alice Springs	42.78	198	eP	P		00 59 53.5	-0.6
AS01	Alice Springs	42.80	198	eP	P		00 59 53.5	-0.6
AS01	1.2nm,0.6s			P			00 59 58.9	-0.3
ASAR	Alice Springs	42.80	198	P			00 59 58.9	-0.3
ASAR	2.1nm,1.0s,baz=22,slow=9.2,SNR=15			P			00 59 58.9	-0.3
DZM	Mont Dzumac	43.42	154	eP	P		01 00 01.9	-3.4
DZM	9.2nm,1.0s			P			01 00 12.9	0.0
DZM	Kitkaha	43.42	154	P			01 00 12.9	0.0
DZM	6.1nm,0.9s,baz=357,slow=9.6,SNR=5.3			P			01 00 12.9	0.0
UGM	Wanagama	44.16	238	eP	P		01 00 46.0	+1.4
UGM	4.7nm,1.4s			P			01 02 06.5	+0.4
SONAG	Songino Array	45.16	322	eP	P		01 02 06.5	+0.5
SONM	Songino Array	45.16	322	P			01 02 07.8	+0.2
SONM	1.9nm,0.9s,baz=120,slow=6.9,SNR=10			P			01 02 24.7	-0.1
SONAT	Songino Array	45.16	322	eP	P		01 02 26.3	+1.1
CM01	Chiang Mai Arr	45.91	279	eP	P		01 02 31.1	+0.5
CM31	Chiang Mai Arr	45.92	279	eP	P		01 02 31.1	+0.5
CMAR	Chiang Mai Arr	45.92	279	P			01 02 31.1	+0.5
CMAR	2.2nm,0.4s,baz=72,slow=6.6,SNR=18			P			01 02 31.1	+0.5
STKA	Stevens Creek	49.23	186	P			01 02 31.1	+0.5
STKA	0.5nm,0.3s,baz=20,slow=7.4,SNR=3.7			P			01 02 31.1	+0.5
KEKH	Kekeha	49.92	76	eP	P		01 02 31.1	+0.5
FORT	Forrest	51.29	201	eP	P		01 02 59.1	+0.5
FORT	33nm,0.7s			P			01 03 01.7	+1.3
ZAAO	Zalesovo Array	60.02	323	eP	P		01 03 01.7	+1.3
ZAAO	3.0nm,0.8s			P			01 03 01.7	+1.3
ZALV	Zalesovo Beam	60.02	323	eP	P		01 03 01.7	+1.3
ZALV	2.4nm,0.7s,baz=98,slow=6.1,SNR=16			P			01 02 02.2	-0.4
ZAA1	Zalesovo Array	60.02	323	eP	P		01 02 02.2	-0.4
MK01	Makanchi Array	60.49	314	eP	P		01 02 06.5	+0.5
MK31	Makanchi Array	60.50	314	P			01 02 06.5	+0.5
MK32	Makanchi Array	60.50	314	P			01 02 06.5	+0.5
MKAR	Makanchi Array	60.50	314	P			01 02 07.8	+0.2
MKAR	1.5nm,0.6s,baz=90,slow=8.9,SNR=21			P			01 02 24.7	-0.1
MAK2	Makanchi	60.72	314	eP	P		01 02 26.3	+1.1
MAK2	2.9nm,0.6s			P			01 02 31.1	+0.5
KURK	Kurchatov	63.30	318	eP	P		01 02 31.1	+0.5
KURK	5.4nm,1.0s			P			01 02 31.1	+0.5
NR1K	NR1'k	63.41	340	P			01 02 31.1	+0.5
NR1K	3.5nm,0.7s,baz=102,slow=5.9,SNR=5.8			P			01 02 31.1	+0.5
IL1	Eielson Array	64.20	26	P			01 02 31.1	+0.5
ILAR	Eielson Array	64.20	26	P			01 02 31.1	+0.5
ILAR	1.6nm,0.8s,baz=256,slow=4.3,SNR=12			P			01 02 31.1	+0.5
ILB	Eielson Array	64.20	26	eP	P		01 02 31.1	+0.5
NIL	Nilore	67.53	300	eP	P		01 02 59.1	+0.5
NIL	4nm,0.7s			P			01 03 01.7	+1.3
BRVK	Boroyevo	68.56	321	eP	P		01 03 01.7	+1.3
BRVK	6.1nm,0.8s			P			01 03 01.7	+1.3
KK31	Karatay Array	68.81	310	eP	P		01 03 01.7	+1.3
KKAR	Karatay Array	68.81	310	eP	P		01 03 01.7	+1.3
INK	Inuvik	70.03	23	P			01 03 08.7	+1.3
INK	4.6nm,1.3s			P			01 03 08.7	+1.3
INK	Inuvik	70.03	23	P			01 03 13.7	+0.2
KBL	Kabul	70.89	301	eP	P		01 03 37.6	0.0
KBL	3.3nm,0.8s			P			01 03 39.1	-0.4
ARU	Arti	75.06	325	eP	P		01 03 57.1	+0.4
ARU	5.5nm,0.8s			P			01 03 57.1	+0.4
ABKAR	Abkutak array	75.37	317	eP	P		01 03 57.1	+0.4
YKA	Yellowknife Ar	78.47	28	P			01 03 57.1	+0.4
YKA	0.7nm,0.6s,baz=285,slow=5.5,SNR=3.8			P			01 03 57.1	+0.4
YKBS	Yellowknife Ar	78.47	28	eP	P		01 03 57.1	+0.4
NV01	Mina Array Sit	82.77	52	eP	P		01 04 20.9	+0.4
NVAR	Mina Array	82.77	52	eP	P		01 04 20.9	+0.4
NVAR	1.0nm,0.6s,baz=274,slow=5.5,SNR=6.2			P			01 04 26.1	-1.2
ARAO	ARCESS Array B	84.25	343	P			01 04 26.1	-1.2
ARCES	ARCESS Array B	84.25	343	P			01 04 26.1	-1.2
ARCES	3.4nm,0.9s,baz=30,slow=9.3,SNR=2.9			P			01 04 28.8	+0.1
ELMK	Elkore	84.36	49	eP	P		01 04 40.5	-1.3
ELMK	2.4nm,1.0s			P			01 04 46.9	+1.8
RLMT	Red Lodge	87.02	44	eP	P		01 04 46.9	+1.8
RLMT	4.1nm,1.2s			P			01 04 52.9	+3.9
PD31	Pinedale Array	87.68	46	eP	P		01 04 50.9	+1.5
PDAR	Pinedale Array	87.68	46	eP	P		01 04 50.9	+1.5
PDAR	0.2nm,0.6s,baz=247,slow=6.3,SNR=2.8			P			01 04 50.9	+1.5
SRU	San Rafael Swe	88.32	50	eP	P		01 04 50.9	+1.5
SRU	3.6nm,0.9s			P			01 04 58.1	+3.5
FINA	FINES Array S	88.75	336	eP	P		01 04 59.3	+3.9
FINES	FINES Array B	88.75	336	P			01 05 32.6	+2.8
FINES	0.6nm,0.5s,baz=44,slow=5.8,SNR=4.9			P			01 05 32.6	+2.8
PV14	Lion Creek, Pa	89.68	50	eP	Pdf			





4ed 1h

Table with columns: STATION, Azimuth, Elevation, Frequency, SNR, and other technical details for various stations.

BJI 04:01:20:16.7, 5.86S x 131.13E, h61km, mB5.1/27, mb4.9/42, Ms4.9/7, Ms7.4/6.7

ISCJB 04:01:20:21.9, 5.56S; 0.03; 131.01E; 0.03, h86km, 4km, mb4.9/68, Error ellipse: s-maj=4.9km s-min=4.3km az=12.5

NEIC 04:01:20:22.7, 0.8, 5.54S; 130.92E, h74km, 7km, mb4.9/27, Error ellipse: s-maj=7.7km s-min=5.3km az=71.0

DJA 04:01:20:23.3, 0.2, 6.5, 2x13.1E, h82km, 5km, M5.0/23, mb4.8/23, mB5.3/9, MLv5.3/9, m(m)B4.8/9

MOS 04:01:20:24.8, 1.1, 5.59S; 130.77E, h109km, mb4.9/23, Error ellipse: s-maj=16.1km s-min=6.2km az=114.4

IDC 04:01:20:26.8, 0.5, 5.55S; 130.79E, h106km, 4km, mb4.4/18, mb1.4/5.19, mb1mx4.4/25, mbtmp4.7/19, MS3.1/7, Ms1.3/1.7, ms1mx2.9/39, Error ellipse: s-maj=15.3km s-min=5.2km az=21

ISC 04:01:20:23.1, 0.4, 5.54S; 0.03; 130.97E; 0.05, h80km, 3km, n208, r155/226, mB5.0/76, 13C-15D, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other technical details for various stations.

2013 FEB

Table with columns: STATION, Azimuth, Elevation, Frequency, SNR, and other technical details for various stations.

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Table with columns: STATION, Azimuth, Elevation, Frequency, SNR, and other technical details for various stations.











NIED 04:00:00.30:20N:131.10E,h41km,Mw4.1 Best double couple: M=1.43000:1015 NP1=329.00000°,851.00000°,1.53.00000°. NP2=77.00000°,870.00000°,4.2.00000°.  
 ISCBJ 04:00:51.3:0.5,30:22N:131.05E:0.04,h50km,3km,mb4.1/21,MS3.5/3, Error ellipse: s-maj=7.0km  
 s-min=4.5km az=43.6  
 IDC 04:00:53.0:1.2,30:22N:130.86E,h46km,11km,mb3.7/14,mb1.3/19,mb1mx3.7/44,mbtmp3.9/19,ML3.5,MS3.2/3,Ms1.3/2.3,ms1mx2.7/58, Error ellipse: s-maj=20.8km  
 s-min=8.0km az=98.0  
 BUJ 04:00:52.6:0.3,30:28N:130.99E,h55km,mb4.7/16,mb4.3/26,Ms4.7/4,Ms7.4/6.4  
 JMA 04:00:52.0:0.1,30:20N:131.09E,h40km,17km,mb3.9  
 JMA Felt 1/1  
 NEIC 04:00:54.4:0.9,30:30N:131.02E,h60km,9km,mb4.3/3, Error ellipse: s-maj=12.2km s-min=7.4km az=177.0  
 ISC 04:00:52.7:0.8,30:22N:130.98E:0.06,h43km,6km,n68,r107/75,mb4.2/28,MS3.4/3,3C-4D,Kyushu

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
JMTN	Minamitan	0.19	340	Op	04 00 59.5	-0.8				
JMTN				eS	04 01 05.1	-0.5				
JYAK	Yakushimahirau	0.41	273	Op	04 01 02.6	+0.2				
JYAK				eS	04 01 09.5	+0.3				
JTN	Tanegashima 3	0.44	0	Op	04 01 02.0	-0.8				
JTN				eS	04 01 09.4	-0.5				
JKC	Kuchinoerabu	0.72	290	Op	04 01 07.1	+0.6				
JTSR	Tashiro 2	0.95	357	Op	04 01 09.6	0.0				
JTSR				eS	04 01 22.8	+0.8				
JNN	Nakanoshima	1.03	249	Op	04 01 11.8	+1.1				
JNN				eS	04 01 26.0	+2.1				
JNAR	Kushima-Naru	1.33	11	Op	04 01 14.8	0.0				
JNAR				eS	04 01 32.5	+1.2				
JSU	Suzuyama	1.36	341	Op	04 01 15.3	0.0				
JSU				eS	04 01 32.8	+0.6				
JNU	Nakatsue	2.90	358	ePn	04 01 37.0	+0.6				
JNU	Nakatsue	2.90	358	P	04 01 37.0	+0.6				
JNU				S	04 02 10.5	+0.5				
JOW	Kunigami	4.13	216	P	04 01 52.9	-0.4				
JOW				S	04 02 39.3	-0.9				
JOW				S	04 02 39.3	-0.9				
INU	Inuyama	7.21	43	ePn	04 02 35.9	+0.3				
KSRS	Korea Array	7.65	341	P	04 02 42.8	+1.2				
KSRS				LR	04 06 09.6					
JHU	Hachioji jima 2	8.04	67	S	04 04 19.4	+2.8				
JHU2	Mitsue	8.07	67	P	04 02 49.0	+1.7				
SSE	Sheshan	8.48	278	ePn	04 02 54.9	+1.9				
MAJO	Matsushiro	8.73	42	ePn	04 02 56.4	-0.1				
MAT	Matsushiro	8.73	42	P	04 02 56.4	0.0				
MJAR	Matsushiro Arr	8.73	42	P	04 02 56.9	+0.5				
MJB9	Matsu-Tunnel	8.73	42	ePn	04 02 56.5	+0.1				
NJ2	Nanjing	10.55	283	eP	04 03 21.9	+0.6				
USRK	USSRysk Ar.	13.98	3	P	04 04 17.7	-0.4				
HHC	Hu-ho-hao-te	18.99	309	eP	04 05 13.1	+1.4				
HHC				pmx						
KLR	Kul'dur	19.00	2	P	04 05 10.9	-0.7				
XAN	X'ian	19.06	287	P	04 05 11.8	-0.7				
XAN				pmx						
XAN				pmx						
XAN				pmx						
GYA	Guyang	21.71	266	P	04 05 41.5	+1.2				
GYA				pmx						
LZH	Lanzhou	23.42	292	eP	04 05 56.2	-1.9				
LZH				pP	04 06 09.5	+0.4				
LZH				sP	04 06 16.0	+1.6				
LZH				ePn	04 06 30.3	+4.7				
LZH				pmx						
LZH				pmx						
LZH				LR						
LZH				LR						
LZH				LR						
LZH				LR						
CD2	Chengdu	23.43	279	eP	04 05 58.0	-0.2				
CD2				pmx						
CD2				pmx						
KMI	Kunming	25.48	265	P	04 06 18.7	+1.5				
KMI				pmx						
KMI				pmx						
SOM1	Songino Array	25.80	320	P	04 06 18.8	-0.9				
SOM1				LR	04 17 15.4					
SOM1				LR						
SOM1				LR						
SOM1				LR						
H1N12	WAKE ISLAND Hy	34.06	99	T	04 43 32.2					
H1N11	WAKE ISLAND Hy	34.07	99	T	04 43 31.0					
H1N13	WAKE ISLAND Hy	34.08	99	T	04 43 33.8					
WMQ	Urumqi	36.72	304	eP	04 07 57.5	+1.0				
WMQ				pP	04 08 11.5	+4.0				
RAMN	Ramite	38.92	276	eP	04 08 14.0	-0.8				
JIRN	Jiri	39.09	278	eP	04 08 16.8	+0.5				
GUN	Gumba	39.30	278	eP	04 08 18.1	+0.1				
PKI	Pulchoki	39.78	278	eP	04 08 22.0	0.0				
ZALV	Zalesovo Beam	40.69	319	P	04 08 27.9	-0.9				
ZALV				LR	04 26 05.8					
MK01	Makanchi Array	40.84	308	eP	04 08 30.1	0.0				
MK31	Makanchi Array	40.85	308	eP	04 08 30.0	-0.3				
MKAR	Makanchi Array	40.85	308	P	04 08 29.8	-0.5				
DANN	Dangjing	41.00	280	eP	04 08 32.0	0.0				
KOLN	Koldanda	41.28	279	eP	04 08 33.9	-0.4				
PYUN	Piuthan	41.72	279	eP	04 08 37.7	-0.1				
KURK	Kurchatov	43.73	313	eP	04 08 52.8	-0.8				
NRN	Naryn	45.28	300	eP	04 09 07.2	+0.7				
KSH	Kashi	45.47	297	P	04 09 10.7	+2.9				
KSH				PP	04 10 54.8	+0.2				
AAK	Ala-Archa	46.32	302	eP	04 09 14.2	-0.3				
FITZ	Fitzroy Crossi	48.31	187	P	04 09 29.9	0.0				
KK31	Karatay Array	49.20	303	eP	04 09 36.8	+0.2				
KKAR	Karatay Array	49.20	303	eP	04 09 36.7	+0.1				
WRAB	Tennant Creek	49.96	176	eP	04 09 42.5	0.0				
WRA	Warramunga Arr	49.97	176	P	04 09 42.4	-0.2				
ASAR	Alice Springs	53.65	177	P	04 10 09.9	-0.1				
ABKAR	Akbulak array	55.77	311	eP	04 10 24.7	-0.4				
STKA	Stevens Creek	62.57	170	P	04 11 12.6	+0.4				
INK	Inuvik	64.28	24	P	04 11 23.3	+0.2				

1.2nm,1.0s,baz=230,slow=8.1,SNR=5.1  
 ARCES ARCES Array B 67.20 338 P 04 11 41.5 -0.5  
 1.0nm,0.6s,baz=44,slow=7.2,SNR=5.9  
 KBZ Khabaz 68.50 339 P 04 11 50.7 0.0  
 1.2nm,0.5s,baz=211,slow=8.5,SNR=6.1  
 FINES FINES Array B 70.60 301 P 04 12 02.6 -0.5  
 3.1nm,0.4s,baz=65,slow=6.0,SNR=5.2  
 AKASO Malin Array Be 74.08 320 P 04 12 23.1 -1.1  
 0.6nm,0.4s,baz=57,slow=6.5,SNR=4.1  
 BRTR Keskinn Array B 75.50 308 P 04 12 37.8 -0.7  
 1.0nm,0.8s,baz=123,slow=5.0,SNR=5.8  
 NOA NORSAR Array B 76.80 334 P 04 12 39.1 -0.5  
 0.4nm,0.5s,baz=49,slow=5.7,SNR=3.3  
 CLL Collm 82.25 326 eP 04 13 09.0 -0.3

MEX 04:04:01:25.3:17.0,24.85N:110.40W,h10km,MD3.6,Baja

Code	Station Name	Δ°	AZ°	Op	Phase ID	Time Res	ISC	h	m	s	ISC
LPIG	La Paz	0.75	174	eP	Sg	04 01 38.0	-1.8				
SLBS	Sierra La Lagu	1.23	160	eP	Sg	04 01 44.8	-3.8				

IDC 04:04:12:35.9:14.0,16:62S:66:29E,h0km,mb3.5/4,mb1.3/6.4,mb1mx3.4/28,mbtmp3.5/4,MS3.3/4,Ms1.3/3.4,Ms1.0/3.0,ms1mx2.9/38, Error ellipse: s-maj=14.2km s-min=39.0km az=58.0, Mid-Indian Ridge

Code	Station Name	Δ°	AZ°	Op	Phase ID	Time Res	ISC	h	m	s	ISC
H08S1	Diego Garcia H	10.78	35	T	T	04 25 58.3					
H08S2	Diego Garcia H	10.79	35	T	T	04 25 56.0					
H08S3	Diego Garcia H	10.80	35	T	T	04 25 60.3					
H08N3	Diego Garcia H	11.20	25	T	T	04 26 41.4					
H08N1	Diego Garcia H	11.22	25	T	T	04 26 42.1					
H08N2	Diego Garcia H	11.23	25	T	T	04 26 40.1					
PAL2	Pallekele	27.70	32	LR	LR	04 26 22.2					
KMBO	Kilima Mbojo	32.48	295	LR	LR	04 31 15.0					
BOSA	Boshof	39.53	245	LR	LR	04 34 46.3					
CMAR	Chiang Mai Arr	47.41	44	LR	LR	04 37 57.0					
WRA	Warramunga Arr	49.97	176	P	P	04 23 13.8	0.0				
MKR	Makanchi Array	64.75	12	P	P	04 23 16.1	+0.1				
ZALV	Zalesovo Beam	72.06	11	P	P	04 24 01.6	0.0				
SONM	Songino Array	73.50	27	P	P	04 24 10.6	+0.1				

ISCJB 04:04:25:40.0:0.8,12:01N:02:87:6W:0.1,h48km,mb3.9/10,MS3.2/4, Error ellipse: s-maj=27.3km s-min=5.2km az=37.1

IDC 04:04:25:41.7:1.4,12:16N:87:45W,h41km,14km,mb3.7/10,mb1.3/9.13,mb1mx3.6/48,mbtmp3.8/13,ML3.0/3,MS3.3/4,Ms1.3/3.4,ms1mx2.9/38, Error ellipse: s-maj=36.0km s-min=7.8km az=41.0

ISC 04:04:25:42.0:0.8,12:11N:02:87:5W:0.1,h48km,n20,0:0563/24,mb4.0/10,MS3.1/4,Near coast of Nicaragua

Code	Station Name	Δ°	AZ°	Op	Phase ID	Time Res	ISC	h	m	s	ISC
JTS	JuntasAbangare	3.08	126	P	P	04 28 28.7	+0.6				
JTS				S	S	04 27 03.5	-0.3				
APG	El Apazote	0.38	317	slow=16,SNR=7.9	P	04 26 41.9	-0.2				
APG				S	S	04 27 28.7	+0.1				
CMIG	Mattias Romero	6.70	306	P	P	04 29 45.0	-0.2				
CMIG				S	S	04 27 22.7	+0.7				
ROSC	El Rosal	14.89	118	P	P	04 29 13.5	-1.3				
SDV	Santo Domingo	16.89	99	P	P	04 29 37.4	+0.6				
ATAH	Atahualpa	21.15	154	LR	LR	04 37 23.0					
TXAR	Lajataj Array	22.81	321	P	P	04 30 41.7	+0.7				
TKL	Tkaleechee C	23.69	8	P	P	04 30 50.7	+1.3				
TKL				LR	LR	04 39 53.8					
NNA	Nana	26.17	156	LR	LR	04 39 55.6					
PTGA	Pitinga	30.17	113	P	P	04 31 48.0	+0.2				
PTGA				LR	LR	04 45 26.4					
PDAR	Pinedale Array	36.05	332	P	P	04 32 39.3	+0.1				
PDAR				PcP	PcP	04 35 05.4	+0.8				
NVAR	Mina Array Bea	37.93	619	P	P	04 32 54.9	-0.3				
ULM	Lac du Bonnet	38.65	351	P	P	04 35 10.9	+0.5				





SELS	Selova	3.50	95	ePn	Pn	04 30 41.3 +1.6
SELS				eSn	Sn	04 31 23.2 +1.9
PTCC	Patocco-Chiusa	3.51	324	P	Pn	04 30 41.6 +1.6
PTCC				AML	AML	
PTCC	comp=E,584µm,1.5s			AML	AML	
PTCC	comp=N,553µm,1.6s			AML	AML	
PTCC	comp=N,553µm,1.6s			AML	AML	
PTCC	comp=E,584µm,1.5s			AML	AML	
ACOM	Acomizta, Ital	3.56	327	P	Pn	04 30 43.3 +2.5
ACOM				AML	AML	
ACOM	comp=E,2000µm,1.2s			AML	AML	
ACOM	comp=N,1304µm,1.1s			AML	AML	
ACOM	comp=N,1304µm,1.1s			AML	AML	
ACOM	comp=N,1304µm,1.1s			AML	AML	
MYKA	Terra Mystica	3.58	329	ePn	Pn	04 30 43.2 +2.3
MYKA				eSn	Sn	04 31 25.8 +2.4
MYKA	comp=E,43nm,0.5s			eSn	Sn	
SVIS	Svilajnac	3.58	78	ePn	Pn	04 30 42.0 +1.2
SVIS				eSn	Sn	04 31 25.2 +2.0
SVIS				eSn	Sn	04 30 44.3 +3.4
PHP	Peshkopia	3.58	121	P	Pn	04 30 44.3 +3.4
PHP	Peshkopia	3.58	121	P	Pn	04 30 44.3 +3.4
PHP	Peshkopia	3.58	121	iPn	Pn	04 30 48.1 +0.5
PHP	Peshkopia	3.58	121	iSn	Pn	04 31 23.4 +0.0
POLC	Polcenigo	3.65	313	P	Pn	04 30 43.5 +1.8
POLC				AML	AML	
POLC	comp=E,2165µm,0.8s			AML	AML	
POLC	comp=N,2070µm,0.6s			AML	AML	
POLC	comp=E,2165µm,0.8s			AML	AML	
POLC	comp=N,2070µm,0.6s			AML	AML	
ARSA	Arzberg	3.69	351	iPn	Pn	04 30 43.0 +0.7
ARSA				eSn	Sn	04 31 27.3 +1.3
ARSA	comp=N,9.4nm,0.2s			eSn	Sn	
STAL	STALIGIAL	3.70	317	P	Pn	04 30 44.1 +1.6
STAL				AML	AML	
STAL	comp=E,1590µm,1.5s			AML	AML	
STAL	comp=N,946µm,0.8s			AML	AML	
STAL	comp=E,1810µm,1.5s			AML	AML	
STAL	comp=N,1290µm,1.4s			AML	AML	
STAL	comp=N,1290µm,1.4s			AML	AML	
STAL	comp=N,946µm,0.8s			AML	AML	
STAL	comp=E,1590µm,1.5s			AML	AML	
PTF				AML	AML	
PTF	comp=E,1810µm,1.5s			AML	AML	
BANR	Banloc	3.84	277	P	Pn	04 30 47.2 +2.8
BANR		3.86	61	S	Sn	04 31 30.6 +0.5
SCTE	Santa Cesarea	3.87	155	P	Pn	04 30 45.8 +0.9
SCTE				AML	AML	
SCTE	comp=E,226µm,1.4s			AML	AML	
SCTE	comp=N,249µm,1.0s			AML	AML	
SCTE	comp=E,226µm,1.4s			AML	AML	
SCTE	comp=N,249µm,1.0s			AML	AML	
BOVS	Bovan	3.89	88	ePn	Pn	04 30 46.6 +1.5
BOVS				eSn	Sn	04 31 32.7 +1.8
BOVS				eSn	Sn	04 30 46.1 +0.5
KUBS	Kucevo	3.93	76	ePn	Pn	04 30 46.1 +0.5
KUBS		3.98	307	iPn	Pn	04 31 39.7 +3.9
MDVR	Moldovita	4.03	71	iPn	Pn	04 30 49.2 +2.1
MDVR		4.03	71	S	Sn	04 31 34.8 +0.3
MDVR	Moldovita	4.03	71	S	Sn	04 30 48.6 +1.2
AGOR	Agordo	4.06	313	iPn	Pn	04 30 49.6 +1.9
AGOR		4.07	313	iPn	Pn	04 30 49.6 +1.9
KBA	Koelnbreinsper	4.07	330	iPn	Pn	04 30 50.0 +1.3
KBA				eSn	Sn	04 31 37.2 +1.7
KBA	comp=N,12nm,0.3s			eSn	Sn	
BARS	Barje	4.07	99	ePn	Pn	04 30 48.8 +1.2
BARS	Barje	4.07	99	ePn	Pn	04 30 49.3 +1.7
BARS				eSn	Sn	04 31 35.0 +0.3
BARS				eSn	Sn	04 31 38.2 +2.2
SOP	Sopron	4.08	2	ePn	Pn	04 30 47.1 +0.6
SOP				Sn	Sn	04 31 35.1 +0.5
SOP				eSg	Sg	04 32 02.0 +6.1
SKO	Skopje	4.09	112	P	Pn	04 30 51.2 +3.4
SKO				S	Sn	04 31 39.7 +3.9
SKO	Skopje	4.09	112	P	Pn	04 30 51.2 +3.4
SKO				S	Sn	04 31 39.7 +3.9
SKO	Skopje	4.09	112	iPn	Pn	04 30 50.2 +2.3
SKO	Skopje	4.09	112	P	Pn	04 30 51.2 +3.4
SKO	Skopje	4.09	112	P	Pn	04 31 39.7 +3.9
SKO	Skopje	4.09	112	P	Pn	04 30 50.0 +1.3
ABTA	Abfaltersbach	4.15	321	iPn	Pn	04 31 53.3 +4.7
ABTA				eSn	Sb	04 31 53.3 +4.7
ABTA	comp=N,145nm,0.8s			eSn	Sb	
KRUS	Krusovo	4.26	120	iPn	Pn	04 30 52.4 +2.1
BZS	Buzias	4.26	60	iPn	Pn	04 30 52.1 +1.9
BZS	Buzias	4.26	60	P	Pn	04 30 52.1 +1.9
ZAGS	Zajecar	4.27	85	ePn	Pn	04 30 52.4 +2.1
ZAGS				eSn	Sn	04 31 41.5 +1.2
ROVR	Rover Verones	4.28	300	P	Pn	04 30 52.2 +1.6
BUD	Budapest	4.31	25	ePn	Pn	04 30 52.1 +1.3
BUD				eSg	Sn	04 31 23.1 +1.8
BUD				Sn	Sn	04 31 42.0 +0.9
BUD	Conrad Observa	4.33	356	iPn	Pn	04 30 52.5 +1.2
BUD				Sn	Sn	04 31 45.2 +3.2
CONA				Sn	Sn	
VLC	Villacollemand	4.34	279	ePn	Pn	04 30 54.1 +2.7
TIP	Timpagrande	4.44	176	ePn	Pn	04 30 54.5 +1.8
TIP	Timpagrande	4.44	176	iPn	Pn	04 30 52.7 0.0
MOA	Molin	4.49	342	ePn	Pn	04 30 55.6 +2.4
MOA				eSn	Sn	04 31 46.9 +1.3
MOA	comp=N,61nm,0.6s,SNR=45			eSn	Sn	
MOA	comp=N,21nm,0.4s			eSn	Sn	
RISI	Rein	4.50	319	iPn	Pn	04 30 55.6 +2.0
RISI	Rein	4.50	319	P	Pn	04 30 55.4 +1.8
RISI				AML	AML	
RISI	comp=E,1410µm,0.5s			AML	AML	
RISI	comp=N,917µm,0.9s			AML	AML	
RISI	comp=E,1410µm,0.5s			AML	AML	
RISI	comp=N,917µm,0.9s			AML	AML	
BIA	Bitola	4.51	123	P	Pn	04 30 56.8 +3.2
BIA				S	Sn	04 31 49.9 +3.7
BIA	Bitola	4.51	123	P	Pn	04 30 56.8 +3.2
BIA				S	Sn	04 31 49.9 +3.7
BIA	Bitola	4.51	123	iPn	Pn	04 30 56.4 +2.8
KOSI	Kohlern	4.53	311	iPn	Pn	04 30 55.6 +1.5
KOSI	Kohlern	4.53	311	P	Pn	04 30 55.6 +1.5
KOSI				AML	AML	
KOSI	comp=E,853µm,1.3s			AML	AML	
KOSI	comp=N,694µm,1.0s			AML	AML	
KOSI	comp=E,853µm,1.3s			AML	AML	
KOSI	comp=N,694µm,1.0s			AML	AML	
HERR	Herculane	4.54	72	iPn	Pn	04 30 56.3 +2.3
HERR	Herculane	4.54	72	S	Sn	04 31 46.2 +0.8
ZAPS	Zavoj	4.59	92	ePn	Pn	04 30 57.0 +2.3
ZAPS				eSn	Sn	04 31 48.5 +0.3
SIRR	Siria	4.61	53	iPn	Pn	04 30 57.3 +2.2
MAGA	Magasa	4.62	300	P	Pn	04 30 56.3 +1.1
MAGA				AML	AML	
MAGA	comp=N,856µm,0.6s			AML	AML	
MAGA	comp=N,500µm,1.6s			AML	AML	
MAGA	comp=E,856µm,0.6s			AML	AML	
MAGA	comp=N,500µm,1.6s			AML	AML	
SRN	Sarande	4.62	143	P	Pn	04 30 56.5 +1.4
SRN	Sarande	4.62	143	P	Pn	04 30 56.5 +1.4
APPI	Appiano	4.62	310	P	Pn	04 30 56.6 +1.4
APPI				AML	AML	
APPI	comp=E,465µm,0.7s			AML	AML	

APPI	comp=N,442µm,0.8s			AML	AML	
APPI	comp=N,442µm,0.8s			AML	AML	
APPI	comp=N,442µm,0.8s			AML	AML	
KEK	Kerkira	4.67	145	P	Pn	04 30 57.1 +1.3
KEK	Kerkira	4.67	145	P	Pn	04 30 57.1 +1.3
STIP	Stip	4.71	112	iPn	Pn	04 30 59.8 +3.4
PLMA	Palmaria, Port	4.72	278	P	Pn	04 30 59.2 +2.7
PLMA				AML	AML	
PLMA	comp=N,96µm,1.1s			AML	AML	
PLMA	comp=N,166µm,1.4s			AML	AML	
PLMA	comp=N,166µm,1.4s			AML	AML	
PLMA	comp=N,166µm,1.4s			AML	AML	
PLMA	comp=N,166µm,1.4s			AML	AML	
ABSI	Aberstueckl	4.73	313	iPn	Pn	04 30 58.2 +1.4
ABSI	Aberstueckl	4.73	313	P	Pn	04 30 58.7 +1.9
ABSI				AML	AML	
ABSI	comp=N,718µm,1.0s			AML	AML	
ABSI	comp=N,876µm,0.8s			AML	AML	
ABSI	comp=N,876µm,0.8s			AML	AML	
ABSI	comp=N,876µm,0.8s			AML	AML	
ABSI	comp=N,876µm,0.8s			AML	AML	
NEST	Nestorio	4.74	131	P	Pn	04 30 59.8 +3.0
NEST				S	Sn	04 31 54.1 +2.1
PUNG	Punghina	4.80	80	iPn	Pn	04 30 59.7 +2.1
PUNG	Punghina	4.80	80	S	Sn	04 31 55.4 +2.0
MODS	Modra-Piesok	4.81	7	eP	Pn	04 30 58.3 +0.6
MODS				pmax	pmax	04 31 52.9
MODS	comp=N,58nm,0.6s			pmax	pmax	
MODS	Modra-Piesok	4.81	7	ePn	Pn	04 30 58.3 +0.6
MODS				eSn	Sn	04 31 52.9 -0.7
MODS				eSg	Sg	04 31 56.7
ROSI	Roskopf	4.81	315	iPn	Pn	04 30 59.8 +1.8
ROSI	Roskopf	4.81	315	P	Pn	04 31 03.3 +5.4
ROSI				AML	AML	
ROSI	comp=N,803µm,1.1s			AML	AML	
ROSI	comp=N,701µm,1.1s			AML	AML	
ROSI	comp=N,701µm,1.1s			AML	AML	
ROSI	comp=N,701µm,1.1s			AML	AML	
ROSI	comp=N,701µm,1.1s			AML	AML	
MABI	Malga Bissina	4.82	303	iPn	Pn	04 30 59.5 +1.5
MABI	Malga Bissina	4.82	303	P	Pn	04 30 59.5 +1.5
MABI				AML	AML	
MABI	comp=N,130µm,1.5s			AML	AML	
MABI	comp=N,164µm,0.9s			AML	AML	
MABI	comp=N,130µm,1.5s			AML	AML	
MABI	comp=N,164µm,0.9s			AML	AML	
GZR	Gura Zlata	4.93	67	iPn	Pn	04 31 01.4 +1.9
GZR	Gura Zlata	4.93	67	S	Sn	04 31 07.9 +1.2
WTTA	Wattenberg	4.93	319	ePn	Pn	04 31 02.8 +3.2
WTTA				eSn	Sn	04 31 09.4 +2.4
WTTA	comp=N,1.3nm,0.1s			eSn	Sn	
WTTA	comp=N,1.1nm,0.3s			eSn	Sn	
WTTA	Wattenberg	4.93	319	iPn	Pn	04 31 03.2 +3.6
SMOL	Smolenice	4.96	8	eP	Pn	04 31 00.9 +1.1
SMOL				ePn	Pn	04 31 00.9 +1.1
SMOL	Smolenice	4.96	8	ePn	Pn	04 31 00.9 +1.1
SMOL				eSn	Sn	04 31 57.0 -0.4
PSZ	Piszkesteto	4.97	29	ePn	Pn	04 31 00.1 +0.1
PSZ				eSn	Sn	04 31 57.2 -0.5
PSZ	Piszkesteto	4.97	29	iPn	Pn	04 31 08.0 +0.8
PSZ	Piszkesteto	4.97	29	ePn	Pn	04 31 08.0 -4.3
PSZ				iSn	Sn	04 31 52.1 -5.7
PSZ				ePn	Sn	04 31 52.1 -5.7
PSZ				Sn	Sn	04 31 53.1 -4.7
PSZ				Sg	Sg	04 32 24.1 -0.6
PSZ	Piszkesteto	4.97	29	eSg	Sg	04 31 50.1 +0.1
PSZ				P	Pn	04 31 57.2
WATA	Walderalm	5.01	320	ePn	Pn	04 31 03.4 +2.7
WATA				eSn	Sn	04 31 03.4 +2.7
WATA	comp=N,4.8nm,0.2s,SNR=17			eSn	Sn	
SRE	Strehla	5.05	76	iPn	Pn	04 31 03.9 +2.9
MOSI	Grossmontoni	5.0				

4d 4h

Table of station data for the 4d 4h section, including station names like PLOIA, ITHOMI, and various array configurations with their respective coordinates and parameters.

2013 FEB

Main table of station data for February 2013, listing stations such as PRGR Permogore, KIRV, ARU, and others, with detailed technical specifications.

218

Table of station data for the 218 section, including stations like KNT, KND, KNT, and others, with their respective coordinates and parameters.

Geographic coordinates and identifiers for stations in the 218 section, including IGC 04:04:33:54.2, 1.2, 11.233x165.49E, h0km, mb4.0/8, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like DZM, DZM, DZM, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like THIG, THIG, PCIG, etc.

IGQ 04:04:35:09.0, 0.7, 3.52x8.1W±1, h6km, MLv3.7, Peru-Ecuador border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like APLA, MORR, MORR, etc.

Geographic coordinates and identifiers for stations in the IGQ section, including ISK 04:04:30:45.8, 0.4, 20.25N, 23.35E, h13km, ML2.6/3, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like BEO, BEO, BEO, etc.



4d 5h

Table with columns: ID, Name, Az, El, SNR, Az, El, SNR, Az, El, SNR. Includes stations like Waverly, Barren Site, McMinnville, etc.

2013 FEB

Table with columns: ID, Name, Az, El, SNR, Az, El, SNR, Az, El, SNR. Includes stations like Peebles, Hopedale, Mertquake, etc.

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Table with columns: ID, Name, Az, El, SNR, Az, El, SNR, Az, El, SNR. Includes stations like Wallace, Pierce-Schro, Loretta, etc.

ISCJB 04 05:10:59.70,3.46:17N,0:04:-143:07E,0:09,h341km, mb3,2/12, Error ellipse: s-maj=8.4km s-min=5.5km





Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like Popocatepetl, Yautepac, Laguna Verde, Universidad Na, etc.

IDC 04 05:39:42.3:2.0, 10.485x166.64E, h0km, mb3.7/6, mb1 4.0/6, mb1mx3.7/43, mbtmp3.7/6, MS3.3/4, MS1 3.3/4, ms1mx3.0/31, Error ellipse: s-maj=87.1km s-min=27.4km az=143.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like Honiara, Mont Dzumac, Stephens Creek, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like NIED 04 05:47:00, SKHL 04 05:47:52, JMA 04 05:47:52, etc.

IDC 04 05:50:02.3:3.7, 4.40S-151.97E, h0km, mb3.0/2, mb1 3.4/2, mb1mx3.1/33, mbtmp3.1/21, Error ellipse: s-maj=158.1km s-min=49.1km az=120.0, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, TORD Torodi Ar. Bea, etc.

SOME 04 05:50:49.6, 42.18N-78.45E, h15km KNET 04 05:50:49.8:0.1, 42.20N:78.40E, h15km, mb2.7 NNC 04 05:50:50.3:1.5, 42.25N:78.48E, h0km, mb2.9, mpv2.9, Error ellipse: s-maj=12.1km s-min=5.0km az=161.0

ISC 04 05:50:49.4:1.3, 42.21N:0.004:78.45E:0.03, h8km, gkm, n51, 0981/97, 11C-19D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like PRZ Przeval'sk, SATY Saty, SATY Saty, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like MDOK, IZV Iztvestkovy, IZV Iztvestkovy, etc.

MEX 04 06:01:24.3:0.6, 15.92N:97.00W, h26km, gkm, MD3.9, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like HUIG Huatulco, Vista Hermosa, WHO, etc.

KNET 04 06:27:29.7:0.1, 41.122N:76.47E, h14km, mb2.6 SOME 04 06:27:30.5, 41.22N:76.42E, h5km KNET 04 06:27:31.6:1.0, 41.30N:76.35E, h2km, 4km, ml1.8, Error ellipse: s-maj=8.0km s-min=2.5km az=120.0



4d 7h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KSH Kashi, NIL Njire, ZAAO Zalesovo Array, etc.

MAN 04 07:22:11.7, 16:26N, 120:48E, h18km, mb4.1, ML2.9, MS2.5, 1C, Luzon

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SMPF San Manuel, Pa, SMPF Bolinao, etc.

SOME 04 07:24:42.9, 42:53N, 79:60E, h10km NNC 04 07:24:42.9, 42:53N, 79:65E, h0km, mb3.0, mpv2.7, Error ellipse: s-maj=12.8km s-min=6.1km az=126.0

KRNET 04 07:24:43.0, 41.9, 42:58N, 79:58E, h16km, mb2.5 ISC 04 07:24:43.4, 1.9, 42:58N, 79:57E, h10km, 13km, n33, c074/59, 12C-5Z, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like UZB Uzunbulak, UZB Baler, UZB Dolores, etc.

2013 FEB

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MNBS JarKent, DJR Kajisay, KDJ Kotrybulak, etc.

IDC 04 07:31:58.9, 0.9, 10:52N, 141:70E, h0km, mb3.7/8, mb1 3.9/8, mb1mx3.7/41, mbtmp3.7/8, MS3.5/2, Ms1 3.5/2, ms1mx2.7/36, Error ellipse: s-maj=36.3km s-min=21.4km az=95.0

ISC 04 07:32:04.3, 0.9, 10:52N, 141:16E, 0.3, h35km, n9, c131/8, mb3.8/8, Western Caroline Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KRSR Kora Array, WRA Warrungama Array, ASAR Alice Springs, etc.

KRSC 04 07:37:24.8, 1.6, 55:39N, 163:50E, h18km, 9km, ML3.6, Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KBTR Krutoberegovo, KBG Krutoberegovo, SMKR Semkarok, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BSI Banda Aceh, LHHI Lhok Sumawe, TPTI Kotabace, etc.

KRNET 04 07:42:57.0, 1.4, 41:54N, 78:16E, h16km, mb2.2 NNC 04 07:42:57.4, 1.4, 41:83N, 78:13E, h0km, mb3.3, mpv3.1, Error ellipse: s-maj=10.8km s-min=4.8km az=177.0, Suspected Mining explosion.

ISC 04 07:42:57.4, 1.6, 41:73N, 78:14E, 0.04, h0km, n24, c1919/38, 16C-6D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TARG Taragay, Kyrgy, PRZ Przheval'sk, KDJ Kajisay, etc.

ISK 04 07:56:50.9, 34:91N, 24:05E, h6km, ML4.4/26 MOS 04 07:56:51.3, 1.2, 34:73N, 24:05E, h20km, mb4.9/46, Error ellipse: s-maj=5.4km s-min=3.1km az=76.6

ATH 04 07:56:54.5, 34:80N, 24:15E, h27km, ML4.4/13, Error ellipse: s-maj=1.7km s-min=0.8km az=188.0

BEO 04 07:56:54.2, 0.9, 34:81N, 23:47E, h0km, ML4.5/3 NEIC 04 07:56:54.5, 0.4, 34:80N, 24:15E, h27km, mb4.7/49, ML4.2/7E, ML4.4/13, (ATH), After ATH.

ISCJB 04 07:56:54.3, 0.3, 34:73N, 0:02, 24:14E, 0:02, h42km, 2km, mb4.6/101, MS3.9/6, Error ellipse: s-maj=3.6km s-min=2.3km az=23.9

IDC 04 07:56:54.4, 1.6, 34:84N, 24:13E, h27km, 9km, mb4.4/32, Ms1 4.4/44, mb1mx4.4/65, mbtmp4.5/44, ML4.3/11, MS3.8/7, MS1 3.8/7, ms1mx3.3/50, Error ellipse: s-maj=12.5km s-min=9.6km az=175.0

GII 04 07:56:56.0, 0.0, 34:55N, 24:79E, h1km, mb4.4/1, MD4.2/1 THE 04 07:56:57.0, 34:84N, 24:18E, h7km, ML4.2/7, Error ellipse: s-maj=0.9km s-min=0.6km az=239.0

NIC 04 07:56:58.5, 0.2, 34:27N, 24:66E, h25km, mb4.8, ML4.3 HLW 04 07:56:58.4, 0.3, 34:66N, 24:56E, h11km, 27km, MD4.7, ML4.6 DDA 04 07:57:20.1, 25:88N, 26:08E, h26km, 1km, ML4.3

ISC 04 07:56:54.1, 0.6, 34:75N, 0:03, 24:13E, 0:02, h28km, 3km, n649, z0505/077, mb4.7/114, MS3.9/6, 44C-13D, Crete

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GVD Gavidhos, GVD Gavidhos, GVD Gavidhos, etc.

VAM	Vamos	0.66	5	eP	Pn	07 57 07.7 +0.1	PTL	Penteli	3.30 356	ePn	Pn	07 57 45.9 +2.0	MRMT	Marmara Adasi	6.46	24	PN	Pn	07 58 29.1 +1.8
PRNS	Prines Rethymn	0.68	26	P	Sb	07 57 07.1 -0.4	PTL	Penteli	3.30 356	P	Pn	07 57 45.5 +1.6	KNT	Kendrikon	6.47 352	ePn	Pn	Pn	07 58 30.3 +2.8
PRNS	Prines Rethymn	0.68	26	P	Sb	07 57 16.4 -0.3	PTL	Penteli	3.30 356	P	Pn	07 57 45.9 +2.0	KNT	Kendrikon	6.47 352	P	Pn	Pn	07 58 30.3 +2.8
IMMV	Iera Moni Meta	0.72	350	P	Sn	07 57 07.8 -0.3	DIOT	Dionisos Attik	3.32 357	P	Pn	07 57 46.0 +1.7	KNT	Kendrikon	6.47 352	eP	Pn	Pn	07 58 30.3 +2.8
IMMV	Iera Moni Meta	0.72	350	P	Sn	07 57 18.4 -0.1	LION	Loutrakri	3.36 344	P	Pn	07 57 46.5 +1.7	BJA	Bitola	6.64 341	iPn	Pn	Pn	07 58 31.7 +1.8
IMMV	Iera Moni Meta	0.72	350	P	Sn	07 57 18.4 -0.1	AMLV	Amaloussi	3.36 344	P	Pn	07 57 46.8 +2.0	BJA	Bitola	6.64 341	eSg	Pn	Pn	07 59 44.0 +0.6
IMMV	Iera Moni Meta	0.72	350	P	Sn	07 57 08.6 +0.2	SLUM	Salum	3.38 164	P	Pn	07 57 46.3 +1.4	VAY	Valandovo	6.67 350	iPn	Pn	Pn	07 58 29.4 -0.8
IMMV	Iera Moni Meta	0.72	350	P	Sn	07 57 18.9 +0.4	SLUM	baz=170		AMP		07 58 00.0	AKMC	Akamias	6.75 85	P	Pn	Pn	07 58 29.9 -1.4
CHAN	Chania	0.77	355	P	S	07 57 10.1 +1.0	SLUM	baz=170		S	Sn	07 58 20.8 -3.3	PPCY	Paphos	6.76 87	P	Pn	Pn	07 58 30.6 -0.9
CHAN	Chania	0.77	355	P	S	07 57 20.4 +0.6	SLUM	baz=170		S	Sn	07 58 20.8 -3.3	MMB	Musomiste	6.83 357	P	Pn	Pn	07 58 36.1 +1.1
IDI	Anoyia	0.82	49	eP	Sb	07 57 20.4 +0.6	AMT	Artemida-Makis	3.40 325	P	Pn	07 57 49.1 +3.8	DOGA	KONYIA_Doganhis	6.94 59	iP	Pn	Pn	07 58 36.1 +2.0
IDI	Anoyia	0.82	49	eP	Sb	07 57 21.2 +0.1	DAT	Data	3.43 54	PN	Pn	07 57 47.1 +1.3	DOGA			IAML_P			
IDI	Anoyia	0.82	49	P	Sb	07 57 08.9 -1.0	DAT	Data	3.43 54	PN	Pn	07 57 47.2 +1.4	RZN	comp=Z_3um,0.3s	6.94	4	P	Pn	07 58 35.5 +1.4
IDI	Anoyia	0.82	49	P	Sb	07 57 21.3 +0.1	BODT	Bozburun	3.47 349	P	Pn	07 57 48.1 +1.8	ALFC	Alefka	6.97 84	P	Pn	Pn	07 58 33.6 -0.8
IDI	comp=N,43075um,0.3s			AML	AML	07 57 23.4	GUR	Goura	3.49 336	ePn	Pn	07 57 49.3 +2.7	ALFC	Alefka	6.97 84	P	Pn	Pn	07 58 33.6 -0.8
IDI	comp=N,43075um,0.3s			AML	AML	07 57 28.9	GUR	Goura	3.49 336	ePn	Pn	07 57 49.3 +2.7	KRUS	Krusevo	6.99 342	iPn	Pn	Pn	07 59 42.8 -4.5
IDI	comp=E,40579um,0.4s			AML	AML	07 57 09.3 -0.6	DATC	Data-Mugla	3.50 54	PN	Pn	07 57 48.2 +1.5	STIP	Stipje	7.10 348	iPn	Pn	Pn	07 58 36.8 +0.7
IDI	Anoyia	0.82	49	P	Sb	07 57 20.9 +0.2	BDRM	Kayabasi	3.54 48	iP	Pn	07 57 50.1 +2.8	HDMB	Hadim	7.14 70	PN	Pn	Pn	07 58 39.6 +2.8
IDI	Anoyia	0.82	49	P	Sb	07 57 21.4 +0.2	BDRM	Kayabasi	3.54 48	iP	Pn	07 57 50.1 +2.8	KKB	Krupnik	7.15 354	P	Pn	Pn	07 58 38.6 +1.8
IDI	Anoyia	0.82	49	P	Sb	07 57 09.0 -1.0	ARG	Arkhangelos	3.57 65	PN	Pn	07 57 49.7 +2.0	BORA	Eskisehir	7.18 43	iP	Pn	Pn	07 58 39.5 +2.2
IDI	comp=E,587nm,0.3s, baz=242, slow=12, SNR=676			Lg	Lg	07 57 20.4	ARG	Arkhangelos	3.57 65	ePn	Pn	07 57 50.4 +2.7	BORA	Eskisehir	7.18 43	iP	Pn	Pn	07 58 41.8 +4.5
IDI	comp=E,2um,0.3s, baz=312, slow=20, LR=37			LR	LR	07 57 48.3	ARG	Arkhangelos	3.57 65	P	Pn	07 57 50.4 +2.7	SZAC	Souni	7.21 87	P	Pn	Pn	07 58 36.4 -1.2
IDI	comp=E,3um,21.5s, baz=263, slow=71			Pb	Pb	07 57 15.3 +3.3	ARG	Arkhangelos	3.57 65	eP	Pn	07 57 50.4 +2.7	SZAC			S	Sn	07 59 53.2 -5.7	
KSTL	Kastelli Herak	0.95	54	P	Pb	07 57 11.4 -0.2	PROD	Prodromos	3.64 345	P	Pn	07 57 50.8 +2.2	PLD	Plovdiv	7.36	3	ePn	Pn	07 58 42.0 +3.3
IACM	Heraklion	0.95	54	P	Sn	07 57 11.4 -0.2	KLV	Kalavryta, Ach	3.65 335	ePn	Pn	07 57 51.1 +2.9	KONT	Konya-Tatoy	7.37	62	iP	Pn	07 58 43.1 +2.4
IACM	Heraklion	0.95	54	P	Sn	07 57 14.2 +2.2	KLV	Kalavryta, Ach	3.65 335	P	Pn	07 57 51.1 +2.9	KONT			IAML_P			
IACM	Heraklion	0.95	54	P	Sb	07 57 14.2 +2.2	KLV	Kalavryta, Ach	3.65 335	P	Pn	07 57 51.7 +2.9	TIP	Timpagrande	7.37	309	ePn	Pn	07 58 39.8 -0.1
LAST	Lasithi	1.18	69	ePn	Pb	07 57 16.8 +0.8	BBRN	Bozburun-Marma	3.73 58	PN	Pn	07 57 51.7 +1.8	TIP	Timpagrande	7.37	309	iP	Pn	07 58 39.0 -1.1
LAST	Lasithi	1.18	69	ePn	Pb	07 57 34.8 +3.9	DRO	Drossia	3.74 329	P	Pn	07 57 53.3 +3.3	TIR	Tirane	7.39	334	ePn	Pn	07 58 39.0 -1.1
LAST	Lasithi	1.18	69	P	Sb	07 57 16.8 +0.8	MRSB	Marmaris-Mugla	3.85 58	PN	Pn	07 57 53.2 +1.7	TIR	Tirane	7.39	334	eS	Pn	07 58 56.5 -6.6
LAST	Lasithi	1.18	69	P	Sb	07 57 34.8 +3.9	ALIK	Aliki, Aligali	3.86 336	P	Pn	07 57 55.1 +3.5	TIR	Tirane	7.39	334	iP	Pn	07 58 39.4 -0.7
LAST	Lasithi	1.18	69	P	Sb	07 57 33.1 +2.2	AXS	Arazos	3.87 40	PN	Pn	07 57 53.8 +1.9	TIR	Tirane	7.39	334	iP	Pn	07 58 40.8 +0.7
LAST	Lasithi	1.18	69	P	Sb	07 57 39.0	DSF	Desfina	3.87 341	ePn	Pn	07 57 53.8 +1.9	KDHN	Kadinhani	7.44 57	iP	Pn	Pn	07 58 42.5 +1.6
LAST	Lasithi	1.18	69	P	Sb	07 57 45.2	DSF	Desfina	3.87 341	P	Pn	07 57 52.7 +0.8	KDHN			IAML_P			
LAST	Lasithi	1.18	69	P	Sb	07 57 16.8 +0.8	DSF	Desfina	3.87 341	P	Pn	07 57 53.8 +1.9	CEL	Celeste	7.50	300	ePn	Pn	07 58 41.8 +0.1
LAST	Lasithi	1.18	69	P	Sb	07 57 34.8 +3.9	LAKA	Lakka	3.89 334	ePn	Pn	07 57 54.0 +1.9	CEL			eS	Pn	08 00 01.3 -4.4	
ANKY	Antikythira Is	1.30	329	ePn	Pb	07 57 19.5 +1.5	LAKA	Lakka	3.89 334	P	Pn	07 57 54.9 +2.8	HNAT	Natroun	7.50	131	P	Pn	07 58 42.3 +0.6
ANKY	Antikythira Is	1.30	329	ePn	Pb	07 57 37.6 +3.3	MLSB	Milas	3.90 48	PN	Pn	07 57 53.5 +1.3	SKO	Skopje	7.51	344	P	Pn	07 58 41.9 +0.1
ANKY	Antikythira Is	1.30	329	P	Sb	07 57 19.3 +1.3	CHOS	Chios island	3.94 23	PN	Pn	07 57 53.2 +0.3	SKO	Skopje	7.51	344	iPn	Pn	07 58 40.2 -1.5
ANKY	Antikythira Is	1.30	329	P	Sb	07 57 49.4	TRIZ	Trizonia	3.97 336	P	Pn	07 57 55.0 +1.9	SKO	Skopje	7.51	344	P	Pn	07 58 42.9 +1.1
ANKY	Antikythira Is	1.30	329	P	Sb	07 57 50.5	TRIZ	Trizonia	3.97 336	P	Pn	07 57 55.0 +1.9	SKO	Skopje	7.51	344	P	Pn	07 58 41.9 +0.1
ANKY	Antikythira Is	1.30	329	P	Sb	07 57 19.5 +1.5	TRIZ	Trizonia	3.97 336	P	Pn	07 57 55.6 +2.5	SKO	Skopje	7.51	344	P	Pn	07 58 42.9 +1.1
ANKY	Antikythira Is	1.30	329	P	Sb	07 57 19.5 +1.2	KALE	Kalitheia	3.97 337	ePn	Pn	07 57 55.1 +1.9	CSS	Mathiatis	7.57	86	ePn	Pn	07 58 38.7 -3.9
NPS	Neapolis	1.32	67	ePn	Pb	07 57 19.5 +1.2	KALE	Kalitheia	3.97 337	P	Pn	07 57 55.6 +2.2	CSS	Mathiatis	7.57	86	P	Pn	08 00 02.1 -5.3
NPS	Neapolis	1.32	67	ePn	Pb	07 57 38.1 +3.3	MRKA	Markates	3.97 354	P	Pn	07 57 54.6 +1.4	CSS	Mathiatis	7.57	86	P	Pn	07 58 38.7 -3.9
NPS	Neapolis	1.32	67	P	Sb	07 57 18.9 +0.6	MRKA	Markates	3.97 354	P	Pn	07 57 54.6 +1.4	VTS	Vitosh	7.86	355	ePn	Pn	08 00 02.1 -5.3
NPS	Neapolis	1.32	67	P	Sb	07 57 46.0	LKR	Lokris	4.00 347	ePn	Pn	07 57 53.7 +0.2	VTS	Vitosh	7.86	355	ePn	Pn	07 58 47.6 +0.9
NPS	Neapolis	1.32	67	P	Sb	07 57 46.0	LKR	Lokris	4.00 347	P	Pn	07 57 53.7 +0.2	VTS	Vitosh	7.86	355	iP	Pn	07 58 47.3 +0.6
NPS	Neapolis	1.32	67	P	Sb	07 57 46.0	SERG	Sergoula	4.02 336	P	Pn	07 57 56.3 +2.5	VTS	Vitosh	7.86	355	P	Pn	07 58 49.3 +0.6
NPS	Neapolis	1.32	67	P	Sb	07 57 46.0	ATAT	Atalanti	4.03 348	ePn	Pn	07 57 55.5 +1.5	VTS	Vitosh	7.86	355	P	Pn	07 58 49.3 +0.6
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	ATAT	Atalanti	4.03 348	P	Pn	07 57 55.5 +1.5	BAE	Banjska	8.25	348	ePn	Pn	07 58 41.3 0.0
NPS	Neapolis	1.32	67	P	Sb	07 57 38.1 +3.3	EPF	Epalio	4.08 335	P	Pn	07 57 57.3 +2.7	VARS	Valguarnera	8.32	292	PN	Pn	07 58 54.0 +1.1
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	AXS	Arazos	4.09 28	P	Pn	07 57 57.2 +2.4	VAE	comp=Z_2.9nm,0.3s, baz=139, slow=15, SNR=1.6			S	Sn	08 00 21.8 -4.2
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	AXS	Arazos	4.09 28	P	Pn	07 57 57.2 +2.4	DMTE	Matera	8.32	317	iP	Pn	07 58 49.2 -3.6
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	URLA	Izmir	4.11 28	PN	Pn	07 57 55.8 +0.7	MATE	Dracevina, Mon	8.37	334	ePn	Pn	07 58 52.2 -1.4
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	SMIA	Simia	4.18 350	P	Pn	07 57 58.0 +1.9	HFRF	Wahat Farafira	8.38	154	P	Pn	07 58 54.2 +0.4
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	AYDN	Tasoluk	4.20 45	iP	Pn	07 57 59.7 +3.4	HFRF			S	Sn	08 01 20.2 -7.4	
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	TURN	Turnuc	4.21 59	PN	Pn	07 57 54.2 -2.2	HFRF			S	Sn	08 01 20.2 -7.4	
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	TURN	Turnuc	4.21 59	P	Pn	07 57 55.5 -0.8	HFRF			S	Sn	08 01 20.2 -7.4	
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	TURN	Turnuc	4.21 59	P	Pn	07 57 55.5 -0.8	HFRF			S	Sn	08 01 20.2 -7.4	
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	TURN	Turnuc	4.21 59	P	Pn	07 57 55.5 -0.8	HFRF			S	Sn	08 01 20.2 -7.4	
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	TURN	Turnuc	4.21 59	P	Pn	07 57 55.5 -0.8	HFRF			S	Sn	08 01 20.2 -7.4	
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	TURN	Turnuc	4.21 59	P	Pn	07 57 55.5 -0.8	HFRF			S	Sn	08 01 20.2 -7.4	
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	TURN	Turnuc	4.21 59	P	Pn	07 57 55.5 -0.8	HFRF			S	Sn	08 01 20.2 -7.4	
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	TURN	Turnuc	4.21 59	P	Pn	07 57 55.5 -0.8	HFRF			S	Sn	08 01 20.2 -7.4	
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	TURN	Turnuc	4.21 59	P	Pn	07 57 55.5 -0.8	HFRF			S	Sn	08 01 20.2 -7.4	
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	TURN	Turnuc	4.21 59	P	Pn	07 57 55.5 -0.8	HFRF			S	Sn	08 01 20.2 -7.4	
NPS	Neapolis	1.32	67	P	Sb	07 57 19.5 +1.2	TURN	Turnuc	4.21 59	P	Pn	07							







Table with columns: ARCS, ARCESS Array B, FIA1, FINES, BRTR, AKASG, AK11, BUR04, NOA, VYHS, KMBO, GERES, YKA, YKBS, TXAR. Includes station names, coordinates, and various parameters.

SOME 04 08:09:09.7, 42.57'N, 79.65'E, h20km
KRNET 04 08:09:09.3, 0.1, 42.57'N, 79.67'E, h7km, mb2.9
NINC 04 08:09:09.4, 1.1, 42.59'N, 79.65'E, h0km, mb2.8, mpv3.0,

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations and their associated data points.

Table with columns: ARLS, ARCS, MK31, MK31, MK31. Includes station names and coordinates.

IDC 04 08:20:03.7, 9.0, 19.70'S, 177.91'W, h452km, 95km, mb2.8/5, mb1 3.2/5, mb1mx3.1/20, mbtmp3.6/5, Error ellipse: s-maj=103.1km s-min=26.9km az=153.0, Fiji

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like ASAR, WRA, NVAR, TXAR, ILAR, PDAR, BRTR, GERES.

IDC 04 08:23:02.1, 3.0, 1.71'S, 133.20'E, h0km, mb3.6/2, mb1 4.0/3, mb1mx3.5/32, mbtmp3.7/3, ML3.7/1, Error ellipse: s-maj=142.2km s-min=29.4km az=75.0,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like RANSIKI, FAKI, SWI, WRA, ASAR, MKAR.

DJA 04 08:23:05.6, 1.6, 2'S, 7'13'3E, h72km, 33km, M3.8/6, mb3.3/1, MLV3.7/6

IDC 04 08:23:07.1, 1.1, 1.76'S, 109.09'E, 133.02'E, 0.07, h35km, n6, #0827, Irian Jaya region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like RANSIKI, FAKI, SWI, WRA, ASAR, MKAR.

DJA 04 08:29:15.1, 2.5, 1'N, 10'12'8E, 2'5, h129km, 11km, M4.7/4, mb4.8/3, mb6.4/1, MLV4.7/4, Mw(mb)2/1

IDC 04 08:29:29.0, 1.8, 2.51'N, 125.96'E, h0km, mb3.7/4, mb1 3.9/4, mb1mx3.5/38, mbtmp3.7/4, Error ellipse: s-maj=160.4km s-min=24.3km az=65.0,

IDC 04 08:29:31.5, 1.0, 2.16'N, 108.125'E, 0.1, h10km, n8, #2637, mb3.7/4, Talaud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like SANGIHE, MRISI, KDI, WRA, MNSI, ASAR, STKA, MKAR.

ISCJB 04 08:38:02.8, 0.3, 36.41'N, 0.02, 70.66'E, 0.04, h188km, mb4.0/27, Error ellipse: s-maj=5.3km s-min=2.9km az=157.6

IDC 04 08:38:02.6, 2.8, 36.24'N, 70.78'E, h187km, 24km, mb3.5/13, mb1 3.8/19, mb1mx3.4/50, mbtmp4.1/19, Error ellipse: s-maj=19.3km s-min=13.5km az=177.0,

BUI 04 08:38:05.4, 36.53'N, 70.79'E, h213km, mb4.5/3, mb4.0/9, NEIC 04 08:38:06.0, 0.4, 36.52'N, 70.87'E, h208km, 3km, mb4.3/15, Error ellipse: s-maj=6.2km s-min=5.3km az=89.0,

NINC 04 08:38:07.1, 4.1, 37.00'N, 70.88'E, h226km, 15km, mb3.3, mpv4.5, Error ellipse: s-maj=14.3km s-min=11.3km az=62.0,

ISC 04 08:38:04.0, 0.4, 36.46'N, 0.04, 70.86'E, 0.05, h188km, n108, #185/123, mb4.1/26, #6-6D, Hindu Kush region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like KBL, GAR, CHGR, CEP, CHCP, BTK, SFI, SFK, KSH, AML, DHRM, DHRM, DHRM, MNAS, NNRN, UCH, KZA, EKS2, KK31, KK31, KK31, KKAR, AAK, AAK, AAK, AAK, AAK.

Table with columns: AAK, KBK, FRU1, CHMS, USP, TKM2, TKM2, TKM2, SMLA, SMLA, TARG, DDI, DDI, NDI, GEYT, BHJ, BHJ, BHJ, PYUN, MAK2, MK01, MK31, MK31, MKAR, MKAR, DANN, KOLN, BHPL, BHPL, WMQ, WMQ, DMN, KKN, AB31, ABKAR, PKIN, PKI, KURBB, GUN, JIRN, RAMN, BVAR, BRVK, AKTO, AKTO, NGP, TAPJUN, ODAN, POO, BOK, ZAAO, ZALV, ZALV, HYB, HYB, SHL, SHL, SHL, GOA, MDRS, LZH, LZH, LZH, LZH, LZH, TRD, SONM, BRTR, HHC, HHC, AKASG, KIEV, KIEV, CMBY, FIA1, FINES, LVZ, KEV, KEV, ARCES, AREO, NO2, NOA, TIXI, TIXI, TIXI, SPA0, TOAO, TORO, IM3, INK, CAST, ILAR, PPLA, DHY, SML, YKA, YKBS, WRA.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations and their associated data points.

WB2 Warramunga Arr 82.08 122 eP P 08 50 02.3 -1.3
WC3 Warramunga Arr 82.10 122 eP P 08 50 02.8 -0.9
ASAR Alice Springs 84.33 125 P P 08 50 14.4 -0.6

KRSC 04 08:48:25.1, 2.0, 55.47N; 153.30E, h1km, 83km, ML4.3
MOS 04 08:48:27.5, 1.1, 55.44N; 153.31E, h31km, mb4.4/1, Error ellipse: s-maj=13.8km s-min=8.3km az=130.8

Code Station Name Az Phase ID Time Res
ESO Esso 3.03 78 eP Pn 08 49 15.3 -1.1
ESO Esso 3.03 78 PN Pn 08 49 15.3 -1.1
GNL Ganaly 3.16 122 eP Pn 08 49 16.6 -1.6

IDC 04 08:48:30.8-3.2, 12.91N; 91.00W, h0km, mb3.3/4,
mb1 3.76, mb1mx3.5/44, mbmp3.6/3, ML2.2, MS3.5/2,
Ms1 3.5/2, ms1mx2.8/24, Error ellipse: s-maj=49.7km

Code Station Name Az Phase ID Time Res
IDC 04 08:48:36.1-2.0, 13.1N; 0.1-91.0W, h133km, n8, s1859/9,
mb3.4/3, Near coast of Guatemala
APG El Apazote 2.00 14 Pn 08 49 07.2 -0.6

ISCJB 04 08:50:49.5-0.9, 7.54S; 0.07x129.19E-0.08, h131km,
mb3.1/1, Error ellipse: s-maj=10.8km s-min=9.5km
az=166.1

Code Station Name Az Phase ID Time Res
BATI Baumata 6.14 244 P Pn 08 52 19.6 +1.3
BATI 5.9nm, 0.3s, baz=68, slow=11, SNR=4.7
S
S

GUC 04 09:03:16.4-0.7, 36.17S; 72.69W, h16km, 4km, ML4.1
ISC 04 09:03:11.0-3.1, 36.24S; 0.09x73.1W-0.2, h10km, n16,
e203/24, 1C, Near coast of central Chile

Code Station Name Az Phase ID Time Res
CCHI Chillan 0.88 114 Op ISC h m s ISC
CCHI 09 03 28.4 +0.4
CCHI 09 03 36.5 +3.0

ROCI EI Roble 3.67 28 iP Pn 09 04 08.7 +0.6
ROCI 0.4nm, 0.3s, baz=281, slow=14, SNR=21
ROCH EI Roble 3.68 28 iP Pn 09 04 08.8 +0.6

ISCJB 04 09:03:33.8-0.6, 22.55S; 0.04-68.1W; 0.1, h168km, 9km,
mb3.9/3, Error ellipse: s-maj=16.7km s-min=6.3km az=9.8

IDC 04 09:03:33.6-0.9, 22.50S; 67.79W, h137km, 20km, mb3.7/3,
mb1 3.6/6, mb1mx3.4/27, mbmp2.4/6, Error ellipse:
s-maj=38.0km s-min=17.8km az=103.0

GUC 04 09:03:35.4-0.6, 22.52S; 68.26W, h164km, 5km, ML3.6
ISC 04 09:03:33.8-1.0, 22.56S; 0.05-68.0W, h155km, 12km,
n20, e1907/35, mb3.9/3, 9C-1D, Chile-Bolivia border region

Code Station Name Az Phase ID Time Res
LVC Limon Verde 0.87 267 P ISC h m s ISC
91nm, 0.3s, baz=83, slow=5.5, SNR=844
LVC 60nm, 0.3s, baz=114, slow=20, SNR=91
LVC 0.2nm, 0.3s, baz=214, slow=26, SNR=58

IDC 04 09:12:44.8-1.5, 37.49N; 134.92E, h0km, mb3.4/3,
mb1 3.8/4, mb1mx3.4/46, mbmp3.6/4, ML3.2, Error
ellipse: s-maj=36.5km s-min=23.7km az=115.0

JMA 04 09:12:59.2-0.1, 35.98N; 140.99E, h42km, 1km, M3.3
JMA Feit I J1
ISC 04 09:12:55.8-1.6, 36.02N; 0.04-141.16E; 0.06, h15km, 10km,
n16, e098/24, mb3.5/3, Near east coast of eastern Honshu

Code Station Name Az Phase ID Time Res
CHOJ Chosi 0.40 218 Op ISC h m s ISC
CHOJ 09 13 13.3 -0.9
JIHU Itakohorinouch 0.52 264 P Pn 09 13 09.3 +0.3

NNC 04 09:16:48.0-1.6, 50.71N; 73.59E, h0km, mb3.2, mpv2.9,
Error ellipse: s-maj=18.2km s-min=15.0km az=31.0,
Suspected Mining explosion.
ISCJB 04 09:16:49.6-1.0, 51.1N; 0.1x74.0E; 0.10, h0km, Error
ellipse: s-maj=17.7km s-min=7.6km az=15.4

IDC 04 09:16:49.8-1.4, 50.95N; 73.79E, h0km, mb1 2.7/4,
mb1mx2.6/44, mbmp2.7/4, ML2.4/3, Error ellipse:
s-maj=32.7km s-min=9.4km az=32.0

ISC 04 09:16:51.5-1.7, 51.11N; 0.1x74.0E; 0.1, h0km, n14,
e1935/10, 6C-6D, Central Kazakhstan
Code Station Name Az Phase ID Time Res
KUR05 Kurchatov Arra 2.91 97 iLg Lg 09 18 24.7

KURBB Kurchatov Arra 2.91 98 Pn 09 17 38.8 -0.2
KURBB 0.4nm, 0.3s, baz=281, slow=14, SNR=21
KURBB 0.3nm, 0.3s, baz=278, slow=3, SNR=12
BVA0 Borovoye Arra 2.94 312 Pn 09 17 38.9 -0.6

NIED 04 09:18:00.40, 40N; 142.30E, h44km, Mw4.1, Best double
couple: Mb1.4100x105, 1.111x105, 1.00000, 317.00000,
1.65.00000, NPD:26.00000, 875.00000,
ISCJB 04 09:18:42.7-0.7, 40.38N; 0.03-142.26E; 0.08, h57km, 4km,
mb4.0/19, MS4.2/1, Error ellipse: s-maj=9.6km
s-min=5.7km az=7.7

JMA 04 09:18:43.4-0.1, 40.38N; 142.29E, h40km, 1km, M4.1
JMA Feit I J1
IDC 04 09:18:45.8-1.8, 40.31N; 142.17E, h74km, 15km, mb3.7/3,
mb1 3.8/25, mb1mx3.7/45, mbmp4.0/25, MS3.1/7,
Ms1 3.1/7, ms1mx3.0/54, Error ellipse: s-maj=17.0km
s-min=10.9km az=116.0

Code Station Name Az Phase ID Time Res
KJEN Kujedjanarisaw 0.39 248 P Pn 09 18 53.7 -0.6
JTK Tanohata 0.48 211 eS Pn 09 19 01.0 -0.7
JTK 0.5nm, 0.3s, baz=68, slow=13, SNR=72
JANG Nango 5.51 272 P Pn 09 18 54.4 -0.6

ISC 04 09:18:44.1-1.0, 40.38N; 0.04-142.19E; 0.07, h53km, 8km,
n51, e1931/54, mb4.2/25, Near east coast of eastern Honshu

Code Station Name Az Phase ID Time Res
H1N1 WAKE ISLAND Hy 29.49 127 T T 09 56 06.3
H1N2 WAKE ISLAND Hy 29.52 127 T T 09 56 06.8
H1N3 WAKE ISLAND Hy 29.51 127 T T 09 56 10.3

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Rattle, Elevation Rattle, Azimuth Buzz, Elevation Buzz, Azimuth Hum, Elevation Hum, Azimuth Whistle, Elevation Whistle, Azimuth Scream, Elevation Scream, Azimuth Roar, Elevation Roar, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Scream, Elevation Scream, Azimuth Roar, Elevation Roar, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell.

IDC 04 09:33:14.6:0.5,0.59N:126.21E,h0km,mb4.4/18, mb1.4/20,mb1fmx4.3/33,mtbtp4.3/20,ML3.6/2,MS3.2/2,MS1.3/2,ms1fmx2.8/47,Error ellipse: s-maj=27.0km s-min=10.3km az=75.0

NEIC 04 09:33:16.4:0.2,0.63N:126.21E,h10km,mb4.7/27,Error ellipse: s-maj=7.5km s-min=4.4km az=65.0

DJA 04 09:33:18.8:0.8,1.1N:4.12E,h16km,10km,M4.5/15,mb4.6/8,mb6.5/1,MLV4.5/15,Mw(m)5.1/1

ISC/JB 04 09:33:19.6:0.2,0.60N:0.03E:126.31E:0.03,h47km,mb4.5/50,MS3.6/2,Error ellipse: s-maj=5.1km s-min=4.1km az=148.4

ISC 04 09:33:21.6:0.4,0.66N:0.05E:126.39E:0.05,h47km,n121,r=153/119,mb4.5/50,2C,Northern Molucca Sea

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Rattle, Elevation Rattle, Azimuth Buzz, Elevation Buzz, Azimuth Hum, Elevation Hum, Azimuth Whistle, Elevation Whistle, Azimuth Scream, Elevation Scream, Azimuth Roar, Elevation Roar, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell.

Table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Rattle, Elevation Rattle, Azimuth Buzz, Elevation Buzz, Azimuth Hum, Elevation Hum, Azimuth Whistle, Elevation Whistle, Azimuth Scream, Elevation Scream, Azimuth Roar, Elevation Roar, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell.

ISC/JB 04 09:35:34.4:0.3,24.44N:0.01E:122.02E:0.01,h5km,2km, Error ellipse: s-maj=2.2km s-min=2.0km az=146.5 JMA 04 09:35:34.0:0.1,24.41N:121.99E,h0km,ML3.7 TAP 04 09:35:35.1:24.45N:121.97E,h13km,ML3.8,B ISC 04 09:35:34.9:0.8,24.44N:0.02E:122.01E:0.02,h13km,5km, n109,r=065/163,16C-21D,Taiwan region

Main station list table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Rattle, Elevation Rattle, Azimuth Buzz, Elevation Buzz, Azimuth Hum, Elevation Hum, Azimuth Whistle, Elevation Whistle, Azimuth Scream, Elevation Scream, Azimuth Roar, Elevation Roar, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell.

Main station list table with columns: ID, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Rattle, Elevation Rattle, Azimuth Buzz, Elevation Buzz, Azimuth Hum, Elevation Hum, Azimuth Whistle, Elevation Whistle, Azimuth Scream, Elevation Scream, Azimuth Roar, Elevation Roar, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell.

Table with columns: CHNS, CHNS, WDLH, ELDTW, IRIF, RLNB, CHN2, HATJ, HATJ, CHN4, CHN4, TPUB, STYT, CHY, WTP, WTP, TWG, TWGB, JKRS, JKRS, SNST, CHN1, SLGT, JIJ, ECL, JISG, JISG, SSD, MASBT, MASBT, PTTC, EAST, VWUC, PHUB, SCZT, LAY, WDG, JTJ, JTJ, MATB, VCHM, PTMZ, JIRB, LYJJ, XPSS, MHZQ, KNMB, AXDP, ZPLA. Includes station names, coordinates, and various codes.

GUC 04 09:40:04.7-0.7, 21°43'S-67°33'W, h250km, gkm, ML3.5, Chile-Bolivia border region

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like IPOC Station P, PB09, PB01, PB01, PB01, PB08, PB08, PB03, PB03, PB03, PB02, PB02, PB07, PB07, PB06, PB06, PB15, PB15, PB11, PB11, PB04, PB04, PB04, MNMC, MNMC.

IDC 04 09:48:00.5-1.9, 0.67N, 126°27'E, h0km, mb3.2/3, mb1 3.5/3, mb1mx3.2/46, mbtmp3.3/3, Error ellipse: s-maj=169.3km s-min=24.9km az=65.0, Northern Molucca Sea

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like WRA, ASAR, MKAR.

TAP 04 10:02:25.5, 23°47'N, 120°91'E, h5km, ML2.3, 10C-5D, C, Taiwan

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like ALS, ALS, WHYT, WHYT, WHYT, CHNS, ELDTW, TPUB, TPUB, TPUB, SSSL, CHN4.

Main table with columns: TPUB, CHN4, SSSL, SSSL, STYT, WTP, WVDW, YULB, YULB, EHY, EHY, WGG, WJS, WJS, CHN2, WDLH, SMLT, SMLT, TYC, CHY, CHY, CHN1, SNST, SNST, WNT, WNT, HGSD, EGFH, EGFH, OWD, WLBG, WLBG, ESL, ESL, CHGB, CHN8, CHN8, TWG, TWG, TWGB, TWGB, WHF, WHF, WSD, WSD, WHP, TDCB, TDCB, TWT, TWT, TWD, TWD, MASBT, MASBT, TWQ1, TWQ1, NACB, NACB, NACB, NSY, NSY, NNSB, NNSB, EAST, EAST, EAST, NNST, NNST, NNST, WDG, WDG, LIOB, LIOB, PHUB, PHUB, NDT, NDT, YHNB, YHNB, TIPB, TIPB.

TAP 04 10:02:30.1, 23°47'N, 120°92'E, h5km, ML2.3, C, Taiwan

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like ALS, ALS, WHYT, WHYT, CHNS, ELDTW, TPUB, TPUB, TPUB, SSSL, CHN4.

Table with columns: CHN4, STYT, STYT, VWDW, VWDW, WTP, WTP, YULB, YULB, TWFW, TWFW, TWFW, TWG, TWG.

KRNET 04 10:05:28.6±0.1, 42°55'N, 79°65'E, h10km, mb3.5
SOME 04 10:05:29.2, 42°57'N, 79°57'E, h20km
NIC 04 10:05:29.1±1.0, 42°58'N, 79°58'E, h0km, mb3.8, mpv3.5,
Error ellipse: s-maj=6.4km s-min=3.5km az=137.0
ISCJB 04 10:05:30.2±0.6, 42°56'N, 0°03'-79°66'E, h0.04, h10km, Error ellipse: s-maj=5.6km s-min=2.9km az=141.5
ISC 04 10:05:29.1±1.0, 42°52'N, 0°04'-79°61'E, h10km, n77, ±166°/140, 34C-25D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Δ°, AZZ, Phase ID, Time, Res. Includes stations like UZB, UZB, UZB, UZB, UZB, PDGK, PDGK, PDGK, PDGK, PDGK, PRZ, PRZ, SATY, SATY, SATY, SATY, KTMS, KTMS, KTMS, KTMS, KTMS, KURS, KURS, KURS, KURS, MNBS, MNBS, MNBS, MNBS, DJR, DJR, DJR, KDJ, KDJ, KDJ, KOTS, KOTS, KOTS, KOTS, MDOK, MDOK, MDOK, MDOK, MDOK, MDOK, MDOK, MDOK, MDOK, MDOK, ARXS, ARXS.



Table with columns: KURS, Kuram, 1.37 310 eP, Pb, 10 39 39.7 -0.3, etc.

IDC 04 10:58:57.8:0.8,34:12N:0.04:140:86E:0.08,h40km, mb3.4/3, Error ellipse: s-maj=9.4km s-min=6.2km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

ISCJB 04 10:58:57.8:0.8,34:12N:0.04:140:86E:0.08,h40km, mb3.4/3, Error ellipse: s-maj=9.4km s-min=6.2km

JMA 04 10:58:58.2:0.3,34:16N:140:86E,h42km,mb2.9 IDC 04 10:59:01.1:4.1,34:07N:140:68E,h52km,32km,mb3.1/3, mb1 3.4/4, mb1mx3.1/45, mbtmp3.3/4, ML2.4/1, MS2.6/2, Ms1 2.6/2, ms1mx2.4/17, Error ellipse: s-maj=47.8km s-min=8.5km az=85.0

ISC 04 10:58:58.9:1.3,34:11N:0.05:140:87E:0.09,h40km,n18, c093/20,mb3.5/3,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 04 11:05:31.0:3.6,10:33S:165:07E,h0km,mb3.8/3, mb1 4.1/3, mb1mx3.6/34, mbtmp3.9/3, MS3.1/2, Ms1 3.1/2, ms1mx2.8/32, Error ellipse: s-maj=185.3km s-min=31.1km az=138.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

DRS 04 11:05:37.4:0.0,42:82N:47:77E,h2km ISCJB 04 11:05:41.8:0.7,42:98N:0.04:47:84E:0.04,h7km,4km, Error ellipse: s-maj=6.4km s-min=4.0km az=23.7

MOS 04 11:05:41.9:1.4,42:95N:47:84E,h11km,mb3.7/1, Error ellipse: s-maj=10.5km s-min=7.2km az=178.0

MOS 04 11:05:42.8:0.0,42:84N:47:71E,h12km,MPV43.5 NORS 04 11:05:43.1:0.0,42:84N:47:71E,h10km,MPV43.7

ISC 04 11:05:43.6:1.1,42:86N:0.04:47:76E:0.04,h13km,7km, n39,c086/62,10C-2D,Eastern Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: GNBR, Gunib, 0.75 231 iPG, Pg, 11 05 57.7 -0.5, etc.

GNBR comp=Z,91nm,0.6s smax smax

GNBR Gunib 0.75 231 ePG Pg 11 05 57.7 -0.5

GNBR Khunzakh 0.84 248 ePG Pg 11 06 09.3 +0.5

GNBR Kumukh 0.88 214 ePG Pg 11 06 14.0 -0.5

GNBR Kumukh 0.88 214 ePG Pg 11 06 14.0 +0.2

GNBR Derbent 0.93 153 ePG Pg 11 06 13.3 +0.8

GNBR Derbent 0.93 153 ePG Pg 11 06 13.3 +0.8

GNBR Botlikh 1.15 261 ePG Pg 11 06 05.9 +0.2

GNBR Botlikh 1.15 261 ePG Pg 11 06 05.9 +0.2

GNBR Vedeno 1.20 275 ePG Pg 11 06 08.7 +0.3

GNBR Vedeno 1.20 275 ePG Pg 11 06 07.1 +0.3

GNBR Lac 2.55 270 ePG Pg 11 06 23.7 +1.3

GNBR Lac 2.55 270 ePG Pg 11 06 23.7 +1.3

GNBR Tsey 2.84 270 ePG Pg 11 06 34.5 +0.3

GNBR Nalchik 3.11 283 ePG Pg 11 06 31.4 -1.0

GNBR Nalchik 3.11 283 ePG Pg 11 06 30.2 +2.6

GNBR Pyatigorsk 3.60 291 ePG Pg 11 06 39.2 +0.1

GNBR Pyatigorsk 3.60 291 ePG Pg 11 06 39.2 +0.1

GNBR Shidzhatmaz 3.83 285 ePG Pg 11 07 21.5 0.0

GNBR Shidzhatmaz 3.83 285 ePG Pg 11 06 43.7 +0.3

GNBR Shidzhatmaz 3.83 285 ePG Pg 11 06 43.1 +0.7

GNBR Kislovodsk 3.85 288 ePG Pg 11 06 43.9 +0.2

GNBR Kislovodsk 3.85 288 ePG Pg 11 06 43.9 +0.2

GNBR Gofitskoye 4.05 304 ePG Pg 11 06 28.1 +0.2

GNBR Gofitskoye 4.05 304 ePG Pg 11 06 28.1 +0.2

GNBR Dombai 4.51 278 ePG Pg 11 06 51.9 +0.1

GNBR Dombai 4.51 278 ePG Pg 11 06 51.9 +0.1

GNBR Kiev 14.90 308 ePG Pg 11 09 17.9 -0.5

GNBR Kiev 14.90 308 ePG Pg 11 09 17.9 -0.5

GNBR Ala-Archa 19.61 82 ePG Pg 11 10 11.3 -0.5

GNBR Ala-Archa 19.61 82 ePG Pg 11 10 11.3 -0.5

GNBR Jazator, Alta 28.00 62 ePG Pg 11 11 32.1 -2.1

GNBR Jazator, Alta 28.00 62 ePG Pg 11 11 32.1 -2.1

MEX 04 11:09:53.0:3.0,16:25N:95:93W,h19km,103km,MD3.9, Oaxaca

HUIG Huatulco 0.51 199 ePG Pg 11 10 01.8 -1.8

HUIG Huatulco 0.51 199 ePG Pg 11 10 01.8 -1.8

VHO Vista Hermosa 1.12 317 ePG Pg 11 10 10.6 -3.6

VHO Vista Hermosa 1.12 317 ePG Pg 11 10 10.6 -3.6

CMIG Matias Romero 1.31 50 ePG Pg 11 10 24.5 -4.0

CMIG Matias Romero 1.31 50 ePG Pg 11 10 24.5 -4.0

PCIG 2.67 101 ePG Pg 11 10 28.8 -4.7

PCIG 2.67 101 ePG Pg 11 10 28.8 -4.7

CCIG Comitan 3.65 89 ePG Pg 11 10 03.9 -3.4

CCIG Comitan 3.65 89 ePG Pg 11 10 03.9 -3.4

DDA 04 11:12:53.8:38:62N:43:13E,h7km,3km,ML2.9

ISK 04 11:12:53.3:38:63N:43:14E,h5km,ML2.1/6

ISCJB 04 11:12:54.5:0.5,38:60N:0.03:43:14E:0.04,h10km,6km, Error ellipse: s-maj=5.6km s-min=5.2km az=34.8

ISC 04 11:12:54.2:1.0,38:62N:0.03:43:13E:0.04,h10km,10km, n12,c073/18,Turkey

YANB Van 0.20 97 ePG Pg 11 13 02.5 +1.0

YANB Van 0.20 97 ePG Pg 11 13 02.5 +1.0

TVAN Van 0.23 112 iPG Pg 11 12 58.7 -0.4

TVAN Van 0.23 112 iPG Pg 11 12 58.7 -0.4

GEVA Gevas 0.31 190 iPG Pg 11 13 03.2 +0.7

GEVA Gevas 0.31 190 iPG Pg 11 13 03.2 +0.7

AKDM Akdamar-Van 0.31 202 PG Pg 11 13 00.2 -0.3

AKDM Akdamar-Van 0.31 202 PG Pg 11 13 00.2 -0.3

ADCV BITLIS\_Adilcev 0.37 301 iPG Pg 11 13 02.0 -0.9

ADCV BITLIS\_Adilcev 0.37 301 iPG Pg 11 13 02.0 -0.9

ADCV Van-Muradiye 0.51 43 iPG Pg 11 13 09.3 +0.4

ADCV Van-Muradiye 0.51 43 iPG Pg 11 13 09.3 +0.4

VMUR Tutak 0.82 343 iPG Pg 11 13 12.1 -0.6

VMUR Tutak 0.82 343 iPG Pg 11 13 12.1 -0.6

GURC Guroymak-BITLI 0.85 266 PG Pg 11 13 09.7 -0.3

GURC Guroymak-BITLI 0.85 266 PG Pg 11 13 09.7 -0.3

AGRBR Hanur-Agry 0.96 354 PG Pg 11 13 12.1 -0.6

AGRBR Hanur-Agry 0.96 354 PG Pg 11 13 12.1 -0.6

SIRT Sirnak 1.24 206 PG Pg 11 13 17.7 +0.1

SIRT Sirnak 1.24 206 PG Pg 11 13 17.7 +0.1

EATA Eleskirt 1.34 338 iPG Pg 11 13 19.5 0.0

EATA Eleskirt 1.34 338 iPG Pg 11 13 19.5 0.0

EATA 1.42 164 PN Pb 11 13 20.4 -0.4

EATA 1.42 164 PN Pb 11 13 20.4 -0.4

ISK 04 11:14:59.2:38:65N:43:17E,h18km,ML2.2/4

DDA 04 11:15:00.8:38:66N:43:20E,h7km,3km,ML2.9

ISCJB 04 11:15:01.2:0.5,38:60N:0.04:43:16E:0.04,h13km,5km, Error ellipse: s-maj=6.1km s-min=5.2km az=170.1

ISC 04 11:15:00.7:1.0,38:64N:0.03:43:18E:0.04,h14km,10km, n11,c099/17,Turkey

YANB Van 0.17 104 PG Pg 11 15 04.9 -0.8

YANB Van 0.17 104 PG Pg 11 15 04.9 -0.8

TVAN Van 0.21 121 iPG Pg 11 15 09.1 +1.4

TVAN Van 0.21 121 iPG Pg 11 15 09.1 +1.4

GEVA Gevas 0.31 190 iPG Pg 11 15 09.5 +0.7

GEVA Gevas 0.31 190 iPG Pg 11 15 09.5 +0.7

AKDM Akdamar-Van 0.35 207 PG Pg 11 15 06.9 -0.9

AKDM Akdamar-Van 0.35 207 PG Pg 11 15 06.9 -0.9

ADCV BITLIS\_Adilcev 0.39 296 iPG Pg 11 15 15.9 +0.4

ADCV BITLIS\_Adilcev 0.39 296 iPG Pg 11 15 15.9 +0.4

ADCV 0.47 41 iPG Pg 11 15 10.3 -0.4

ADCV 0.47 41 iPG Pg 11 15 10.3 -0.4

VMUR Tutak 0.81 340 iPG Pg 11 15 16.6 -0.2

VMUR Tutak 0.81 340 iPG Pg 11 15 16.6 -0.2

TUTA Tutak 0.81 340 iPG Pg 11 15 16.6 -0.2

TUTA Tutak 0.81 340 iPG Pg 11 15 16.6 -0.2

BASK Baskale\_VAN 0.87 132 ePG Pg 11 15 17.3 -0.4

BASK Baskale\_VAN 0.87 132 ePG Pg 11 15 17.3 -0.4

GURC Guroymak-BITLI 0.90 265 PG Pg 11 15 16.9 -1.3

GURC Guroymak-BITLI 0.90 265 PG Pg 11 15 16.9 -1.3

SRRT Siirt\_Merkez 1.18 237 iPG Pg 11 15 24.4 +1.0

SRRT Siirt\_Merkez 1.18 237 iPG Pg 11 15 24.4 +1.0

EATA Eleskirt 1.33 337 iPG Pg 11 15 25.8 -0.6

EATA Eleskirt 1.33 337 iPG Pg 11 15 25.8 -0.6

EATA 1.42 164 PN Pb 11 15 20.4 -0.4

EATA 1.42 164 PN Pb 11 15 20.4 -0.4

KRNAT 04 11:29:58.8:0.1,40:52N:77:18E,h20km,mb2.1

SOME 04 11:30:01.4:40:48N:77:10E,h10km

NINC 04 11:30:01.5:1.6,40:56N:77:05E,h0km,mb3.0,mpv2.6, Error ellipse: s-maj=16.2km s-min=7.1km az=131.0

ISC 04 11:29:59.9:1.9,40:33N:0.07:77:06E:0.05,h27km,17km,

n23,c1847/39,19C-2D,Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

ISCJB 04 11:41:49.4:0.5,33:98S:0.07:14:58W:0.09,h10km, mb4.6/17,MS4.3/4, Error ellipse: s-maj=10.5km s-min=10.3km az=1.9

IDC 04 11:41:50.2:1.4,33:93S:14:61W,h0km,mb4.2/7, mb1 4.2/7, mb1mx4.0/28, mbtmp4.2/7, MS4.2/4, Ms1 4.3/4, ms1mx3.9/20, Error ellipse: s-maj=47.9km s-min=19.8km az=174.0

NEIC 04 11:41:51.2:0.3,33:93S:14:58W,h10km,mb4.8/10, Error ellipse: s-maj=8.4km s-min=7.8km az=220.0

GCMT 04 11:41:55.2:0.3,34:14S:0.02:14:36W:0.02,h18km,1km, MW5.0/79, Moment Tensor Solution. s20,c21; s79,c105; Duration: 0 Moment tensor: Scale 10^19Nm; Mr0.07±.18; Mw1.84±.19; Mw3.17±.16; Mw0.65±.05; Mw3.30±.17; Mw0.43±.35; Best double couple: M3.84300x10^16 Np1.76:0.00000;-0.886:0.00000;1.1:0.00000-NP2; q345:0.00000;-0.879:0.00000;-1.176:0.00000-Principal axes: P:3.9590,Plg11.00000-Azm301.00000-NV:0.0370,Plg78.00000-Azm85.00000-P:-3.8270,Plg5.00000-Azm210.00000-nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, body=50s. Triangular moment-rate function

ISC 04 11:41:51.2:0.6,33:95S:0.09:14:6W:0.1,h10km,n41, c089/29,mb4.7/17,MS4.2/4,Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

ISCJB 04 11:41:49.4:0.5,33:98S:0.07:14:58W:0.09,h10km, mb4.6/17,MS4.3/4, Error ellipse: s-maj=10.5km s-min=10.3km az=1.9

IDC 04 11:41:50.2:1.4,33:93S:14:61W,h0km,mb4.2/7, mb1 4.2/7, mb1mx4.0/28, mbtmp4.2/7, MS4.2/4, Ms1 4.3/4, ms1mx3.9/20, Error ellipse: s-maj=47.9km s-min=19.8km az=174.0

NEIC 04 11:41:51.2:0.3,33:93S:14:58W,h10km,mb4.8/10, Error ellipse: s-maj=8.4km s-min=7.8km az=220.0

GCMT 04 11:41:55.2:0.3,34:14S:0.02:14:36W:0.02,h18km,1km, MW5.0/79, Moment Tensor Solution. s20,c21; s79,c105; Duration: 0 Moment tensor: Scale 10^19Nm; Mr0.07±.18; Mw1.84±.19; Mw3.17±.16; Mw0.65±.05; Mw3.30±.17; Mw0.43±.35; Best double couple: M3.84300x10^16 Np1.76:0.00000;-0.886:0.00000;1.1:0.00000-NP2; q345:0.00000;-0.879:0.00000;-1.176:0.00000-Principal axes: P:3.9590,Plg11.00000-Azm301.00000-NV:0.0370,Plg78.00000-Azm85.00000-P:-3.8270,Plg5.00000-Azm210.00000-nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, body=50s. Triangular moment-rate function

ISC 04 11:41:51.2:0.6,33:95S:0.09:14:6W:0.1,h10km,n41, c089/29,mb4.7/17,MS4.2/4,Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.





<b>235</b>	CPKPS	Kokpek	16.40 315dEP	Pn	12 08 43.9 -1.2
	CPKPS	comp=Z,125nm,0.9s		Pmax	
	CPKPS	Kokpek	16.40 315jEP	Pn	12 08 43.9 -1.2
	CPKPS	comp=Z,125nm,0.9s		Pmax	
	KSH	Kashi	16.46 299 P	P	12 08 48.9 +0.2
	KSH			pP	12 08 56.7 +1.9
	KSH			PP	12 09 03.3 +0.0
	KSH			S	12 11 49.1 +0.3
	KSH			sS	12 12 05.1 -2.5
	KSH			SS	12 12 14.0 +1.2
	KSH	comp=Z,37nm,1.1s		Pmax	
	KSH	comp=Z,800nm,4.7s		Pmax	
	KSH	comp=Z,480nm,5.3s		LR	LR
	KSH			LR	LR
	NONG	Nongkai	16.59 151 P	P	12 08 50.0 -0.1
	NONG	comp=Z,0.3nm,0.8s		Pmax	
	KDJ	Kajisay	16.65 309 ePn	Pn	12 08 48.1 -0.2
	KDJ	comp=Z,66nm,0.9s		Pmax	
	KDJ	Kajisay	16.65 309 eP	Pmax	12 08 48.1 -0.2
	KDJ	comp=Z,66nm,0.9s		Pmax	
	MK01	Makanchi Array	16.80 329 ePn	Pn	12 08 49.2 -0.9
	MK31	Makanchi Array	16.82 329 ePn	Pn	12 08 49.8 -0.6
	MK31	Makanchi Array	16.82 329 eP	Pn	12 08 48.7 -1.6
	MK31	comp=Z,23nm,1.0s		Pmax	
	MK32	Makanchi Array	16.82 329 ePn	Pn	12 08 49.8 -0.6
	MKAR	Makanchi Array	16.82 329 ePn	Pn	12 08 49.8 -0.6
	MKAR	comp=Z,23nm,1.1s		Pmax	
	MKAR	Makanchi Array	16.82 329 Pn	Pn	12 08 49.8 -0.6
	MKAR	comp=Z,0.8nm,0.3s,baz=133,slow=12,SNR=42		LR	LR
	MKAR	comp=Z,355nm,18.4s,baz=136,slow=36		LR	LR
	WHN	Wuhan	16.93 93 jP	P	12 08 48.7 -3.0
	WHN	comp=Z,11um,1.1s		LR	LR
	WHN	comp=Z,6um,13.0s		LR	LR
	WHN	comp=Z,4um,11.1s		LR	LR
	WHN	comp=Z,2um,20.8s		LR	LR
	MAK2	Makanchi	16.97 329 ePn	P	12 08 52.1 -2.0
	MAK2	comp=Z,29nm,1.1s		Pmax	
	MAK2	Makanchi	16.97 329 eP	Pmax	12 08 52.1 -2.0
	MAK2	comp=Z,29nm,1.1s		Pmax	
	UMPA	Umpang Tal	17.01 166 P	P	12 08 57.3 +2.6
	UMPA	comp=Z,8.6nm,1.1s,comp=Z,1um		Pmax	
	NRN	Naryn	17.13 305 ePn	P	12 08 55.6 -0.7
	NRN	comp=Z,47nm,1.0s		Pmax	
	NRN	Naryn	17.13 305 eP	Pmax	12 08 55.6 -0.7
	NRN	comp=Z,47nm,1.0s		Pmax	
	MDOK	Medeo	17.24 312dEP	Pmax	12 08 58.7 +1.4
	MDOK	comp=Z,632nm,1.3s		Pmax	
	MDOK	Medeo	17.24 312jEP	P	12 08 58.8 +1.4
	MDOK	comp=Z,632nm,1.3s		Pmax	
	ULHL	Ulahol	17.32 308 P	P	12 09 02.5 +4.3
	ULHL	SNR=7.0		Pmax	
	AAA	Alma-Ata	17.35 312dEP	Pmax	12 09 01.0 +2.7
	AAA	comp=Z,893nm,1.1s		MLR	MLR
	AAA	comp=Z,893nm,1.1s		MLR	MLR
	AAA	comp=Z,135nm,12.0s		Pmax	
	AAA	Alma-Ata	17.35 312jEP	P	12 09 01.1 +2.7
	AAA	comp=Z,893nm,1.1s		eLR	MLR
	AAA	comp=Z,135nm,11.6s		MLR	MLR
	SONA0	Songino Array	17.41 27 ePn	Pn	12 08 56.4 -1.3
	SONM	Songino Array	17.41 27 P	P	12 08 56.4 -1.3
	SONM	comp=Z,0.5nm,0.3s,baz=211,slow=14,SNR=18		LR	LR
	SONM	comp=Z,281nm,18.6s,baz=204,slow=39		LR	LR
	SONA1	Songino Array	17.42 27 ePn	Pn	12 08 56.7 -1.3
	TDK	Taldyqorghan	17.48 319jEP	Pmax	12 08 57.6 -1.0
	TDK	comp=Z,536nm,1.2s		Pmax	
	TDK	Taldyqorghan	17.48 319jEP	Pn	12 08 57.7 -1.0
	TDK	comp=Z,536nm,1.2s		Pmax	
	CHHK	Chushkaly	17.64 314jEP	Pmax	12 09 00.7 -0.9
	CHHK	comp=Z,36nm,0.9s		Pmax	
	CHHK	Chushkaly	17.64 314jEP	P	12 09 00.7 -0.9
	CHHK	comp=Z,36nm,0.9s		Pmax	
	DGZ	Jazzator, Alta	17.67 344jEP	Pmax	12 09 01.8 -0.2
	DGZ	comp=Z,22nm,1.3s		Pmax	
	ULN	Ulaanbaatar	17.69 28 ePn	Pn	12 08 59.9 -1.5
	ULN	comp=Z,22nm,1.3s		Pmax	
	ULN	Ulaanbaatar	17.69 28jEP	Pmax	12 09 00.1 -2.1
	ULN	comp=Z,22nm,1.3s		Pmax	
	KNGR	Kungurtug, Tuvs	17.86 6jEP	P	12 08 02.5 -1.6
	CHCP	Chirak Chowk	17.91 27 P	Pn	12 09 08.2 +3.2
	KZA	Kyzart	17.91 306 P	P	12 09 08.2 +3.2
	KZA	SNR=28		P	12 09 03.8 -0.9
	NIL	Nilore	17.91 278 ePn	P	12 09 03.8 -0.9
	NIL	comp=Z,40nm,0.8s		Pmax	
	NIL	Nilore	17.91 278 eP	Pmax	12 09 03.8 -0.9
	NIL	comp=Z,40nm,0.8s		Pmax	
	SKNT	Sakolnakorn	17.92 150 P	P	12 09 06.9 +2.1
	BHPL	Bhopal	17.95 242 IAMB	IAMB	12 09 02.8
	BHPL	comp=Z,21nm,0.8s		Pmax	
	BHPL	Tokmak 2	18.05 309 P	Pn	12 09 04.0 -0.5
	TKM2	Tokmak 2	18.05 309 P	P	12 09 10.0 +3.7
	TKM2	SNR=22		Pmax	
	TKM2	Tokmak 2	18.05 309 P	Pmax	12 09 07.1 +0.8
	TKM2	comp=Z,32nm,1.1s		Pmax	
	KUU	Kurdy	18.06 313 eP	P	12 09 05.5 -0.7
	KUU	comp=Z,85nm,0.8s		Pmax	
	KUU	Kurdy	18.06 313 eP	P	12 09 05.5 -0.7
	KUU	comp=Z,85nm,0.8s		Pmax	
	NGP	Nagpur	18.11 234 ex	IAMB	12 09 03.1 -3.5
	NGP	comp=Z,28nm,1.1s		IAMB	12 09 08.2
	HVS	Khovu-Aksy	18.28 358jEP	P	12 09 06.3 -2.2
	KBK	Karagaybulak	18.36 308 P	P	12 09 13.7 +4.0
	KBK	SNR=27		Pmax	
	SFK	Sufi-Kurgan	18.43 299 P	Pn	12 09 12.8 +2.2
	SFK	comp=Z,54nm,0.9s		Pmax	
	UCH	Uchtor	18.47 306 P	Pn	12 09 14.3 +3.1
	UCH	SNR=43		Pmax	
	SARP	Sargodha	18.58 273 P	Pn	12 09 13.0 +0.7
	FRU1	Bishkek	18.64 308 eP	Pn	12 09 13.2 +0.3
	FRU1	comp=Z,44nm,0.9s		Pmax	
	FRU1	Bishkek	18.64 308 P	Pn	12 09 13.0 +0.1
	CHMS	Chumchik	18.64 309 P	Pn	12 09 15.2 +2.3
	CHMS	SNR=21		Pmax	
	ZAK	Zakamensk	18.64 17 eP	Pn	12 09 12.3 -0.6
	ZAK	comp=Z,9.0nm,1.3s		Pmax	
	AAK	Ala-Archa	18.65 307 P	Pn	12 09 16.3 +3.1
	AAK	SNR=14		Pmax	
	AAK	Ala-Archa	18.65 307 eP	Pn	12 09 13.1 -0.1
	AAK	comp=Z,27nm,0.9s		Pmax	
	AAK	Ala-Archa	18.65 307ceP	Pn	12 09 15.6 +2.4
	AAK	comp=Z,26nm,0.9s		Pmax	
	AAK	Ala-Archa	18.65 307 P	Pn	12 09 14.8 +1.6
	AAK	comp=Z,0.7nm,0.3s,baz=139,slow=10,SNR=29		LR	LR
	FRU	Bishkek	18.66 308 eP	Pn	12 09 15.0 +1.9
	FRU	comp=Z,972nm,21.6s,baz=106,slow=40		Pmax	
	FRU	Bishkek	18.66 308 eP	Pmax	12 09 15.0 +1.9
	FRU	comp=Z,972nm,21.6s,baz=106,slow=40		Pmax	
	BJT	Baijatiuu	18.71 61 eP	Pn	12 09 12.6 -1.1
	BJT	comp=Z,16nm,1.0s		Pmax	
	BJT	Baijatiuu	18.71 61 eP	Pn	12 09 12.6 -1.1
	BJT	comp=Z,16nm,1.0s		Pmax	
	USP	Ospenovka	18.92 309 P	Pn	12 09 17.9 +1.5
	USP	SNR=17		Pmax	
	AML	Almayashu	18.99 305 P	P	12 09 21.9 +4.4
	AML	SNR=17		Pmax	
	CEP	Cherat	19.02 279 P	P	12 09 14.5 -2.5

## 2013 FEB

CEP	Erkin-Say	19.14 307 S	S	12 12 48.0 -2.8
EKS2	SNR=67		Pn	12 09 23.8 +4.7
THW	Thammye Wali	19.25 276 P	P	12 09 18.2 -1.2
MOY	Monday	19.36 12 P	Pn	12 09 23.2 +1.5
MOY	comp=Z,40nm,2.9s		Pmax	
QIZ	Qiongzong	19.36 132 P	Pn	12 09 21.3 -0.5
QIZ	comp=Z,10.0nm,1.6s		Smax	12 12 59.4 -0.4
QIZ	comp=Z,300nm,3.3s		Pmax	
QIZ	comp=Z,2um,15.7s		LR	LR
QIZ	comp=Z,3um,16.7s		LR	LR
QIZ	comp=Z,1um,8.6s		LR	LR
QIZ	Qiongzong	19.36 132 eP	Pn	12 09 20.6 -1.2
QIZ	comp=Z,34nm,1.4s		Pmax	
TLY	Talaya	19.93 17 eP	Pn	12 09 26.7 -1.6
TLY	comp=Z,3.7nm,0.9s		Pmax	
TLY	Talaya	19.93 17jEP	LR	12 09 26.4 -1.9
TLY	comp=Z,2um,18.2s,baz=229,slow=38		LR	12 17 28.2
SRAK	Srakaew	19.93 159 P	Pn	12 09 32.6 +4.1
SRAK	comp=Z,55nm,0.7s,comp=Z,535nm		Pmax	
MNAS	Manas	19.94 305 P	Pn	12 09 29.3 +0.6
MNAS	comp=Z,79nm,1.3s		Pmax	
BTLs	Baital	20.05 313dEP	Pn	12 09 28.7 -1.1
BTLs	comp=Z,239nm,0.9s		Pmax	
BTLs	Baital	20.05 313jEP	Pn	12 09 28.7 -1.1
BTLs	comp=Z,239nm,0.9s		Pmax	
BTK	Batken	20.44 297 eP	Pn	12 09 34.3 -0.1
BTK	comp=Z,66nm,0.8s		Pmax	
BTK	Batken	20.44 297 eP	Pn	12 09 34.3 -0.2
BTK	comp=Z,66nm,0.8s		Pmax	
NJ2	Nanjing	20.44 86 eP	Pn	12 09 31.8 -2.6
NJ2	comp=Z,14nm,0.7s		Pmax	
NJ2	comp=Z,1um,10.8s		LR	LR
NJ2	comp=Z,2um,13.8s		LR	LR
SEM	Sempalatinsk	20.51 333dEP	Pmax	12 09 32.5 -0.7
SEM	comp=Z,267nm,0.7s		Pmax	
SEM	Sempalatinsk	20.51 333jEP	P	12 09 32.6 -0.7
SEM	comp=Z,267nm,0.7s		Pmax	
IRK	Irkutsk	20.60 17 eP	Pn	12 09 34.9 -1.2
IRK	comp=Z,45nm,2.9s		Pmax	
GAR	Garm	20.61 294 eP	Pn	12 09 34.8 -1.7
GAR	comp=Z,84nm,1.0s		Pmax	
GAR	Garm	20.61 294 eP	Pn	12 09 34.8 -1.7
GAR	comp=Z,84nm,1.0s		Pmax	
HYB	Hyderabad	21.14 227 iP	P	12 09 40.0 0.0
HYB	comp=Z,14nm,0.8s		S	12 13 30.0 -5.2
HYB	Hyderabad	21.14 227 eS	S	12 09 40.8 +0.8
HYB	comp=Z,14nm,0.8s		IAMB	12 09 44.4
PBA	Port Blair	21.17 185 eP	P	12 09 41.6 +1.3
PBA	comp=Z,199nm,1.4s		IAMB	12 09 43.9
KBL	Kabul	21.36 282 eP	P	12 09 43.4 +0.9
KBL	comp=Z,90nm,0.9s		Pmax	
KBL	Kabul	21.36 282 eP	P	12 09 43.4 +0.9
KBL	comp=Z,90nm,0.9s		Pmax	
KURBB	Kurchatov	21.36 331 P	P	12 09 42.3 +0.2
KURBB	comp=Z,41nm,0.7s,baz=158,slow=11,SNR=256		Pmax	
KURBB	Kurchatov	21.36 331 P	ScP	12 17 22.4 -0.4
KURBB	comp=Z,0.9nm,0.8s,baz=153,slow=2,SNR=5.7		Pmax	
KURK	Kurchatov	21.40 331 eP	P	12 09 42.4 -0.2
KURK	comp=Z,42nm,0.8s		Pmax	
KURK	Kurchatov	21.40 331eP	P	

2015 FEB

4d 12h

Table of station data for the 4d 12h period, including station names, coordinates, and various parameters like elevation and signal strength.

Table of station data for the 2015 FEB period, including station names, coordinates, and various parameters like elevation and signal strength.

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Table of station data for the 236 period, including station names, coordinates, and various parameters like elevation and signal strength.

WEL 04 12:11:00.4±1.2,38°S,6°17'9"E, h12km, ML3.6/11, Off east coast of North Island

Table of station data for WEL 04 12:11:00.4±1.2,38°S,6°17'9"E, h12km, ML3.6/11, Off east coast of North Island.

WEL 04 12:11:33.9±1.6,38°S,6°17'9"E, h19km±10km, ML3.6/7, Off east coast of North Island

Table of station data for WEL 04 12:11:33.9±1.6,38°S,6°17'9"E, h19km±10km, ML3.6/7, Off east coast of North Island.

SOME 04 12:16:57.8,41°60'N,77°90'E, h5km

CRNET 04 12:16:57.8,41°60'N,77°90'E, h5km, mb2.4
Error ellipses: s-major=7.8km, s-minor=4.1km, az=12.0

ISC 04 12:16:55.5,2.2,41°70'N,0°06'77.86E,0.03, h2km±20km, n34, c090/61, 15C-SD, Kyrgyzstan-Xinjiang Border region

Table of station data for ISC 04 12:16:55.5,2.2,41°70'N,0°06'77.86E,0.03, h2km±20km, n34, c090/61, 15C-SD, Kyrgyzstan-Xinjiang Border region.

WEL 04 12:09:19.6±1.0,38°S,5°17'9"E, h12km, ML3.9/13, Off east coast of North Island

Table of station data for WEL 04 12:09:19.6±1.0,38°S,5°17'9"E, h12km, ML3.9/13, Off east coast of North Island.



4d 13h

Table with columns: SZCU, PKCU, LCMT, WMOK, DAC, U15A, MINTX, LTX, TX31, TXAR. Includes station names, coordinates, and technical details.

ISCJB 04 13:15:26.0,6.2,20S:0:07:68:3E:0:1,h10km,mb4.2/14, MS3.8/8, Error ellipse: s-maj=18.6km s-min=7.9km az=157.1

IDC 04 13:15:27.0,9.2,21S:68:28E,h0km,mb3.9/8,mb1 4/1/8, mb1mx3.7/46,mbmp3.9/8,MS3.8/9,Ms1 3.8/9, ms1mx3.5/46, Error ellipse: s-maj=27.1km s-min=23.1km az=20.0

NEIC 04 13:15:28.0,4.0,21S:68:22E,h10km,5km,mb4.5/6, Error ellipse: s-maj=14.5km s-min=9.0km az=56.0

ISC 04 13:15:28.0,7.0,22S:0:16:8:3E:0:1,h10km,n44, c091/33,mb4.2/14,MS3.8/8,Carlsberg Ridge

Main table for 4d 13h section, listing station names (e.g., Diego Garcia H, Diego Garcia H, Diego Garcia H), coordinates, and technical details.

SOME 04 13:28:22.1,40:38N:77:28E,h10km KRNET 04 13:28:23.6,0.1,40:50N:77:28E,h8km,mb2.2

ISC 04 13:28:22.7,3.0,40:55N:0:17:27E,h0km,mb3.0,mpv2.7, Error ellipse: s-maj=11.1km s-min=7.5km az=90.0

ISC 04 13:28:22.7,3.0,40:55N:0:17:27E,h0km,mb3.0,mpv2.7, c191/37,12C-2D,Kyrgyzstan-Xinjiang border region

Table for 4d 13h section, listing station names (e.g., Taragay, Kyrgyz, Naryn, Ulhal), coordinates, and technical details.

2013 FEB

Table for 2013 FEB section, listing station names (e.g., MDOK, SATY, SATY, TKM2), coordinates, and technical details.

IDC 04 13:35:26.2,0.4,37:57N:82:40E,h0km,mb4.5/34, mb1 4.6/39,mb1mx4.5/56,mbmp4.5/39,ML4.3/5,MS3.7/4, Ms1 3.8/4,ms1mx3.3/39, Error ellipse: s-maj=12.2km s-min=9.1km az=34.0

ISCJB 04 13:35:26.2,0.1,37:58N:0:02:82:44E:0:02,h10km, mb4.6/89,MS4.0/5, Error ellipse: s-maj=3.1km s-min=2.6km az=42.3

BUI 04 13:35:27.5,37:72N:82:36E,h11km,mb4.8/20,mb4.5/37, ML4.9/7,Ms4.3/22,Ms7.4/0, Error ellipse: s-maj=6.7km s-min=3.9km az=118.1

MOS 04 13:35:28.1,0.1,37:63N:82:45E,h27km,mb4.8/49, Error ellipse: s-maj=6.7km s-min=3.9km az=118.1

NEIC 04 13:35:29.6,0.1,37:55N:82:42E,h24km,7km,mb4.7/32, Error ellipse: s-maj=4.1km s-min=3.1km az=20.0

NNC 04 13:35:35.2,9.38:06N:82:39E,h14km,15km,mb4.9, mpv4.8, Error ellipse: s-maj=18.8km s-min=13.2km az=102.0

ISC 04 13:35:27.8,0.3,37:60N:0:04:82:41E:0:04,h10km,n327, c154/345,mb4.7/88,MS4.0/6,46C-21D,Southern Xinjiang

Main table for 2013 FEB section, listing station names (e.g., Kashi, Przeval'sk, Kijays, Podgornyye), coordinates, and technical details.

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Main table for 238 section, listing station names (e.g., Makanchi Array, Makanchi Array, Makanchi Array), coordinates, and technical details.





4d 14h

DJA 04 13:48:44.0:6.0, 11°S, 5°11'8"E, h46km, 53km, M4.4/14, mB5.1/3, mb4.4/6, MLv4.4/14, Mw(mB)4.5/3

ISC 04 13:48:42.0:6.0, 11°47'S, 09°11'53"E, 0.07, h34km, n22, s=209/25, mb3.7/5, South of Sumbawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like PLAI Plampang, BASH Baing, WSI Waingapu, etc.

NEIC 04 13:51:13.0:0.0, 49°93'N, 179°28'E, h8km, ML3.1(AIC), After AEIC.

IDC 04 13:51:28.6: 16.0, 50°63'N, 177°25'W, h0km, mb3.3/4, mb1 3.8/4, mb1mx3.3/42, mbtmp3.4/4, Error ellipse: s-maj=319.0km s-min=64.6km az=80.0

ISC 04 13:51:11.0:1.9, 50°00'N, 02°17'8"E, 0.2, h10km, n12, s=089/19, mb3.6/4, Rat Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like TASE Tanaga, TAPA Tanaga Point A, KIMD Kanaga Island, etc.

DDA 04 14:09:02.7, 39°74'N, 25°65'E, h7km, 2km, ML2.7

ATH 04 14:09:02.9, 39°73'N, 25°67'E, h27km, 3km, ML2.0/2, Error ellipse: s-maj=3.7km s-min=1.3km az=252.0

ISCJB 04 14:09:04.1:0.5, 39°71'N, 03°25'65"E, 0.04, h19km, 12km, Error ellipse: s-maj=5.8km s-min=4.6km az=18.3

ISC 04 14:09:03.1:1.2, 39°72'N, 04°25'66"E, 0.03, h16km, 11km, n11, s=070/19, Aegean Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like BOZC Bozcaada, LIA Limnos Island, SIGR Sigiri, etc.

SOME 04 14:20:10.9, 42°55'N, 79°67'E, h10km

KRNET 04 14:20:11.0, 41.0, 42°58'N, 79°66'E, h12km, mb2.8

NNC 04 14:20:11.0, 41.0, 42°60'N, 79°65'E, h0km, mb3.1, mpv2.8, Error ellipse: s-maj=6.0km s-min=3.3km az=135.0

ISC 04 14:20:11.2:1.2, 42°56'N, 00°47'98"E, 0.04, h10km, n51, s=157/19, 22C, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like UZB Uzynbulak, UZU Uzunbulak, UZV Uzynbulak, etc.

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Main table with columns: PDGK, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Podgornoye, Przeval'sk, Ketmen, Kuram, etc.

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Table with columns: KZA, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists stations like Kyzart, ARLS Ara, WARR Warramunga Arr, etc.





Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JIRN, GUN, PKI, etc.

PGC 04 16:32:51.19.0.48.90N:129.67W, h10km, MLSn2.8/7, Mw3.5/7, 258km southwest of Pt. Hardy, Bc Vancouver Island, Canada Region, Vancouver Island region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KEMF, PACB, PHC, etc.

KRSC 04 16:36:36.0.0.9.51.72N:158.34E, h73km, 11km, ML3.6, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KDTR, RUS, MUTVR, etc.

IDC 04 16:48:47.3.1.0.11.14S:165.32E, h0km, mb3.9/8, mb1.4/2.0, mb1mx3.9/3.1, mbtmp4.0/10, ML4.6/2, MS3.5/2, Ms1.3/5.2, ms1mx2.9/3.1, Error ellipse: s-maj=30.6km s-min=20.7km az=144.0

NEIC 04 16:48:48.9.0.4.11.17S:165.29E, h10km, mb4.5/6, Error ellipse: s-maj=8.6km s-min=7.6km az=95.0

ISCJB 04 16:48:49.9.0.5.11.27S:0.06:165.27E:0.06, h30km, mb4.2/12, MS3.6/1, Error ellipse: s-maj=9.5km s-min=7.8km az=42.9

ISC 04 16:48:51.7.0.6.11.23S:0.07:165.32E:0.07, h30km, n28, c#081/31, mb4.0/12, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HNR, MARNC, DZM, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ASAR, PPT, CMAR, etc.

IDC 04 16:51:30.4.1.3.11.12S:165.28E, h0km, mb3.9/5, mb1.4/2.7, mb1mx3.8/3.2, mbtmp4.1/7, ML4.5/2, Error ellipse: s-maj=37.8km s-min=24.9km az=129.0

NEIC 04 16:51:31.7.0.6.11.15S:165.27E, h10km, mb4.2/4, Error ellipse: s-maj=12.6km s-min=8.0km az=65.0

ISCJB 04 16:51:33.2.0.9.11.31S:0.10:165.17E:0.10, h30km, mb3.9/8, Error ellipse: s-maj=17.7km s-min=8.6km az=135.9

ISC 04 16:51:34.9.1.1.11.2S:0.1x165.3E:0.1, h30km, n18, c#058/19, mb3.9/8, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HNR, HNZ, DZM, etc.

MEX 04 17:02:23.2.0.9.15.98N:98.29W, h2km, 4.4km, MD3.8, Off coast of Guerrero

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PNIG, VHO, HUIG, etc.

SOME 04 17:05:19.8.42.50N:79.65E, h15km, NNC 04 17:05:19.9.1.2.42.58N:79.64E, h0km, mb3.1, mpv2.8, Error ellipse: s-maj=7.8km s-min=4.2km az=134.0

KRNET 04 17:05:20.2.0.1.42.57N:79.64E, h16km, mb2.6, ISC 04 17:05:19.7.1.6.42.57N:79.65E:0.04, h7km, 10km, n16, c#108/83, 15C-5D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like UZB, PDGK, PRZ, etc.

ISCJB 04 17:07:55.0.0.8.24.89N:0.04:122.44E:0.03, h13km, 4km, Error ellipse: s-maj=6.6km s-min=4.3km az=26.0

TAP 04 17:07:55.7.24.90N:122.42E, h12km, ML2.6, D JMA 04 17:07:55.6.0.2.24.77N:122.41E, h11km

ISC 04 17:07:55.0.1.1.24.86N:0.04:122.42E:0.03, h13km, 11km, n21, c#37/36, Taiwan region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like EOS1, TWB1, EGS, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KOTS, MDOK, MDOK, etc.









Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like INK, ABKAR, YKA, etc.

Table with columns: URZ, Urewera, Az, AzZ, Phase ID, Time, Res. Includes stations like URZ, Urewera, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MDD, LJA, etc.

MEX 04 19:34:46.8, 0.6, 14.77N, 93.22W, h66km, 36km, MD3.9, Near coast Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PCIG, THIG, etc.

ISC 04 19:36:47.8, 2.1, 43.63N, 105.25W, h0km, mb1.3/5.2, mb1mx3.2/3.1, mbtmp3.2, ML3.1/2, Error ellipse: s-maj=5.1km s-min=3.6km az=151.0

NEIC 04 19:38:52.5, 0.1, 40.14W, h0km, ML3.2, Error ellipse: s-maj=12.6km s-min=11.0km az=160.0, Suspected Mining explosion.

NEIC 26 km [16 miles] SSE of Gillette, ISC 04 19:36:48.0, 0.9, 44.26N, 0.05, 105.61W, h0.04, h0km, n35, 1188/29, Wyoming

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RSSD, K2ZA, LAO, etc.

ISC 04 19:39:43.8, 1.9, 33.44S, 179.44W, h0km, mb3.9/2, mb1.4/2.3, mb1mx3.9/2.8, mbtmp4.0/3, ML4.2/1, Error ellipse: s-maj=56.7km s-min=38.5km az=136.0

ISCJCB 04 19:39:46.1, 0.8, 33.78S, 0.04, 179.0W, h0.1, h48km, mb3.9/5, ML3.4/2, Error ellipse: s-maj=17.2km s-min=9.4, 2km az=85.5

WEL 04 19:39:48.1, 0.7, 34.5, 17.9W, h1.6, h33km, ML4.9/15, NEIC 04 19:39:54.4, 3.5, 34.14S, 179.47W, h92km, 30km, mb4.2/3, Error ellipse: s-maj=46.7km s-min=22.0km az=196.0

ISC 04 19:39:48.4, 1.0, 33.80S, 0.07, 179.1W, h0.1, h48km, n38, 1144/52, mb3.9/5, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MXZ, WMGZ, etc.

MDD 04 19:46:13.9, 0.2, 38.05N, 3.28W, h10km, mbLg1.2/16, Error ellipse: s-maj=2.0km s-min=1.7km az=30.0, PRXIMO, Spain

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like EQES, EQES, etc.

ISC 04 19:54:23.9, 4.8, 6.55S, 104.68E, h0km, mb3.3/3, mb1.3/6.3, mb1mx3.3/3.8, mbtmp3.3/3, Error ellipse: s-maj=236.3km s-min=29.9km az=49.0

ISCJCB 19:54:30.7, 1.3, 6.83S, 0.1, 104.8E, 0.1, h49km, mb3.3/3, Error ellipse: s-maj=24.0km s-min=6.6km az=137.5

DJA 04 19:54:32.9, 1.3, 7.7S, 10.10E, h27km, 12km, M3.5/8, MLV3.5/8

ISC 04 19:54:32.3, 1.3, 6.65S, 0.1, 104.9E, 0.1, h49km, n13, 1153/14, mb3.2/3, Sunda Strait

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like KASI, KASI, etc.

ISC 04 20:00:03.1, 0.8, 10.91S, 165.54E, h0km, mb3.9/10, mb1.4/2.12, mb1mx4.1/3.1, mbtmp4.0/12, ML4.6/2, MS3.3/3, Ms1.3/3.3, ms1mx3.0/3.6, Error ellipse: s-maj=29.5km s-min=18.1km az=143.0

NEIC 04 20:00:04.2, 0.4, 10.95S, 165.60E, h10km, mb4.5/4, Error ellipse: s-maj=13.1km s-min=8.4km az=141.0

ISCJCB 04 20:00:05.6, 0.5, 11.05S, 0.09, 165.49E, 0.06, h30km, mb4.0/12, MS3.4/2, Error ellipse: s-maj=12.3km s-min=6.0km az=173.3

ISC 04 07:02:0.6, 0.6, 10.9S, 0.1, 165.58E, 0.08, h30km, n33, 1152/32, mb3.9/12, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like HNR, HNR, etc.

ISCJCB 04 20:13:10.5, 0.4, 7.91S, 0.05, 123.09E, 0.07, h221km, mb3.4/5, Error ellipse: s-maj=10.9km s-min=4.8km

ISC 04 20:13:12.2, 1.3, 7.94S, 122.96E, h234km, 13km, mb3.2/5, mb1.3/5.9, mb1mx3.3/3.1, mbtmp4.0/9, Error ellipse: s-maj=46.5km s-min=10.5km az=61.0

DJA 04 20:13:11.3, 0.0, 8.8, 12.3E, h215km, 10km, M3.8/14, mb4.4/1, mb3.8/3, MLV3.8/14, MW(m)3.6/1

ISC 04 20:13:11.1, 0.7, 7.96S, 0.05, 123.04E, 0.09, h221km, n27, 1185/35, mb3.9/11, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MMRI, MMRI, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BASI Bating Sumba, BKSI Bulukumba, KDI Kendari, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MJSB Matsuy-Tunnel, JHJ Hachioji jima 2, JHU Hiyonuma, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JKEN Kujedjanarisaw, JKEN Kujedjanarisaw, JTH Tanohata, etc.

IDC 04 20:29:51.3, 3.4, 3.77N-95.06E, h0km, mb3.2/2, mb1 3.4/4, mb1mx3.1/56, mbtmp3.2/4, ML3.2/2, Error ellipse: s-maj=66.0km s-min=47.0km az=57.0, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PSI Prapat, PSI Putchi Mai, CMAR Chiang Mai Arr, WRA Warrungarra Arr, ASAR Alice Springs, etc.

IDC 04 20:31:31.9, 0.6, 4.40S:0.05:127.62E:0.06, h250km, mb3.4/4, Error ellipse: s-maj=3.3km s-min=6.5km az=32.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MK01 Makanchi Array, MK02 Makanchi Array, MK03 Makanchi Array, etc.

IDC 04 20:34:42.1, 1.0, 18.8S:142.22E:0.10, h56km, mb3.6/8, Error ellipse: s-maj=38.4km s-min=15.2km az=100.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like URZ Urewera, STKA Stephens Creek, WRA Warrungarra Arr, etc.

NIED 04 20:32:00.36, 4.0N:143.00E, h5km, Mw4.0 Best double couple: M=1.260000, 1.015 NP1=3.54, 0.00000, 833.00000, lambda=106.00000, NP2=203.00000, 861.00000, lambda=106.00000

IDC 04 20:32:25.0, 6.0, 36.29N:143.27E, h0km, mb3.9/17, mb1 4.1/24, mb1mx4.0/54, mbtmp4.0/24, ML3.5/6, MS3.0/3, Ms1 3.0/3, Ms1mx2.7/50, Error ellipse: s-maj=15.2km s-min=13.3km az=110.0

IDC 04 20:32:28.6, 0.3, 36.36N:143.04E:0.04, h29km, mb4.1/26, Error ellipse: s-maj=5.2km s-min=4.1km az=7.2

NEIC 04 20:32:30.7, 0.3, 36.24N:143.20E, h35km, mb4.4/10, Error ellipse: s-maj=7.0km s-min=7.0km az=181.0

JMA 04 20:32:29.2, 0.2, 36.33N:143.13E:0.06, h29km, n80, s166/91, mb4.1/26, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CHOU Choshi, JHJU Iwakimizuishiy, JHJU Hitachinakayam, etc.

JMA 04 20:34:57.7, 0.1, 37.92N:143.76E, h19km, MB3.6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JIKH Ishinomakikobu, JIO Ouri, JJKT Kesunumamotou, etc.

IDC 04 20:56:34.7, 0.2, 7.27N:158.04E:0.08, h10km, Error ellipse: s-maj=11.0km s-min=11.0km az=15.4

TEH 04 20:56:34.8, 2.7, 75N:53.35E, h28km, ML3.3

DSN 04 20:56:40.9, 0.2, 27.64N:57.81E, h10km, ML2.8/6, Error ellipse: s-maj=8.7km s-min=4.5km az=331.0

OMAN 04 20:56:41.5, 0.2, 27.45N:58.14E, h18km, ml3.0/10, Error ellipse: s-maj=6.6km s-min=3.5km az=339.0

IDC 04 20:56:33.8, 1.6, 27.77N:105.58E:0.1, h10km, n25, s217/32, Southern Iran

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NIAN Nian, GENO Geno, GENO Cheshme madani, etc.

WBK Wadi Bani Khal 5.17 173 P Pn 20 57 54.4 +3.0
WBK S Sn 20 58 49.4 -1.8

NINC 04 21:01:39.4, 1.2, 42.68N:78.37E, h0km, mb2.0, mpv2.5, Error ellipse: s-maj=9.3km s-min=3.2km az=174.0

SOME 04 21:01:41.5, 42.70N:78.37E, h15km
KRNET 04 21:01:41.5, 0.1, 42.74N:78.38E, h26km, mb2.3
ISC 04 21:01:41.3, 1.0, 42.73N:0.03:78.39E, 0.02, h24km, 8km, n3.0, +0.65/60, 12C-4D Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PRZ Przewalsk, SATY Saty, UZB Uzunbulak, KURS Kuram, PDGK Podgornoye, etc.

ISC 04 21:07:05.3, 0.3, 13.11N:91.29W, h0km, mb3.4/3, mb1 3.8/6, mb1mx3.6/3.1, mbtmp3.4/6, ML3.4/2, MS1.4/2, ms1mx2.8/2.7, Error ellipse: s-maj=55.8km s-min=41.9km az=174.0

ISCJB 04 21:07:11.2, 1.1, 13.39N:0.07:91.50W, 0.05, h42km, 12km, mb3.4/3, MS3.3/2, Error ellipse: s-maj=12.0km s-min=6.3km az=25.0

UCR 04 21:07:12.8, 1.9, 13.48N:91.43W, h42km, 383km, MD3.5, ML3.4

ISC 04 21:07:11.8, 2.1, 13.45N:0.08:91.41W, 0.06, h26km, 14km, n24, +f33/31, mb3.5/3, Near coast of Guatemala

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include FUG Fuego 3, IKG Ixpaco, PCG Pacaya, NBG Las Nubes, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SNJE San Jose, BOQS Boqeron, BOQS Boqeron

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MTO3 Montecristo, LFU La Fuente, LFRS El Faro, PACA Pacaya, etc.

UCR 04 21:12:04.0, 1.6, 13.73N:90.96W, h25km, 22km, MD3.6, Near coast of Guatemala

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include IKG Ixpaco, FUG Fuego 3, PCG Pacaya, NBG Las Nubes, etc.

ISC 04 21:13:18.5, 1.1, 3.09S:136.31E, h0km, mb3.7/4, mb1 4.0/8, mb1mx3.8/2.5, mbtmp3.8/8, ML3.6/4, Error ellipse: s-maj=23.9km s-min=23.1km az=36.0

ISCJB 04 21:13:21.0, 0.7, 3.15S:0.09:136.26E, 0.06, h34km, mb3.6/3, Error ellipse: s-maj=12.6km s-min=8.8km az=165.3

ISC 04 21:13:22.4, 0.8, 3.23S:0.08:136.22E, 0.07, h34km, n8, +c249/12, mb3.9/3, Irian Jaya

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include JAY Jayapura, SIJU Sijau, WRA Warramunga Arr, FITZ Fitzroy Crossi, etc.

ISC 04 21:15:9.2, 1.3, 36.63N:143.16E, h0km, mb3.6/3, mb1 2.7/6, mb1mx3.4/4, mbtmp3.8/6, ML3.3/3, MS3.4/2, Ms1 3.4/2, ms1mx2.6/4, Error ellipse: s-maj=43.1km s-min=37.3km az=87.0

JMA 04 21:25:1.5, 0.1, 36.97N:142.74E, h46km, M3.4

ISC 04 21:25:17.5, 3.6, 36.88N:0.04:142.88E, 0.09, h8km, 25km, n31, +c1996/38, mb3.5/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include JFK Kawauchi, ONAJ Iwakimizuishy, JKH Ishinomakikobu, etc.

ASAJ Asahikawa 7.23 358 P Pn 21 07 05.9 +2.5

KLR Kulfur 14.76 330 LR LR 21 35 18.4

H1N2 WAKE ISLAND Hy 27.07 123 T T 21 59 39.2

H1N1 WAKE ISLAND Hy 27.08 123 T T 21 59 39.1

H1N3 WAKE ISLAND Hy 27.09 123 T T 21 59 42.0

H1S1 WAKE ISLAND Hy 27.80 125 T T 22 00 29.8

H1S3 WAKE ISLAND Hy 27.80 125 T T 22 00 29.2

H1S2 WAKE ISLAND Hy 27.82 125 T T 22 00 29.8

WRA Warramunga Arr 57.09 190 P P 21 35 02.6 -1.8

ISC 04 21:46:36.1, 0.9, 11.42N:143.25E, h0km, mb3.9/10, mb1 4.1/10, mb1mx3.8/3.5, mbtmp3.9/10, Error ellipse: s-maj=31.0km s-min=20.8km az=100.0

ISCJB 04 21:46:39.0, 0.7, 11.44N:0.1:143.15E, 0.1, h32km, mb3.9/10, Error ellipse: s-maj=29.9km s-min=10.3km az=36.2

ISC 04 21:46:41.1, 0.9, 11.44N:0.1:143.25E, 0.2, h32km, n11, +c073/11, mb3.9/10, South of Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include GUMO Guam, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISCJB 04 22:21:58.8, 1.3, 36.88N:0.05:141.51E, 0.08, h17km, 7km, mb3.0/2, Error ellipse: s-maj=11.7km s-min=6.3km az=27.1

JMA 04 22:22:00.3, 0.1, 36.88N:141.39E, h42km, 2km, M3.0

ISC 04 22:22:01.0, 0.3, 36.50N:141.40E, h0km, mb3.1/2, mb1 3.2/3, mb1mx3.1/4, mbtmp2.9/3, ML1.8/1, Error ellipse: s-maj=81.4km s-min=26.6km az=163.0

ISC 04 22:57:15.2, 0.3, 36.94N:0.05:141.54E, 0.09, h4km, 12km, n14, +c069/22, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ONAJ Iwakimizuishy, JFK Kawauchi, JKF Fukushimafurud, etc.

MEX 04 22:59:40.0, 1.8, 16.16N:100.54W, h52km, 6km, MD3.5, Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ARIG Puente Sto Nin, ARIG Puente Sto Nin, MEIG Mezcala, etc.

ISC 04 22:28:05.4, 1.0, 11.27N:143.29E, h0km, mb3.5/6, mb1 3.8/6, mb1mx3.5/3.8, mbtmp3.5/6, Error ellipse: s-maj=37.3km s-min=23.7km az=105.0, South of Mariana Islands

WRA Warramunga Arr 32.24 196 Op P 22 34 37.2 +1.5

ASAR Alice Springs 35.91 195 P P 22 35 06.0 -1.7

CMAR Chiang Mai Arr 43.26 285 P P 22 36 10.7 +0.8

ILAR Eielson Array 71.25 25 P P 22 39 26.1 -0.6

ISC 04 22:28:44.0, 1.2, 11.42N:143.25E, h0km, mb3.7/7, mb1 4.0/7, mb1mx3.6/3.9, mbtmp3.7/7, MS2.6/1, Ms1 2.6/1, ms1mx2.5/3.4, Error ellipse: s-maj=52.7km s-min=27.8km az=98.0, South of Mariana Islands

WRA Warramunga Arr 32.37 196 P P 22 35 15.0 -0.5

CMAR Chiang Mai Arr 43.29 285 P P 22 36 48.5 +0.6

SONM Songoing Array 47.63 327 P P 22 37 21.5 -0.5

ILAR Eielson Array 71.20 25 P P 22 40 04.3 -0.2

WRA Warramunga Arr 32.37 196 P P 22 35 15.0 -0.5

ASAR Alice Springs 17.64 157 P P 22 42 49.5 -1.5

SONM Songoing Array 57.82 344 P P 22 48 18.4 -0.1

CMAR Chiang Mai Arr 43.27 285 P P 22 36 10.7 +0.8

ZALV Zanevno Beam 62.48 325 P P 22 39 07.4 -1.7

ILAR Eielson Array 71.20 25 P P 22 40 04.3 -0.2

NVAR Mina Array Bea 89.51 51 P P 22 41 44.6 +0.8

ISC 04 22:39:08.7, 3.7, 7.42S:126.53E, h418km, 51km, mb3.0/3, mb1 3.1/7, mb1mx3.0/3.7, mbtmp3.9/7, Error ellipse: s-maj=80.2km s-min=18.5km az=52.0, Banda Sea

BATI Baunata 3.96 225 Op P 22 40 21.8 +0.4

FITZ Fitzroy Crossi 10.65 185 P P 22 41 34.2 +1.1

WRA Warramunga Arr 32.37 196 P P 22 35 15.0 -0.5









YUK	comp=N,409nm,0.2s	pmax	pmax	UGL	comp=Z,13um,16.0s	MLR	MLR	ZEA	comp=Z,90nm,6.0s	AMB	AMB	03 28 57.0	
YUK	comp=Z,1um,0.2s	pmax	pmax	JEW	comp=E,9um,16.0s	P	P	ZEA	comp=Z,800nm,6.0s	AMB	AMB	03 28 58.4	
YUK	comp=N,2um,0.5s	smax	smax	Eniwo	7.63 254	eP	Pn	ZEA	comp=Z,90nm,1.0s	AMB	AMB	03 28 58.4	
YUK	comp=N,2um,0.5s	smax	smax	Tymovskoe	8.01 316	eP	Pn	ZEA	comp=Z,160nm,1.0s	AMS	AMS	03 36 22.0	
LAGR	comp=E,4um,0.5s	4.24 253	eP	TYV	comp=E,300nm,2.0s	AMB	AMB	ZEA	comp=Z,1um,15.0s	AMS	AMS	03 36 22.0	
LAGR	Lagunnoye	4.24 253	eP	TYV	comp=E,100nm,0.7s	AMB	AMB	ZEA	comp=Z,4um,15.0s	AMS	AMS	03 36 22.0	
LAGR	comp=E,640nm,0.2s	AMB	AMB	TYV	comp=E,40nm,1.0s	eS	Sn	ZEA	comp=Z,6um,15.0s	AMS	AMS	03 36 22.0	
LAGR	comp=E,3um,0.4s	eS	Sn	TYV	comp=E,1um,5.0s	A	A	ZEA	comp=Z,800nm,6.0s	17.69 307	eP	Pn	03 28 52.0 -1.6
LAGR	comp=E,5um,0.4s	A	A	TYV	comp=E,8um,16.0s	AMS	AMS	ZEA	comp=E,71nm,1.0s	pmax	pmax		
LAGR	Lagunnoye	4.24 253	ePN	TYV	comp=E,7um,16.0s	AMS	AMS	ZEA	comp=N,86nm,1.2s	pmax	pmax		
LAGR	comp=Z,639nm,0.2s	eS	pmax	TYV	comp=Z,300nm,1.5s	eS	pmax	ZEA	comp=Z,160nm,1.2s	pmax	pmax		
LAGR	comp=E,5um,0.5s	smax	smax	TYV	comp=Z,101nm,0.7s	smax	smax	ZEA	comp=E,4um,15.0s	MLR	MLR		
GRPR	Tuman	4.28 253	eP	TYV	comp=E,37nm,1.0s	smax	smax	ZEA	comp=N,1um,11.0s	MLR	MLR		
GRPR	comp=N,270nm,0.3s	AMB	AMB	TYV	comp=E,1um,5.2s	MLR	MLR	KROS	comp=N,1um,11.0s	18.07 309	eP	P	03 28 56.0 -2.3
GRPR	comp=N,570nm,0.3s	AMB	AMB	TYV	comp=E,8um,16.0s	MLR	MLR	KROS	comp=N,110nm,1.0s	18.55 274	eP	P	03 29 02.1 -1.5
GRPR	comp=N,2um,0.4s	eS	Sn	JNB	comp=Z,7um,16.0s	MLR	MLR	Changchun	comp=N,60nm,1.1s	eS	Sn	03 29 17.8 -1.1	
GRPR	comp=N,370nm,0.4s	A	A	JNB	Noboribetsu	8.05 252	P	CN2	comp=N,200nm,3.0s	eS	Sn	03 32 27.5 -2.9	
GRPR	Tuman	4.28 253	ePN	JNB	Kayabe	8.32 249	P	CN2	comp=N,1um,15.0s	eS	pmax		
GRPR	comp=N,574nm,0.3s	eS	pmax	JKB	Yakumo 2	8.65 252	P	CN2	comp=N,4um,15.0s	pmax	pmax		
GRPR	comp=N,271nm,0.2s	A	A	JKB	Petrovavsk-	8.72 26	ePn	CN2	comp=N,5um,15.0s	P	P	03 29 11.3 -0.4	
GRPR	comp=N,2um,0.3s	smax	smax	JYJM	Petrovavsk-	8.72 26	ePn	CN2	comp=N,8um,0.3s,baz=163,slow=12,SNR=19	19.29 254	P	P	03 33 34.6 +1.8
GRPR	comp=N,374nm,0.4s	smax	smax	PEAOB	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
GLVR	Golovinno	4.54 250	eP	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
GLVR	comp=E,4um,0.5s	i / S	Sn	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
GLVR	comp=E,130nm,0.5s	A	A	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
GLVR	Golovinno	4.54 250	ePN	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
GLVR	comp=E,129nm,0.6s	i / S	smax	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
GLVR	comp=N,4um,0.5s	smax	smax	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
NEM2	Nemuro 2	4.56 245	iP	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
NEM2	comp=N,4um,0.5s	eS	Sn	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
JRA	Rausu	4.73 254	P	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
JNK	Nakashi	5.14 252	P	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
JNK	Akkeshi	5.41 246	eS	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
JAK	JTKR	5.55 258	iP	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
JAK	Abashiri-Toko	5.88 252	P	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
JAK	Ashoroboto	5.92 259	P	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
JMP	Maruseppu	6.14 29	eP	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
SKR	Severo-Kuril's	6.14 29	eP	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
SKR	comp=N,610nm,0.6s	AMB	AMB	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
SKR	comp=N,4um,4.0s	eS	Sn	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
SKR	comp=N,4um,4.0s	A	A	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
SKR	comp=N,1um,0.7s	A	A	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
SKR	comp=N,1um,0.7s	A	A	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
SKR	comp=N,7um,18.0s	AMS	AMS	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
SKR	comp=N,7um,18.0s	AMS	AMS	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
SKR	comp=N,12um,18.0s	AMS	AMS	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
SKR	comp=N,12um,18.0s	AMS	AMS	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
SKR	comp=N,6um,18.0s	AMS	AMS	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
SKR	Severo-Kuril's	6.14 29	ePN	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
SKR	comp=Z,608nm,0.6s	pmax	pmax	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
SKR	comp=Z,6um,17.0s	MLR	MLR	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
YSS	Yuzh-Sakhalins	6.22 287	ePn	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
YSS	comp=Z,120nm,1.0s	eS	Sn	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
YSS	comp=Z,4um,17.0s	AMS	AMS	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
YSS	comp=Z,8um,17.0s	AMS	AMS	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
YSS	comp=Z,11um,17.0s	AMS	AMS	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
YSS	Yuzh-Sakhalins	6.22 287	ePN	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
YSS	comp=Z,90nm,0.8s	pmax	pmax	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
YSS	comp=E,8um,14.0s	MLR	MLR	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
HRK	Horoka	6.25 255	eP	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
JSE	Soyaes	6.27 269	P	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
JJK2	Kamakawa 2	6.38 259	P	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
JKA	Kamikawa-asahi	6.42 261	eP	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
ASAJ	Asahikawa	6.42 262	P	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
ASAJ	Asahikawa	6.42 262	Pn	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
ASAJ	comp=E,16nm,0.3s,baz=79,slow=19,SNR=52	LR	LR	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
ASAJ	Churui	6.45 247	P	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
JCH	Moyori	6.66 245	eP	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
JCH	Keihoku	6.72 273	P	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
JWK2	Furan	6.73 254	P	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
JAB	Ashibetsu	6.86 257	P	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
ERM	Ermo	6.89 243	ePn	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
ERM	Ermo	6.89 243	ePn	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
ERM	Ermo	6.89 243	ePN	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
ERM	comp=Z,485nm,1.0s	pmax	pmax	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
JNBK	Urakawa-nobuka	7.01 247	P	PETK	Petrovavsk-	8.72 26	ePn	KSRS	comp=N,2um,18.3s,baz=59,slow=38	19.30 254	eP	P	03 29 11.3 -0.8
JNBK	Pauzhetka	7.04 29											





5d 3h

Table with columns: Call Sign, Name, Frequency, Power, Class, and other technical details. Includes entries like PV03 Paradox Valley, GOF Gofitskoje, AKT Akty, etc.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Power, Class, and other technical details. Includes entries like F41A Three Lakes, LVV L'vov, H40A Chili, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Class, and other technical details. Includes entries like CLL Colim, TIRR Tirusor, N40A Mertquake, etc.

GRFO	Grabenberg comp-Z,68nm,1.0s	79.15 335 eP	P	03 36 51.6 +1.0
TX31	Lajitas Ar. Si	79.18 59 eP	P	03 36 51.5 +0.3
LTX	Lajitas	79.18 59 eP	P	03 36 50.1 -1.1
LTX	Lajitas	79.18 59 eP	P	03 36 50.1 -1.1
TXAR	Lajitas Array comp-Z,4.2nm,1.0s,baz=297,slow=4.1,SNR=22	79.20 31 eP	P	03 36 50.1 -1.1
SOP	Sopron	79.20 31 eP	P	03 36 52.0 +1.2
ZIMR	Zim	79.20 32 fP	P	03 36 51.3 +0.4
K48A	Perry baz=324	79.21 38 P	P	03 36 49.6 -1.4
CONA	Conrad Observa comp-Z,42nm,1.2s,SNR=11	79.22 331 iP	P	03 36 52.2 +1.1
N45A	Kentland baz=321	79.24 41 P	P	03 36 49.9 -1.3
SZH	Strazhica	79.28 323 eP	P	03 36 51.9 +0.5
Q42A	Golden Eagle baz=321	79.30 44 P	P	03 36 50.8 -0.8
CRAR	CRAIOVA	79.31 325 fP	P	03 36 52.8 +1.3
VLAD	Vladia	79.33 324 fP	P	03 36 52.0 +0.4
Q44A	Manfield baz=322	79.33 42 P	P	03 36 50.8 -1.0
R41A	Rosebud baz=321	79.35 45 P	P	03 36 51.1 -0.8
L47A	Sherwood baz=323	79.39 39 P	P	03 36 50.8 -1.2
HERR	Herculane	79.40 326 fP	P	03 36 52.1 +0.1
BANR	Banloc	79.42 327 fP	P	03 36 53.3 +0.9
G53A	Haliburton baz=327	79.57 33 P	P	03 36 52.1 -0.8
HHAR	Hobbs	79.57 48 eP	P	03 36 53.7 +0.6
CCM	Cathedral Cave comp-Z,4.9nm,0.9s	79.60 45 eP	P	03 36 53.0 -0.2
CCM	Cathedral Cave comp-Z,1.1nm,0.9s	79.60 45 eP	P	03 36 53.0 -0.2
CCM	Cathedral Cave comp-Z,1.1nm,0.9s	79.60 45 P	P	03 36 52.1 -1.1
O45A	Potomac baz=322	79.61 42 P	P	03 36 52.2 -1.0
R42A	Luebbering baz=321	79.66 45 P	P	03 36 52.6 -0.9
EBEN	Eben Emael comp-Z,6.8nm,1.1s	79.69 339 fP	P	03 36 54.2 +0.8
PUNG	Punghina	79.70 325 fP	P	03 36 53.7 +0.1
M47A	Cromwell baz=323	79.70 40 P	P	03 36 53.1 -0.6
S41A	Jilco Farms, baz=320	79.71 46 P	P	03 36 52.9 -0.9
MORH	Mrgy, Hungar	79.72 329 eP	P	03 36 53.0 -0.7
L48A	N Adams baz=324	79.76 39 P	P	03 36 54.0 0.0
MDVR	Moldovita	79.76 326 fP	P	03 36 53.6 -0.4
MEM	Membach	79.77 338 fP	P	03 36 54.1 +0.2
P44A	Sand Creek, Wi baz=322	79.80 43 P	P	03 36 54.3 +0.1
SFIN	Lafayette baz=323	79.80 41 P	P	03 36 53.3 -1.0
MOA	Molin comp-Z,19nm,0.9s,SNR=6.4	79.82 332 iP	P	03 36 55.1 +0.9
L49A	Milan baz=324	79.92 38 P	P	03 36 54.3 -0.6
ARSA	Arzberg comp-Z,23nm,1.2s,SNR=6.4	79.92 331 iP	P	03 36 55.9 +1.1
M48A	Edgerton comp-Z,12nm,0.9s	80.00 39 eP	P	03 36 55.8 +0.5
M48A	Edgerton baz=324	80.00 39 P	P	03 36 54.2 -1.1
UCC	Uccle	80.02 339 fP	P	03 36 55.3 +0.1
Q44A	Meyer Farm, Va baz=320	80.05 44 eP	P	03 36 55.6 +0.1
Q44A	Meyer Farm, Va baz=320	80.05 44 P	P	03 36 54.1 -1.5
N47A	Urbana baz=323	80.05 40 P	P	03 36 54.6 -1.0
S42A	Caledonia baz=321,SNR=12	80.05 45 P	P	03 36 55.1 -0.5
U40A	Yellville baz=320,SNR=12	80.08 48 P	P	03 36 55.1 -0.7
T41A	Mountain View baz=321	80.12 46 P	P	03 36 55.2 -0.9
P45A	Graceland, Par comp-Z,14nm,0.8s	80.17 42 eP	P	03 36 56.3 +0.1
P45A	Graceland, Par baz=322	80.17 42 P	P	03 36 55.3 -0.9
FRGS	Fruska Gora	80.18 328 fP	P	03 36 56.3 +0.1
SNF	Sheridan	80.19 339 fP	P	03 36 57.4 +0.7
O47A	Sheridan baz=323	80.34 41 P	P	03 36 56.0 -1.2
N48A	Decatur baz=324,SNR=7.5	80.37 40 P	P	03 36 56.7 -0.6
DIM	Dimitrovgrad	80.44 322 eP	P	03 36 58.7 +1.0
Q45A	Warren Harvey, baz=322,SNR=5.3	80.47 43 P	P	03 36 57.5 -0.4
T42A	Van Buren comp-Z,6.2nm,0.8s	80.47 46 eP	P	03 36 57.1 -0.8
T42A	Van Buren baz=321	80.47 46 P	P	03 36 56.6 -1.3
S43A	Fulton Ridge, baz=321	80.56 45 P	P	03 36 56.5 -1.9
STU	Stuttgart comp-Z,45nm,1.1s	80.57 336 eP	P	03 36 59.0 +0.8
STU	Stuttgart	80.57 336 eP	P	03 36 59.0 +0.8
SOKA	comp-Z,45nm,1.1s	80.59 331 iP	P	03 36 59.0 +0.5
PERS	Pernice	80.60 331 iP	P	03 36 58.9 +0.4
WLF	Wallerfange comp-Z,25nm,1.2s	80.60 338 fP	P	03 37 00.1 +1.7
DOU	Dourbes	80.61 339 fP	P	03 36 58.7 +0.3
O48A	Farmland baz=324,SNR=5.7	80.79 40 P	P	03 36 59.0 -0.5
KBA	Kremlbrensperr comp-Z,14nm,0.9s,SNR=6.5	80.80 332 iP	P	03 37 01.0 +1.2
M50A	Foelent	80.81 38 P	P	03 36 58.8 -0.8
S44A	Carbondale baz=322	80.88 44 P	P	03 36 59.6 -0.4
SIUC	Southern Illini comp-Z,17nm,0.8s	80.88 44 eP	P	03 37 00.7 +0.6
V41A	Mountainview baz=320	80.89 48 P	P	03 36 59.1 -1.1
P47A	Martinsville baz=323	80.89 41 P	P	03 36 59.8 -0.3
OBKA	Obir comp-Z,9.6nm,0.7s	80.90 331 iP	P	03 36 59.3 -0.8
VTS	Vitosha comp-Z,9.6nm,0.7s	80.95 324 eP	P	03 37 01.2 +0.7
VTS	Vitosha comp-Z,9.5nm,1.1s	80.95 324 fP	P	03 37 01.2 +0.7
VTS	Vitosha	80.95 324 P	P	03 37 01.1 +0.5
VTS	Vitosha	80.95 324 eP	P	03 37 01.4 +0.8
GOLS	Golise	80.97 331 iP	P	03 37 00.7 +0.2
PBMO	Poplar Bluff comp-Z,9.0nm,0.6s	81.00 46 eP	P	03 37 01.0 +0.2
DIVS	Divibare comp-Z,22nm,1.1s	81.00 327 fP	P	03 37 00.1 -0.7
DIVS	Divibare	81.00 327 fP	P	03 37 00.6 -0.2
MIAR	Mount Ida comp-Z,5.7nm,0.8s	81.08 49 eP	P	03 37 00.8 -0.5
MIAR	Mount Ida	81.08 49 eP	P	03 37 00.8 -0.5
MIAR	Mount Ida comp-Z,6.0nm,0.8s	81.08 49 P	P	03 36 59.6 -1.7
MYKA	Terra Mystica comp-Z,19nm,1.4s	81.10 332 iP	P	03 37 01.5 +0.3
WATA	Waldemar comp-Z,14nm,0.5s,SNR=11	81.14 334 iP	P	03 37 02.5 +1.0
ALN	Alexandroupoli	81.16 321 eP	P	03 37 02.5 +1.0
ALN	Alexandroupoli	81.18 321 P	P	03 37 01.6 +0.1
RDO	Rodhopi	81.18 322 P	P	03 37 01.6 0.0
RDO	Rodhopi	81.18 322 P	P	03 37 01.6 0.0
CRES	Cresnev	81.18 331 iP	P	03 37 01.6 0.0
CRES	Cresnev	81.18 331 fP	P	03 37 00.6 -1.0
WHAR	Woolly Hollow comp-Z,11nm,1.1s	81.19 48 eP	P	03 37 01.8 0.0
BFO	Black Forest comp-Z,25nm,0.8s	81.22 336 eP	P	03 37 02.0 +0.3
BFO	Black Forest	81.22 336 eP	P	03 37 02.1 +0.3
BFO	Black Forest comp-Z,25nm,0.8s	81.25 334 iP	P	03 37 03.0 +1.0

Q47A	Bedord North L baz=323,SNR=6.1	81.26 42 P	P	03 37 01.7 -0.4
V42A	Cord baz=321	81.26 47 P	P	03 37 01.2 -0.9
MOTA	Mosalam comp-Z,6.1nm,1.2s,SNR=19	81.28 334 iP	P	03 37 03.1 +0.9
N50A	Nevada baz=325	81.28 39 P	P	03 37 01.1 -1.0
W41B	Gary Mavity, V comp-Z,17nm,1.3s	81.31 48 eP	P	03 37 02.7 +0.3
W41B	Gary Mavity, V baz=320	81.31 48 eP	P	03 37 01.9 -0.4
P48A	Milroy baz=324	81.31 41 P	P	03 37 02.3 0.0
PMOR	Pomariolee Reo comp-Z,12nm,0.2s	81.33 122 eT	T	05 06 52.5
SQTA	Sanct Quirin comp-Z,6.6nm,1.2s,SNR=11	81.35 334 iP	P	03 37 03.4 +0.8
ABTA	Aftersbach comp-Z,12nm,1.0s,SNR=5.5	81.36 333 iP	P	03 37 02.5 -0.2
HAPS	Han Pijesak, BI	81.41 327 eP	P	03 37 02.6 -0.4
BBLs	Lazi#263;i	81.43 327 fP	P	03 37 03.0 0.0
PARMO	Parma comp-Z,41nm,0.8s	81.43 45 eP	P	03 37 04.0 +1.0
BLY	Banja Luka comp-Z,6.9nm,0.8s	81.50 329 eP	P	03 37 02.5 -0.7
BLY	Banja Luka	81.50 329 fP	P	03 37 03.3 0.0
BLY	Banja Luka	81.50 329 eP	P	03 37 02.1 -0.4
TAOE	Niše Hiva Isla comp-Z,658nm,23.9s,baz=326	81.52 112 eLR	LR	04 02 46.6
L53A	Girard baz=323	81.55 36 P	P	03 37 03.1 -0.4
P49A	Miami Univ. Ec baz=324	81.57 40 P	P	03 37 02.7 -1.0
O50A	Cable baz=324,SNR=6.6	81.57 39 P	P	03 37 03.2 -0.6
Q48A	North Vernon	81.59 41 P	P	03 37 03.4 -0.4
MMB	Musomiste	81.59 323 eP	P	03 37 04.6 +0.7
CEY	Cerknica	81.61 331 fP	P	03 37 02.6 -1.3
S46A	Don Dixon Farm	81.64 44 P	P	03 37 03.2 -0.9
ECH	Echery comp-Z,19nm,0.8s	81.65 337 eP	P	03 37 04.2 +0.2
ECH	Echery	81.65 337 eP	P	03 37 04.2 +0.2
FETA	Feichten comp-Z,19nm,0.8s	81.68 334 iP	P	03 37 05.1 +0.7
DAVA	Damuels comp-Z,27nm,1.1s,SNR=9.6	81.70 335 iP	P	03 37 05.0 +0.5
R47A	Wooly Knot Far baz=323	81.72 42 P	P	03 37 04.2 -0.4
NVR	Neurokopi	81.73 323 P	P	03 37 02.6 -2.0
NVR	Neurokopi	81.73 323 P	P	03 37 02.6 -2.0
ACSO	Alum Creek Sta comp-Z,25nm,1.4s	81.79 39 eP	P	03 37 05.1 +0.2
ACSO	Alum Creek Sta baz=325	81.79 39 P	P	03 37 04.5 -0.3
M53A	Wl Miller and	81.80 37 P	P	03 37 04.8 -0.1
WCI	Wyandotte Cave comp-Z,13nm,0.9s	81.89 42 eP	P	03 37 05.7 +0.3
WCI	Wyandotte Cave	81.89 42 eP	P	03 37 05.7 +0.3
WCI	Wyandotte Cave comp-Z,13nm,0.9s	81.89 42 P	P	03 37 05.5 +0.1
P50A	Jamestown baz=323	81.93 40 P	P	03 37 05.5 -0.1
R48A	Northridge Ran baz=323	81.95 42 P	P	03 37 05.8 0.0
MANT	Manisa comp-Z,67nm,1.1s	81.96 318 eP	P	03 37 06.9 +0.8
O51A	Pataaskala baz=325	82.03 39 P	P	03 37 06.1 -0.1
T46A	Princeton baz=322,SNR=9.2	82.06 44 P	P	03 37 06.4 +0.1
STIP	Stip	82.15 324 iP	P	03 37 06.3 -0.5
FUORN	Ofenpass-Fuorn comp-Z,40nm,1.2s	82.18 334 eP	P	03 37 08.3 +1.2
UDBI	Udbina	82.20 330 iP	P	03 37 06.2 -0.9
SKO	Skojpe	82.22 325 iP	P	03 37 08.2 +1.0
WAV	Waldport	82.30 324 iP	P	03 37 08.1 +0.5
PPT2	Papeete2 comp-Z,944nm,23.0s,baz=324	82.36 124 eT	T	05 08 10.9
PPT2	Papeete2	82.36 124 eT	T	05 08 10.9
P51A	Williamsport comp-Z,4.0nm,0.2s	82.36 39 eP	P	03 37 07.4 -0.5
P51A	Williamsport comp-Z,9.3nm,0.8s	82.36 39 P	P	03 37 06.9 -1.0
O52A	Adamsville comp-Z,33nm,1.4s	82.39 38 eP	P	03 37 08.9 +0.9
O52A	Adamsville baz=326	82.39 38 P	P	03 37 07.5 -0.5
CSS	Mathiatis comp-Z,22nm,0.9s	82.39 313 eP	P	03 37 07.5 -0.7
S48A	Wiedeman Farm, baz=323,SNR=5.1	82.45 42 P	P	03 37 08.2 -0.1
Q50A	Georgetown baz=324	82.47 40 P	P	03 37 07.7 -0.8
N54A	Moraine State baz=326	82.48 37 P	P	03 37 07.4 -1.1
NVLJ	Novolja	82.49 330 iP	P	03 37 07.4 -1.0
M55A	Ridgway	82.57 36 P	P	03 37 07.8 -1.2
BRY	Bratogost	82.58 327 fP	P	03 37 08.2 -0.9
TUE	Stuetta	82.59 335 eP	P	03 37 09.8 +0.5
Q51A	Peebles comp-Z,11nm,0.8s	82.61 40 eP	P	03 37 09.5 +0.3
Q51A	Peebles baz=325	82.61 40 P	P	03 37 08.4 -0.8
PDG	Podgorica	82.70 326 fP	P	03 37 09.6 0.0
PDG	Podgorica	82.70 326 fP	P	03 37 09.2 0.4
TTG	Podgorica comp-Z,42nm,1.1s	82.70 326 eP	P	03 37 08.8 -0.8
TTG	Podgorica	82.70 326 eP	P	03 37 08.8 -0.8
S49A	Springfield baz=324,SNR=5.8	82.72 42 P	P	03 37 09.6 -0.2
T48A	Bowling Green baz=323	82.73 43 P	P	03 37 08.9 -0.9
R50A	Paris	82.76 41 P	P	03 37 09.0 -1.0
KRUS	Krusevo	82.81 325 iP	P	03 37 10.6 +0.3
TREB	Trebinje	82.81 327 eP	P	03 37 07.8 -2.4
WWT	Waverly comp-Z,8.6nm,0.9s	82.81 45 eP	P	03 37 10.5 +0.2
WWT	Waverly	82.81 45		



5d 3h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include TBI Tubuai, HDG Tubuai, HODGES Tubuai, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include 154A Montrose, 155A Kite, 254A Abbeville, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include PCAS Casimiro, PCBR Castelo, 060A Indiantown, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include TOA1 Torodi Arr, TOA0 Torodi Arr, TORD Torodi Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include NVL N'lazerevskaya, NVL N'lazerevskaya, PLCA Paso Flores, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include KUR Kuril'sk, KUR Kuril'sk, KUR Kuril'sk, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include YUK Yuzh-Kuril'sk, YUK Yuzh-Kuril'sk, YUK Yuzh-Kuril'sk, etc.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include FINES FINESSE Array B, GEYT Alibek, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include BUC 05 03:35:11.1, BUC 05 03:35:11.1, BUC 05 03:35:11.1, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include OFUJ Ofunato, OFUJ Ofunato, OFUJ Ofunato, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include NE2 Nemuro, NE2 Nemuro, NE2 Nemuro, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include H1N1 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include SONA Songoing Array, SONA Songoing Array, SONA Songoing Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include ILAR Eielson Array, ILB Eielson Array, INK Inuvik, etc.

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Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include GEYT Alibek, WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include EKA Eskdalemuir Arr, VOIR Arges, BR101 Keskin Array S, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include PBA Port Blair, PBA Port Blair, PBA Port Blair, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include CM10 Chiang Mai Arr, CM10 Chiang Mai Arr, CM10 Chiang Mai Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include SRAK Srakaw, CHAI Chaiyaphum, VIS Vishakhapatnam, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Rows include NONG Nongkai, SKNT Sakonkorn, KCSI Kotacane, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like HYB, RAMN, KMI, NGP, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KBL, NJ2, WMQ, SFK, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SJJI, CN2, NVS, BVAR, etc.







PNCL	Nicolau / Gran	4.14 272	eSg	Sg	06 02 19.6	-4.0
PNCL	Nicolau / Gran	4.14 272	Lg	Lg	06 02 19.6	

ISCJB 05 06:01:26.0,4.24.72N,0.02:122.43E,0.01, h11km,3km,  
 Error ellipse: s-maj=3.6km s-min=2.2km az=15.2  
 TAP 05 06:01:26.8,24.72N,122.31E, h8km,1km, ML2.9, C  
 JMA 05 06:01:27.0, 24.66N, 122.41E, h34km,2km, ML2.3  
 ISC 05 06:01:26.2, 1.24.70N,0.03:122.39E,0.02, h19km,3km,  
 n51, c050/98, Taiwan region

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
			Op	h m s	ISC
EOS1	EOS1	0.28 239	eP	06 01 33.1	+0.7
EOS1	baz=225		eS	06 01 37.8	+1.1
EGS	baz=225	0.44 290	eP	06 01 34.4	-0.8
EGS	baz=290		eS	06 01 40.8	-0.5
TWB1	Santiao Chiao	0.48 311	P	06 01 35.7	-0.3
TWB1	baz=314		S	06 01 41.5	-1.0
TWC	Suao	0.50 260	P	06 01 35.7	-0.6
TWC	baz=255		eS	06 01 44.2	+1.0
NTC	Touching	0.53 287	P	06 01 36.7	-0.1
NTC	baz=287		S	06 01 44.3	+0.2
JYNG	Yongunijimaku	0.56 116	P	06 01 37.7	+0.4
JYNG	Shuangxi	0.58 298	P	06 01 45.4	+0.5
TIPB	baz=299		S	06 01 45.2	-0.3
YOJ	Yonaguni jima	0.61 112	eP	06 01 38.5	+0.3
YOJ	Yonaguni jima	0.61 112	P	06 01 38.5	+0.3
NANB	Nanao	0.64 246	eP	06 01 38.5	-0.2
NANB	baz=240		eS	06 01 48.1	+0.7
ENA	Nanau	0.65 246	P	06 01 38.6	-0.2
ENA	baz=240		S	06 01 48.1	+0.4
TWE	Neicheng	0.66 272	P	06 01 38.7	-0.3
TWE	baz=269		S	06 01 48.7	+0.7
NWF	Wu-fen Shan	0.67 304	P	06 01 40.1	+0.7
NWF	baz=305		eS	06 01 48.7	+0.3
WFSB	Wu-fen Shan	0.67 304	eP	06 01 40.0	+0.6
WFSB	baz=305		eS	06 01 49.4	+1.0
ENTT	Nioudou	0.75 266	P	06 01 41.1	+0.1
ENTT	baz=263		eS	06 01 50.9	0.0
NDT	Datong Townshi	0.80 264	P	06 01 42.2	+0.3
NDT	baz=260		S	06 01 52.8	+0.2
NWLT	Wulai	0.81 276	P	06 01 41.8	+0.2
NWLT	baz=274		S	06 01 52.5	-0.3
NHDH	Xindian Distri	0.83 289	eP	06 01 43.1	+0.3
NHDH	baz=288		eS	06 01 54.0	-0.5
TATO	Taipei	0.86 289	eP	06 01 43.5	+0.2
TATO	baz=288		eS	06 01 54.4	-0.2
YM01	YM01	0.87 301	eP	06 01 44.0	+0.5
YM01	baz=302		eS	06 01 54.3	-0.4
YM08	YM08	0.88 304	eP	06 01 43.4	+0.4
YM08	baz=305		eS	06 01 54.5	-0.4
YM11	YM11	0.88 302	eP	06 01 43.9	+0.3
YM11	baz=303		eS	06 01 55.1	+0.2
NACB	Ninganchiao	0.89 235	eP	06 01 43.0	-0.1
NACB	baz=230		eS	06 01 54.6	+0.1
YM04	YM04	0.90 301	eP	06 01 43.3	+0.1
YM04	baz=301		eS	06 01 55.5	-0.2
TWY	Chenhua	0.92 309	P	06 01 43.4	-0.1
TWY	baz=310		S	06 01 56.4	+0.1
YHNB	Yeheng	0.92 269	eP	06 01 43.8	+0.2
YHNB	baz=266		eS	06 01 56.1	-0.3
NSK	Sanguang	0.94 269	P	06 01 44.1	+0.2
NSK	baz=267		S	06 01 57.0	-0.4
NSK	Chiawan	0.95 230	P	06 01 44.9	+0.3
NSK	baz=225		eS	06 01 56.9	-0.2
TWD	TWD	0.95 254	eP	06 01 44.1	-0.1
NNSB	Datong	0.95 254	eP	06 01 44.1	-0.1
NNSB	baz=251		eS	06 01 57.5	-0.3
ETLH	Xiulin Townshi	0.96 240	eP	06 01 44.2	0.0
ETLH	baz=236		eS	06 01 57.8	-0.1
NNS	Nan Shan	0.96 255	P	06 01 45.0	+0.1
NNS	baz=251		S	06 01 58.3	+0.3
WLTB	Daxi	1.04 279	eP	06 01 47.8	+1.3
WLTB	baz=277		eS	06 01 59.3	-0.6
WHF	Hehuan Shan	1.16 242	P	06 01 48.4	+0.4
WHF	baz=238		S	06 02 03.3	-0.1
TWT	Tachien	1.19 249	eP	06 01 49.4	+0.2
TWT	baz=246		eS	06 02 04.9	0.0
TDCB	Techi	1.21 249	eP	06 01 49.3	-0.2
TDCB	baz=246		eS	06 02 04.6	-0.8
LIOB	Emei	1.25 268	eP	06 01 50.4	0.0
LIOB	baz=266		eS	06 02 06.6	-0.2
NSST	Nanjung	1.27 267	eP	06 01 50.3	-0.3
NSST	baz=265		eS	06 02 07.8	+0.6
IRIF	Iriomote-Funau	1.27 106	P	06 01 48.2	-0.7
IRIF	baz=255		eS	06 02 04.6	-0.9
CHGB	Renai	1.28 241	eP	06 01 50.7	-0.2
CHGB	baz=237		eS	06 02 07.3	-0.3
OWD	Renai	1.33 237	P	06 01 51.4	-0.5
OWD	baz=233		eS	06 02 09.0	-0.3
WHP	Taichung City	1.38 253	eP	06 01 52.9	0.0

WHP	baz=250		eS	Sg	06 02 10.5	-0.4
HATJ	Hateruma jima	1.44 116	eS	Sn	06 02 09.3	-0.3
WVDT	WVDT	1.48 231	eP	Pg	06 01 55.1	+0.5
WVDT	baz=228		eS	Sg	06 02 13.5	-0.4
HGSD	baz=228		eP	Pb	06 01 53.7	+0.5
HGSD	baz=213		eS	Sb	06 02 12.9	+1.2
JKRS	Kuro-shima	1.54 107	P	Pn	06 01 52.7	0.0
JKRS	baz=213		S	Sn	06 02 11.9	-0.3
SMLT	Sun Moon Lake	1.58 240	eP	Pg	06 01 56.4	-0.3
SMLT	baz=236		eS	Sg	06 02 15.4	+0.8
TYC	Yuch	1.60 241	eP	Pb	06 01 55.7	+0.5
JJJ	Ishigaki jima	1.63 101	eP	Pn	06 01 53.9	0.0
JJJ	baz=238		S	Sn	06 02 13.9	-0.5
YULB	Yu-i	1.64 218	eP	Pg	06 01 55.2	-0.6
YULB	baz=215		eS	Sb	06 02 16.2	+0.2
JISG	Ishigakijimahi	1.75 93	P	Pn	06 01 55.7	+0.2
CHN4	Tsashan	2.12 231	eP	Pb	06 02 02.5	-1.5
CHN4	baz=229		eS	Sb	06 02 29.3	-0.6

IDC 05 06:03:55.9, 1.5, 6.48S, 147.36E, h0km, mb3.8/5,  
 mb1 4.0/6, mb1mx3.7/28, mbtmp3.8/6, ML3.8/1, MS4.0/1,  
 Ms1 4.0/1, ms1mx2.9/31, Error ellipse: s-maj=56.4km  
 s-min=23.2km az=114.0

ISCJB 05 06:04:02.7, 1.3, 6.65S, 0.2:147.3E, 0.3, h63km, mb3.6/5,  
 Error ellipse: s-maj=45.1km s-min=19.1km az=24.4  
 ISC 05 06:04:04.2, 1.5, 6.65S, 0.2:147.3E, 0.4, h63km, n8, c05917,  
 mb3.7/5, Eastern New Guinea region

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
			Op	h m s	ISC
WRA	Warramunga Arr	18.30 222	P	06 08 12.0	-1.2
ASAR	Alice Springs	21.1 216	P	06 08 45.2	-0.8
FITZ	Fitzroy Crossi	24.02 240	P	06 09 14.0	+0.6
STKA	Stephens Creek	25.72 191	P	06 09 29.5	+0.8
JNU	Nakatsue	42.46 339	LR	06 26 52.7	
MKAR	Makancni Array	78.14 320	P	06 15 56.7	+0.1
ILAR	Eielson Array	85.90 23	P	06 16 36.5	-0.4
TORD	Torodi Arr. Bea	145.52 284	PKPbc	06 23 37.1	+0.3
TORD	baz=229		PKPab		

SOF 05 06:06:12.8, 4.1, 79N, 23.82E, h5km  
 ISCJB 05 06:06:12.2, 0.4, 4.1, 80N, 0.01:23.78E, 0.03, h4km, 3km,  
 Error ellipse: s-maj=3.6km s-min=2.3km az=169.3  
 THE 05 06:06:13.2, 4.1, 75N, 23.78E, h2km, 1km, ML2.6/10, Error  
 ellipse: s-maj=1.1km s-min=0.5km az=258.0  
 BEO 05 06:06:13.1, 0.6, 4.1, 75N, 23.86E, h12km, 3km, ML2.7/8  
 ATH 05 06:06:13.2, 4.1, 72N, 23.60E, h20km, 8km, ML2.5/5, Error  
 ellipse: s-maj=9.8km s-min=1.8km az=183.0  
 SKO 05 06:06:14.0, 4.1, 78N, 23.76E, h5km  
 ISC 05 06:06:13.4, 0.4, 4.1, 75N, 0.02:23.79E, 0.02, h15km, 6km,  
 n66, c1528/92, 6C-3D, Greece-Bulgaria border region

Code	Station Name	Δ° AZ'	Phase ID	Time Res	ISC
			Op	h m s	ISC
MMB	Musomiste	0.17 197	iP	06 06 17.8	+0.2
MMB	baz=197		iSg	06 06 21.9	+1.4
MMB	Musomiste	0.17 197	iP	06 06 17.8	+0.2
NVR	Neurokopi	0.41 173	P	06 06 21.0	-1.3
NVR	baz=173		S	06 06 26.5	-0.6
NVR	comp=N,958um,0.3s		AML	06 06 28.1	
NVR	comp=N,889um,0.3s		AML	06 06 31.4	
NVR	Neurokopi	0.41 173	P	06 06 20.9	-1.3
NVR	baz=173		Sb	06 06 26.7	-1.5
KKB	Krupnik	0.54 282	iP	06 06 23.2	-0.9
KKB	baz=282		iSg	06 06 20.4	-0.9
KKB	Krupnik	0.54 282	iP	06 06 23.2	-0.9
SRS	Serrai	0.65 193	eP	06 06 25.8	-0.7
SRS	baz=193		eSg	06 06 35.0	-0.4
SRS	Serrai	0.65 193	P	06 06 25.9	-0.7
SRS	baz=193		Sb	06 06 35.0	-0.4
SRS	comp=E,622um,0.3s		AML	06 06 39.4	
SRS	comp=N,689um,0.3s		AML	06 06 41.2	
SRS	Serrai	0.65 193	P	06 06 25.7	-0.7
SRS	baz=193		Sb	06 06 34.9	-0.4
SRS	Serrai	0.65 193	iP	06 06 25.9	-0.5
RZN	Rozhen	0.69 95	iP	06 06 26.6	-0.7
PLD	Plovdiv	0.77 62	P	06 06 28.2	-0.2
PKB	Panagyurishte	0.84 19	iP	06 06 28.5	-1.3
KNT	Kendrikon	0.89 229	S	06 06 29.0	-0.6
KNT	baz=229		Sb	06 06 42.0	-0.3
KNT	comp=N,798um,0.2s		AML	06 06 42.4	
KNT	comp=N,806um,0.4s		AML	06 06 45.5	
KNT	Kendrikon	0.89 229	P	06 06 29.9	-0.6
KNT	baz=229		Sg	06 06 41.7	-0.7
KNT	Kendrikon	0.89 229	iP	06 06 30.0	-0.6
KNT	baz=229		iSg	06 06 41.9	-0.4
KAVA	Kavala	0.93 144	A	06 06 40.5	-0.6
KAVA	comp=E,946um,0.2s		AML	06 06 47.3	
KAVA	comp=N,1549um,0.4s		AML	06 06 47.3	
KAVA	Kavala	0.93 144	P	06 06 30.6	-0.6
KAVA	baz=144		S	06 06 43.9	+0.6
VTS	Vitosha	0.94 333	eP	06 06 31.0	-0.6
VTS	baz=333		eSg	06 06 43.6	-0.5
VTS	Vitosha	0.94 333	iP	06 06 30.8	-0.9
VTS	baz=333		iSg	06 06 42.9	-1.3
VTS	Vitosha	0.94 333	P	06 06 30.7	-0.9
VTS	baz=333		Sb	06 06 44.5	+0.6
VTS	Vitosha	0.94 333	iP	06 06 30.8	-0.9
SOH	Sokhos	0.99 200	P	06 06 31.4	-0.8
SOH	comp=E,824um,0.3s		AML	06 06 48.2	
SOH	comp=N,1072um,0.3s		AML	06 06 48.6	
SOH	Sokhos	0.99 200	P	06 06 31.6	-0.5
SOH	baz=200		Sb	06 06 45.2	+0.2
SOH	Sokhos	0.99 200	iP	06 06 31.7	-0.5
VAY	Valandovo	1.01 245	eP	06 06 32.8	-0.2
VAY	baz=245		eSg	06 06 46.7	+1.0
VAY	Valandovo	1.01 245	P	06 06 32.1	-0.5
VAY	baz=245		Sb	06 06 46.3	+0.6
VAY	Valandovo	1.01 245	iP	06 06 32.9	-0.1
VAY	baz=245		iSg	06 06 46.8	+1.0
STIP	Stip	1.02 268	iP	06 06 32.1	-4.5
HORT	Horiatits	1.27 205	P	06 06 36.9	+0.4
HORT	baz=205		S	06 06 37.0	+0.4
HORT	Thessaloniki	1.28 209	Pg	06 06 55.6	+2.2
GRG	Griva	1.31 233	P	06 06 37.7	-0.5
GRG	baz=233		S	06 06 37.8	0.0
GRG	Griva	1.31 233	P	06 06 56.2	+1.7
GRG	baz=233		S	06 06 37.7	0.0
THAS	Thassos island	1.34 148	P	06 06 37.7	-0.5
THAS	baz=148		S	06 06 56.7	+1.6
PLG	Polygyros	1.40 191	P	06 06 39.1	-0.2
PLG	baz=191		Pg	06 06 38.7	-1.6
OUR	Ouranopolis	1.42 174	P	06 06 38.8	+0.2
OUR	baz=174		Pn	06 06 38.9	+0.2
OUR	Ouranopolis				





Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for various stations.

Main table with columns: Call Sign, Frequency, Mode, Power, and other technical details for various stations.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for various stations.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, Res. Rows include KUW Kurly, BOOM Boomskeye usch, DGS Degeres, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, Res. Rows include MOMN Momotombo, MGNAN Managua, ESTN Estel, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, h m s ISC, Res. Rows include KEK Kerkira, NEST Nestorio, PENT Pentalofofos, etc.

MDD 05 08:52:15.6:0.2, 38°05N-3°28W, h1km, 3km, mblg, az=47.0, 1C-2D, Error ellipse: s-maj=1.7km s-min=1.1km az=Res.0, PRXIMO, Spain

Main table of station data for MDD 05 08:52:15.6:0.2, 38°05N-3°28W, including codes like EQES, SESP, GORA, etc.

ISCJCB 05 09:02:48.9:1.4, 12°3N:0°2'88"5W:0.2, h35km, mb3.9/4, Error ellipse: s-maj=4.7km s-min=8.1km az=37.8

Main table of station data for ISCJCB 05 09:02:48.9:1.4, 12°3N:0°2'88"5W:0.2, h35km, mb3.9/4, including codes like APG, JTS, CMIG, etc.

ATH 05 09:05:22.3, 40°90'N:19°71'E, h6km, 3km, ML3.0/4, Error ellipse: s-maj=5.9km s-min=1.9km az=139.0

Main table of station data for ATH 05 09:05:22.3, 40°90'N:19°71'E, h6km, 3km, ML3.0/4, including codes like VLO, TIR, etc.

ISCJCB 05 08:55:28.1:0.7, 12°22'N:0°08'88"5W:0.04, h33km, mb4.1/18, MS3.5/3, Error ellipse: s-maj=11.7km

Table of station data for ISCJCB 05 08:55:28.1:0.7, 12°22'N:0°08'88"5W:0.04, h33km, mb4.1/18, MS3.5/3, including codes like NEIC, UCR, etc.

ISC 05 09:02:51.0:1.3, 12°4N:0°22'88"4W:0.2, h35km, n8, 0°16'19", mb3.9/4, Off coast of central America

Table of station data for ISC 05 09:02:51.0:1.3, 12°4N:0°22'88"4W:0.2, h35km, n8, 0°16'19", mb3.9/4, Off coast of central America, including codes like VLO, TIR, etc.

MEX 05 09:11:04.6:0.8, 14°30'N:92°35'W, h84km, 20km, MD3.9, UCR 05 09:11:04.4:1.3, 13°88'N:92°09'W, h14km, 17km, MD3.8, ML3.5

Table of station data for MEX 05 09:11:04.6:0.8, 14°30'N:92°35'W, h84km, 20km, MD3.9, UCR 05 09:11:04.4:1.3, 13°88'N:92°09'W, h14km, 17km, MD3.8, ML3.5, including codes like THIG, PUG, etc.













Table with columns: Code, Station Name, Az, Alt, Phase, ID, ISC, Time, Res, Code, Station Name, Az, Alt, Phase, ID, ISC, Time, Res. Includes stations like DALY Dalian (Mula), FETHIYE Fethiye, YAMOS Yamos, etc.

NIED 05 13:31:01.2, 38.59N, 142.03E, h50km, mB5, 1/34, mb4, 8/56, Ms4.5/23, Ms7 4.2/20
JMA Felt III J1
ISCUBJ 05 13:31:02.1, 0.4, 38.65N, 0.02, 142.09E, 0.4, h52km, 2km, mb4, 6/94, MS4 1/12, Error ellipse: s-maj=5.5km

Main table of station data with columns: Code, Station Name, Az, Alt, Phase, ID, ISC, Time, Res. Lists numerous stations including JKMT, OFUJ, IKSH, etc.

Main table of station data with columns: Code, Station Name, Az, Alt, Phase, ID, ISC, Time, Res. Lists numerous stations including HHC, TWG, SEY, ULN, etc.

Main table of station data with columns: Code, Station Name, Az, Alt, Phase, ID, ISC, Time, Res. Lists numerous stations including KURK Kurchatov, KURKB Kurchatov Arra, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DRGR Arges, MORC Moravsky Berou, MORC Moravsky Berou, etc.

NIED 05 13:34:00, 38.70N, 142.10E, h44km, Mw4.0. Best double couple. M1.1, 0.0000, 1.015, NP1=219.00000, 821.00000, 1.109.00000. NP2=6.9, 0.00000, 870.00000, 8.83.00000.

ISCJB 05 13:34:24.0, 0.8, 38.67N, 142.04E, 142.13E, 0.1, h51km, 6km, mb3.8/16, Error ellipse: s-maj=12.6km s-min=5.2km az=19.1

JMA 05 13:34:24.4, 0.1, 38.66N, 142.15E, h41km, 1km, M3.9 JMA Felt II J1.

ICC 05 13:34:27.3, 2.1, 38.63N, 142.06E, h66km, 19km, mb3.5/16, mb1.3, 7/21, mb1mx3.6/46, mbtmp3.9/21, Error ellipse: s-maj=19.2km s-min=13.2km az=110.0

ISC 05 13:34:24.8, 1, 38.85N, 142.05E, 142.14E, 0.09, h42km, 13km, n39, c094/44, mb3.9/16, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JKM1 Kesennunamotoy, JKT1 Kikanchi Array, OFU1 Ofunato, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like YKA Yellowknife Arr, ASAR Alice Springs, ARCES ARCES Array B, etc.

ISCJB 05 13:51:54.9, 1.1, 11.13S, 0.09, 165.2E, 0.1, h31km, mb3.7/3, MS3.3/1, Error ellipse: s-maj=19.1km s-min=8.4km az=141.8

ICC 05 13:51:58.4, 3.4, 11.09S, 165.22E, h46km, 28km, mb3.5/4, mb1.3, 9/6, mb1mx3.5/32, mbtmp4.0/6, ML4.3/2, MS3.4/1, Ms1.3/3.1, ms1mx2.9/19, Error ellipse: s-maj=31.6km s-min=20.2km az=51.0

ISC 05 13:51:56.7, 1.4, 11.0S, 0.1, 165.3E, 0.1, h31km, n13, c074.9, mb3.6/3, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, HNR Mont Dzumac, DZM Mont Dzumac, etc.

ISCJB 05 14:18:32.9, 0.5, 33.60N, 131.87E, 0.05, h82km, 4km, mb3.5/3, Error ellipse: s-maj=7.6km s-min=6.3km az=19.9

JMA 05 14:18:34.5, 33.64N, 131.89E, h72km, 1km, M3.6 Broadband fault plane solution: P waves. NP1: 0.275, 0.0000, 0.76, 0.0000, 1.29, 0.0000. NP2: 0.22, 0.0000, 0.41, 0.0000, 1.22, 0.0000. Principal axes: T Pk=45.0000, Azm=224.0000, N Pk=38.0000, Azm=83.0000, P Pk=21.0000, Azm=336.0000.

JMA Felt II J1. ICC 05 14:18:34.8, 1.3, 33.61N, 131.70E, h87km, 10km, mb3.1/3, mb1.3, 5/6, mb1mx3.2/38, mbtmp3.7/6, Error ellipse: s-maj=22.8km s-min=12.5km az=78.0

ISC 05 14:18:33.6, 0.9, 33.61N, 131.89E, 0.04, h76km, 7km, n19, c085/27, mb3.8/3, 6C-4D, Kyushu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JKI Kunimi, JKD Kudamatsu, JBEP Beppuyama, etc.

MDD 05 14:25:00.3, 0.5, 38.04N, 3.30W, h3km, 4km, mbLg1.3/6, Error ellipse: s-maj=4.5km s-min=3.1km az=71.0, PRXIMO, Spain

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like EQES Quesada, SESP Santiago Espad, EGOR Sierra Gorda, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like EQES Santiago Espad, SESP Santiago Espad, GORA Gorafe, etc.

SJA 05 14:46:43.6, 0.7, 31.32S, 68.97W, h26km, 2km, ML2.5, MW4.1, San Juan Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RTLL Cerro Villicun, RTLL Cerro Villicun, RTLL Cerro Villicun, etc.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like Sorong, ASAR Alice Springs, MKAR Makanchi Array, ZALV Zalesovo Beam.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like AS01 Alice Springs, CLL Collim, CM01 Chiang Mai Arr, FINES FINESS Array B.

ISCJB 05 15:19:05.4±1.1, 42.92N, 0.06±145.65E, 0.07, h49km, 9km, Error ellipse: s-maj=12.4km s-min=5.8km az=146.2

IDC 05 15:32:47.3±10.0, 49.21S, -107.15E, h0km, mb3.4/2, mb1 3.7/2, mb1mx3.5/2.6, mbtmp3.4/2, MS3.8/5, Ms1 3.7/5, ms1mx3.5/1.8, Error ellipse: s-maj=530.2km s-min=47.3km az=120.0, Southeast Indian Ridge

ARCES ARCESS Array B 130.65 21 PKP PKPdf 15 59 12.4 -0.6

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like JKHJN Kashirohmanak, NEM2 Nemuro 2, JAK Akkeshi, GLVR Golovnino.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like H01W2 Cape Leeuwin H, H01W1 Cape Leeuwin H, H01W3 Cape Leeuwin H, STKA Stevens Creek.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like WMQ comp=N, 190nm, 13.1s, YKA comp=Z, 150nm, 20.3s, LZH Lanzhou, LZH comp=N, 120nm, 18.1s.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like GLVR Golovnino, GLVR comp=Z, 696nm, 0.2s, GLVR comp=N, 141nm, 0.1s.

IDC 05 15:40:02.0±0.6, 56.18S, 205.09W, h0km, mb4.6/1.1, mb1 4.6/1.2, mb1mx4.4/2.8, mbtmp4.6/1.2, M.L4.1/1.1, MS3.9/1.0, Ms1 3.9/1.0, ms1mx3.7/2.5, Error ellipse: s-maj=19.2km s-min=17.9km az=163.0

IDC 05 15:41:09.8±8.1, 31.36S, 179.31E, h462km, 103km, mb2.3/2, mb1 2.6/3, mb1mx2.6/3.0, mbtmp3.4/3, Error ellipse: s-maj=106.8km s-min=46.4km az=8.0, Kermadec Islands region

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like GRPR comp=E, 500nm, 0.2s, GRPR comp=E, 530nm, 0.2s, GRPR comp=E, 320nm, 0.2s.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like HOPE Hope Point, VNA1 Neumayer-Stat, VNA3 Neumayer Olymp, VNA2 Neumayer-Watz.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like URZ Urewhera, ARZ Alice Springs, WRA Warramunga Arr, FINES FINESS Array B.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like GRPR comp=E, 119nm, 0.2s, GRPR comp=Z, 513nm, 0.2s, GRPR comp=N, 1µm, 0.2s.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like SNA4 Sanae, SNA5 Sanae, SNA6 Sanae, SNA7 Sanae.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like EBNR Beni Rached, ECHA Chelief, EMHD Djebel Mahoud, EIBI Ibiz.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like JRA Rausu, YUK Yuzh-Kuril'sk, YUK comp=E, 20nm, 0.2s, YUK comp=E, 40nm, 0.2s.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like SNA8 Sanae, SNA9 Sanae, SNA10 Sanae, SNA11 Sanae.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like EBER Ebla, EQES Quesada, EQUQ Quesada, ELGU Los Guajales.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like YUK comp=E, 79nm, 0.2s, YUK comp=E, 319nm, 0.1s, YUK comp=N, 971nm, 0.2s.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like SNA12 Sanae, SNA13 Sanae, SNA14 Sanae, SNA15 Sanae.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like ETOS Malloira, ETOS 2.4nm, 0.4s, SNR=7.9, EBER Ebla, EQES Quesada.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like LAGR Lagunnoye, LAGR comp=N, 30nm, 0.2s, LAGR comp=N, 70nm, 0.2s, LAGR comp=N, 50nm, 0.2s.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like SNA16 Sanae, SNA17 Sanae, SNA18 Sanae, SNA19 Sanae.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like EBER Ebla, EQES Quesada, EQUQ Quesada, ELGU Los Guajales.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like LAGR comp=N, 420nm, 0.3s, LAGR comp=N, 620nm, 0.3s, LAGR Lagunnoye.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like SNA20 Sanae, SNA21 Sanae, SNA22 Sanae, SNA23 Sanae.

Table with columns: Code, Station Name, Δ° AZZ, Phase ID, Time Res, ISC. Includes stations like EBER Ebla, EQES Quesada, EQUQ Quesada, ELGU Los Guajales.

IDC 05 15:23:33.2±2.7, 50.35N, 96.58E, h0km, Error ellipse: s-maj=47.9km s-min=19.3km az=178.0, Tuva-Buryatia-Mongolia border region

IDC 05 15:53:22.2±1.2, 1.2N, 0.2±126.26E, 0.07, h44km, mb2.3/7.4, Error ellipse: s-maj=21.7km s-min=10.1km az=332.0, PRXIMO n11, 181S15, Northern Algeria

IDC 05 15:53:16.3±1.4, 1.04N, 125.71E, h0km, mb3.7/4, mb1 3.9/5, mb1mx3.6/3.5, mbtmp3.7/5, M.L3.8/1, Error ellipse: s-maj=106.9km s-min=21.6km az=67.0





Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like DAMAN, KOLDANDA, PYUN, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like CAST, KDAK, MLY, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like BEKR, MFID, PAHR, etc.

MAN 05 16:20:53.5, 8.46N-123.22E, h27km, mb3.5, ML2.2, MS1.6, 12C, Mindanao. Includes a sub-table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, and other technical details.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, ARCES ARCESS Array B, FINES FINES Array B.

JMA 05 16:26:17.6:0.2, 28.79N:128.60E, h10km, 3km, M3.2
ISCJB 05 16:26:18.3:0.9, 28.79N:128.61E, 0.07, h20km, 6km
mb3.4/7, Error ellipse: s-maj=10.1km s-min=5.8km az=9.4

IDC 05 16:26:32.0:0.2, 28.71N:128.78E, h44km, 20km, mb2.8/4,
mb1.3/4.0, mb1mx3.3/5.4, mbtmp3.5/10, MLJ=2.9, MS3.2/1,
Ms1.3/2.1, ms1mx2.5/2.6, Error ellipse: s-maj=29.9km
s-min=14.6km az=89.0

ISC 05 16:26:20.3:1.4, 28.76N:128.73E, 0.06, h25km, 11km,
n21, c136/28, mb3.4/7, Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JTAJ Takarajima, JYRO Yoronjima, JNHJ Nankai, JNTH Nagatoyohara, JNU Nakatsue, JKR Korea Array, JKSRS Korea Array, JMKAR Makanichi Array, JZALV Zalesovo Beam, JWRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, YKA Yellowknife Ar.

ISCJB 05 16:27:1.0:0.6, 29.96N:138.5E, 0.1, h443km,
mb2.9/4, Error ellipse: s-maj=13.8km s-min=6.3km
az=178.4

IDC 05 16:27:28.4:0.8, 29.93N:138.70E, h49km, 12km, mb2.7/5,
mb1.3/0.10, mb1mx2.7/5.7, mbtmp3.8/10, Error ellipse:
s-maj=26.2km s-min=11.4km az=79.0

JMA 05 16:27:28.7:0.4, 30.26N:137.75E, h445km, M3.4
ISC 05 16:27:28.0:0.9, 29.99N:138.6E, 0.1, h443km, n21,
c165/25, mb3.0/4, Southeast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JHJC Hachiojimakas, JHJU Hachiojima 2, JHJ Mitsune, JCBJ Chichi jima, JJC Chichijima, JCSO Boso 3, BSO3 Boso 4, BSO4 Boso 4, JODJ Odawara 2, JINY Yasuko, JYU Hanno, JRY Ryogami san, JAG Ashikaga, JMSU Matsushiro Arr, JHO Hitachi, JASAH Ashikawa, USRJ Ussuriysk Arr, KLR Kul'dur, CMAR Chiang Mai Arr, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array.

IDC 05 16:29:30.4:8.8, 10.75S:166.34E, h106km, 69km, mb3.3/4,
mb1.3/6.5, mb1mx3.3/4.2, mbtmp3.7/5, ML3.7/1, MS3.2/1,
Ms1.3/2.1, ms1mx2.7/1.9, Error ellipse: s-maj=109.3km
s-min=27.1km az=138.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, H1S2 WAKE ISLAND Hy 29.05, H1S3 WAKE ISLAND Hy 29.06, H1S1 WAKE ISLAND Hy 29.07, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, NVAR Mina Array Bea, BRTR Keskin Array B.

SNET 05 16:32:03.0:0.0, 12.76N:88.46W, h14km
UCR 05 16:32:04.2:0.9, 12.81N:88.39W, h53km, 89km, ML.4, 1,
mb4.3(NEIC)

NEIC 05 16:32:06.4:1.5, 12.96N:88.13W, h45km, 16km, mb4.3/6,
MD4.0(SNET), Error ellipse: s-maj=18.5km s-min=8.7km
az=64.0

NEIC Felt [I] at Usulután.
ISC 05 16:32:03.9:1.8, 12.78N:0.08, 88.31W, 0.08, h30km, 14km,
n18, c18/23, Off coast of central America

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LCY Lacayo, VSM San Miguel.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CNCH Conchagua, PACA Pacayal, TECA Tepaca, LFRS El Farco, LFRS Las Brisas, TGUH Tequisigalpa, UN ESTN Estel, BOAB BOACO BROADBAE, WBCY West Bay, Gran OTAV Otavalo, 957A Winauna, ROSC El Rosal, LNLG Litares, TZTN Tazewell, P53A Whipple, O52A Adamsville.

BUI 05 16:37:59.3, 55.44N:35.14W, h6km, mb5.3/14, mb4.8/20,
Ms5.1/9, Ms7.4/8.8
IDC 05 16:38:00.6:0.4, 55.49N:35.03W, h0km, mb4.3/30,
mb1.4/5.35, mb1mx4.4/4.6, mbtmp4.3/35, ML3.8/5, MS4.1/29,
Ms1.4/1.29, ms1mx4.0/5.0, Error ellipse: s-maj=13.4km
s-min=9.4km az=179.0

ISCJB 05 16:38:01.3:0.1, 55.46N:0.03:35.10W, 0.03, h14km,
mb4.7/172, MS4.2/29, Error ellipse: s-maj=4.7km
s-min=2.2km az=170.0

NEIC 05 16:38:01.1:1.9, 55.46N:35.02W, h2km, 11km, mb4.9/143,
Error ellipse: s-maj=4.3km s-min=2.2km az=177.0
Korea Array 8.69 356 P Pn 16 28 26.8 +2.4

ISC 05 16:38:02.8:0.3, 55.44N:0.06:35.11W, 0.05, h14km, n492,
c91/486, mb4.8/172, MS4.2/29, 14C-10, Reykjanes

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NRS Narsarsuaq, IVI Ivigtut, ANGC Ammassalik, BOBG Borganes, BORG Borganes, SFJD Kangerlussuaq, SFJD Kangerlussuaq, SFJD Kangerlussuaq, DRLN Deer Lake, SCOS Scoresbysund, SCO Scoresbysund, SUMG Summit, SUMG Summit, ESK Eskdalemuir, SCHO Schefferville, SCHO Schefferville, EKA Eskdalemuir, FRB Frobisher Bay, JMIC Jan Mayen, GBN Gysurborgur, KULLO Kullorsuaq, DAG Danmarks Havn, MVO Monrovia, PKME Peaks-Kenny Pk, PCBR Castelo Branco, CHGO Chibugamau, PMGT Montargil, TULEJ Thule, NB2 NORSAR Subarra, NOA NORSAR Array B, NOA NORSAR Array B, LATO La Tuque, MENJ Nicolas J Gran, MESJ Messejana, HFS Hagfors, HFS Hagfors, ESCD Sonseca Array, ESCD Sonseca Array, ES19 Sonseca Array, LSQO Lebel-sur-Quev, TRQ Matagami, TRQ Mont Tremblant, ALFO Alfred, LONY Lake Ozonia, D53A Lac Vacive, Po, E54A Lac Duplat, Po, E53A Dumoine, Ponti, PEMO Pembroke, H56A Elgin, PLYO Plevna, D51A Lot 18 Range I, CLL Collin, D50A G1974 Best Tow, E51A G1948 Merrick, D50A Deloro Mine, DAVOX Davos/Dischmat, G53A Haliburton, I55A Frankford, I55A Wanhapitae, SADO Sadowa, SADO Sadowa, RES Resolute Bay, RES Resolute Bay.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WLVO Wesleyville, ARCES ARCESS Array B, KLBO Killbuck Provi, GERES GERESS Array B, GERES Gerres, GEAO GERESS Array S, K55A Perry, F49A Sandfield, E47A Iron Bridge, FCC FCC Churchhill, FINES FINES Array B, M54A Oil Creek Sta, L53A Girard, G47A Hillman, N54A Moraine State, O55A Ligonier, M52A Chesterland, N53A Lisbon, YH5E Yhne, O53A New Philadelphia, P54A Burton, PSZ Piskieszto, O52A Adamsville, P53A Whipple, R55A Marlinton, M49A Liberty Center, O51A Pataskala, P52A Corning, ACSO Adams Creek Sta, H43A Windswept, Lux, E40A Walford, EYMN Ely, N49A Columbus Grove, N49A Columbus Grove, TRPA Tarpa, N48A Decatur, M47A Cromwell, O49A Covington, E38A The Farm, Brul, G40A Rib Lake, F39A Loretta, H41A Junction City, N47A Urbana, O48A Farmland, KEST Kesra, ULM Lac du Bonnet, ULM Lac du Bonnet, ULM Lac du Bonnet, F38A Pierce Schro, P49A Miami Univ, DRGR Buzias, N46A Monticello, P48A Milroy, K42A Prairie Point, J41A Loganville, L43A Garden Prairie, R50A Paris, S51A Beatville, FFC Flin Flon, MDVR Malodovita, SFIN Lafayette, GZR GZR Zlata, BUR08 Bucovina Ar, S, Q48A North Vernon, U53A Fall Branch, BUR04 Bucovina Ar, S, BURAR Bucovina Array, I39A Houston, N44A Pipe City, M43A Waltham Townsh, K41A Shubert, L42A Oliver, Polo, KMSC Kings Mountain, P46A Rosedale, TZN Tazewell, TZN Tazewell, AK11 Malin Array Si, KIEV Kiev, KIEV Kiev, KIEV Kiev, AKASO Malin Array Be, AKBB Malin Array Si, S49A Springfield, KLMR Klimovskoe, KLMR Klimovskoe, V53A Saluda, P45A Graedeland, Par, WCI Wyandotte Cave.

5d 16h

U51A	La Follette	38.04 261	P	P	16 45 19.8	-0.8
T50A	Nancy	38.05 262	P	P	16 45 19.0	-1.6
R47A	Woolly Knot Far	38.12 265	P	P	16 45 21.4	+0.3
BIZ	Bicaz	38.14 77	iP	P	16 45 21.8	+0.6
S48A	Wiedeman Farm,	38.29 264	P	P	16 45 23.0	+0.4
DOPR	Dopca	38.32 78	iP	P	16 45 23.3	+0.5
NHSC	New Hope	38.32 253	P	P	16 45 23.3	+0.4
W53A	Cullowhee	38.44 259	P	P	16 45 24.4	+0.4
VOIR	Vinton	38.45 79	iP	P	16 45 24.1	+0.2
L39A	Muntele Rosu	38.68 274	P	P	16 45 26.7	+0.9
MLR	Red Boiling Sp	38.94 263	P	P	16 45 28.5	+0.6
U49A	Harden Midland	38.95 272	P	P	16 45 28.9	+0.8
N43A	Estanolee	39.01 258	P	P	16 45 28.9	+0.2
YK3	Yellowknife Ar	39.08 314	eP	P	16 45 29.2	+0.4
PLSTR	Yellowknife Ar	39.09 78	iP	P	16 45 29.6	+0.3
YKRA	Yellowknife Ar	39.10 314	P	P	16 45 28.9	-0.2
YKA	comp=Z,0.7nm,0.7s,baz=55,slow=3.4,SNR=5.0		PcP	PcP	16 47 38.0	-0.4
YKBS	Yellowknife Ar	39.10 314	eP	P	16 45 28.7	-0.4
Q44A	Comp Farm, Va	39.11 268	P	P	16 45 29.8	+0.3
R45A	Skyilar, Fairir	39.11 267	P	P	16 45 30.1	+0.6
Y54A	Tignall	39.14 257	P	P	16 45 29.7	0.0
V50A	Pikeville	39.16 261	P	P	16 45 29.1	-0.9
VTS	Vitosha	39.18 84	iP	P	16 45 30.6	+0.4
M39A	Webster	39.19 274	P	P	16 45 30.0	-0.2
S46A	Don Dixon Farm	39.21 266	P	P	16 45 30.5	+0.2
X52A	Dahlonega	39.26 259	P	P	16 45 30.5	-0.3
W51A	Cleveland	39.34 260	P	P	16 45 31.4	0.0
O41A	Passleys Farm,	39.36 271	P	P	16 45 32.1	+0.6
U48A	Cassie Pea, Po	39.37 263	P	P	16 45 32.4	+0.8
P42A	Winchester	39.41 270	eP	P	16 45 33.4	+1.4
P42A	Winchester	39.41 270	P	P	16 45 32.7	+0.8
V49A	McMinnville	39.55 262	P	P	16 45 33.0	-0.1
R44A	Waltonville	39.60 267	P	P	16 45 33.9	+0.4
Y53A	Monroe	39.64 258	P	P	16 45 34.3	+0.3
Z54A	Sparta	39.69 256	P	P	16 45 34.2	-0.1
T46A	Princeton	39.77 265	P	P	16 45 34.0	-0.9
U47A	Clarksville	39.85 264	P	P	16 45 35.9	+0.3
GOGA	Godfrey	39.91 257	P	P	16 45 35.7	-0.5
155A	Kite	39.95 255	P	P	16 45 36.4	0.0
Q42A	Golden Eagle	39.97 269	P	P	16 45 36.7	+0.1
SIUC	Southern Illin	40.05 267	eP	P	16 45 38.8	+1.6
R43A	Red Bud	40.06 268	P	P	16 45 37.8	+0.4
S44A	Carbondale	40.08 267	P	P	16 45 38.2	+0.6
V48A	Smith Brothers	40.08 263	P	P	16 45 37.6	0.0
W49A	Belvidere	40.22 261	P	P	16 45 37.7	-1.0
ECSD	EROS Data Center	40.26 280	eP	P	16 45 40.5	+1.5
ECSD	EROS Data Center	40.26 280	P	P	16 45 39.7	+0.7
154A	Montrose	40.30 256	P	P	16 45 39.5	+0.1
CFR	Carcalui	40.33 77	iP	P	16 45 38.8	-0.7
Q41A	Truxton	40.34 270	P	P	16 45 39.9	+0.2
X50B	Fort Payne	40.35 260	P	P	16 45 38.8	-1.0
WVT	Waverly	40.38 264	P	P	16 45 39.8	-0.1
V47A	Nunnely	40.41 263	P	P	16 45 40.7	+0.4
W48A	Pulaski	40.58 262	P	P	16 45 42.1	+0.3
Z53A	Williamson	40.60 258	P	P	16 45 42.3	+0.4
S42A	Fulton Ridge,	40.63 267	P	P	16 45 42.2	0.0
X49A	Woodville	40.69 261	P	P	16 45 43.2	+0.6
V46A	Holladay	40.77 264	P	P	16 45 43.9	+0.6
Y50A	Piedmont	40.82 260	P	P	16 45 43.7	0.0
W47A	Westpoint	40.87 263	P	P	16 45 44.1	0.0
R41A	Rosebud	40.88 269	P	P	16 45 44.5	+0.3
S42A	Caledonia	40.91 268	P	P	16 45 44.4	0.0
254A	Abbeville	40.91 255	P	P	16 45 44.5	0.0
CCM	Cathedral Cave	40.97 269	eP	P	16 45 45.7	+0.9
CCM	Cathedral Cave	40.97 269	P	P	16 45 45.2	+0.3
T43A	Greenville	41.10 267	P	P	16 45 46.4	+0.4
X48A	Hartselle	41.14 261	P	P	16 45 46.3	0.0
152A	Waverly Hall	41.16 257	P	P	16 45 46.2	-0.3
Y49A	Blount Mountai	41.22 260	P	P	16 45 46.3	-0.7
Z50A	Ashland	41.39 259	P	P	16 45 48.6	+0.2
X47A	Russelville	41.55 262	P	P	16 45 50.3	+0.6
S41A	Jilco Farms,	41.58 269	P	P	16 45 50.2	+0.3
T42A	Van Buren	41.59 268	eP	P	16 45 50.9	+0.9
T42A	Van Buren	41.59 268	P	P	16 45 50.6	+0.6
Z49A	Columbiana	41.78 260	P	P	16 45 52.5	+1.0
150A	Colectic	41.93 259	P	P	16 45 53.8	+1.0
X46A	Booneville	41.93 263	P	P	16 45 53.1	+0.2
T41A	Mountain View	41.97 268	P	P	16 45 53.7	+0.6
U42A	Reviden	42.15 267	P	P	16 45 55.4	+0.7
149A	Jones	42.37 259	P	P	16 45 56.1	-0.3
OXF	Oxford	42.43 264	P	P	16 45 56.2	-0.7
V42A	Cord	42.63 267	P	P	16 45 58.7	+0.3
INK	Inuvik	42.96 327	eP	P	16 46 00.5	-0.2
Y45A	Yeager Farm, C	42.98 263	P	P	16 46 01.2	-0.1
U40A	Yellville	43.07 269	P	P	16 46 02.6	+0.5
V41A	Mountainview	43.08 267	P	P	16 46 02.5	+0.3

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KSU1	Kansas State U	43.30 274	P	P	16 46 04.7	+0.8
W41B	Gary Mavity, V	43.57 267	eP	P	16 46 06.0	-0.1
W41B	Gary Mavity, V	43.57 267	P	P	16 46 06.6	+0.5
BRAL	Brewton	43.59 258	P	P	16 46 06.4	+0.1
LAO	LASA Array	43.70 289	eP	P	16 46 08.5	+1.4
LAO	LASA Array	43.70 289	P	P	16 46 09.2	+2.1
HHAR	Black Hills	43.74 269	eP	P	16 46 08.0	+0.5
RSSD	Black Hills	44.14 285	P	P	16 46 11.7	+0.8
TAM	Tamanrasset	44.30 121	eP	P	16 46 11.0	-1.3
X40A	Basin Creek Fa	44.40 267	eP	P	16 46 13.0	+0.2
X40A	Basin Creek Fa	44.40 267	P	P	16 46 12.8	+0.1
W39A	Magazine	44.43 268	eP	P	16 46 13.9	+0.9
W39A	Magazine	44.43 268	P	P	16 46 13.8	+0.8
EGMT	Eagleton	44.74 293	eP	P	16 46 16.8	+1.4
EGMT	Eagleton	44.74 293	P	P	16 46 16.9	+1.5
MIAR	Mount Ida	44.78 267	eP	P	16 46 16.5	+0.8
MIAR	Mount Ida	44.78 267	P	P	16 46 17.0	+1.2
RLMT	Red Lodge	46.33 290	eP	P	16 46 29.9	+1.6
RLMT	Red Lodge	46.33 290	P	P	16 46 29.5	+1.2
K22A	Casper	46.47 285	eP	P	16 46 29.8	+0.5
K22A	Casper	46.47 285	P	P	16 46 30.1	+0.8
HRY	Holter Researc	46.66 293	eP	P	16 46 30.7	0.0
BR13	Keeskin Array S	46.97 300	eP	P	16 46 34.0	+0.0
BRTR	Keeskin Array B	46.97 300	P	P	16 46 34.5	+1.3
BRTR	Keeskin Array B	46.97 300	PcP	PcP	16 48 03.6	-1.8
BRTR	comp=Z,0.9nm,0.9s,baz=329,slow=5.4,SNR=2.2		LR	LR	17 05 58.8	
BOZ	Bozeman (W)	47.28 292	eP	P	16 46 36.8	+1.2
BOZ	Bozeman (W)	47.28 292	P	P	16 46 36.2	+0.6
N23A	Red Feather La	47.34 283	eP	P	16 46 37.9	+1.7
N23A	Red Feather La	47.34 283	P	P	16 46 35.7	-0.5
DAWY	Dawson	47.45 325	eP	P	16 46 37.4	+0.9
H17A	Grant Village	47.51 290	P	P	16 46 38.2	+0.7
FYU	Fort Yukon	47.57 329	eP	P	16 46 38.5	+1.2
WMOK	Wichita Mounta	47.60 272	eP	P	16 46 38.6	+0.5
WMOK	Wichita Mounta	47.60 272	P	P	16 46 39.0	+0.9
YFT	Old Faithful	47.62 290	eP	P	16 46 39.1	+0.8
MSO	Missoula	47.69 294	P	P	16 46 39.0	+0.3
DLBC	Dease Lake	47.69 315	eP	P	16 46 39.9	+1.4
ISCO	Idaho Springs	47.90 282	eP	P	16 46 41.9	+1.2
ISCO	Idaho Springs	47.90 282	P	P	16 46 40.0	-0.7
MOOW	Moose Ponds	48.03 289	eP	P	16 46 42.4	+0.9
LOHW	Long Hollow	48.05 289	eP	P	16 46 42.7	+1.1
BW06	Boulder Array	48.05 287	eP	P	16 46 41.8	+0.1
BW06	Boulder Array	48.05 287	P	P	16 46 41.6	-0.2
PD31	Pinedale Array	48.05 287	eP	P	16 46 41.9	+0.2
PDAR	Pinedale Array	48.05 287	eP	P	16 46 41.5	-0.3
PDAR	Pinedale Array	48.05 287	P	P	16 46 42.1	+0.4
FXWY	Fox Creek	48.26 289	eP	P	16 46 43.8	+0.5
REDW	Red Top Meadow	48.35 289	eP	P	16 46 43.8	-0.2
NEW	Newport	48.38 298	P	P	16 46 43.5	-0.4
PRP	Porcupine Dome	48.38 329	eP	P	16 46 43.9	+0.1
MCMT	McKenzie Canyo	48.44 292	eP	P	16 46 45.2	+0.6
ARU	Art	48.47 48	eP	P	16 46 44.5	0.0
COLD	Coldfoot	48.49 332	eP	P	16 46 44.9	+0.5
HYT	Hats Junctio	48.98 321	eP	P	16 46 49.1	+0.6
SCRK	Sand Creek	49.00 326	eP	P	16 46 49.6	+1.1
T25A	Trinidad	49.08 278	eP	P	16 46 50.7	+1.0
T25A	Trinidad	49.08 278	P	P	16 46 50.4	+0.7
O20A	White River Ci	49.13 284	P	P	16 46 50.1	+0.1
AMTX	Amarillo	49.15 274	eP	P	16 46 51.6	+1.6
AMTX	Amarillo	49.15 274	P	P	16 46 51.5	+1.4
POKR	Poker Plat Res	49.24 329	P	P	16 46 51.2	+1.0
C09A	Chrisman Ranch	49.26 298	eP	P	16 46 51.3	+0.6
SDCO	Gre Sand Dun	49.27 280	P	P	16 46 50.0	-1.2
KBZ	Khabaz	49.32 69	P	P	16 46 51.9	+0.8
IL1	Eielson Array	49.32 328	eP	P	16 46 50.9	+0.1
ILAR	Eielson Array	49.32 328	P	P	16 46 51.3	+0.4
ILAR	comp=Z,0.9nm,0.8s,baz=7.4,slow=3.0,SNR=3.5		PcP	PcP	16 48 11.9	-1.4
ILAR	comp=Z,2.28nm,19.6s,baz=69,slow=36		LR	LR	17 07 29.7	
ILB	Eielson Array	49.32 328	eP	P	16 46 50.9	0.0
B08A	Colville Reser	49.42 299	eP	P	16 46 51.8	-0.2
COLA	College	49.53 329	eP	P	16 46 53.1	+0.6
MDM	Murphy Dome	49.58 329	eP	P	16 46 53.2	+0.3
HDA	Harding Lake	49.60 328	eP	P	16 46 53.7	+0.7
HDA	Harding Lake	49.60 328	P	P	16 46 54.0	+0.9
WRH	Wood River Hill	49.90 329	eP	P	16 46 55.7	+0.5
F10A	Beach Reach, E	49.95 296	eP	P	16 46 57.3	+1.2
S22A	4UR Ranch, Cre	50.01 281	P	P	16 46 56.6	-0.2
HLD	Hailey	50.12 291	eP	P	16 46 58.2	+0.7
HLD	Hailey	50.12 291	P	P	16 46 59.0	+1.5
TCUT	toone Canyon	50.19 287	eP	P	16 46 58.0	-0.1
MLY	Manley	50.26 330	eP	P	16 46 58.4	+0.3
IM3	Indio Mountain	50.36 332	eP	P	16 46 59.1	+0.3
MSTX	Muleshoe	50.43 274	eP	P	16 47 00.7	+0.8
MSTX	Muleshoe	50.43 274	P	P	16 47 00.1	+0.3
HVU	Hartley Valley	50.47 289	eP	P	16 46 59.9	-0.2
SPUT	South Promonto	50.62 288	eP	P	16 47 00.8	-0.4
MCK	McKinley	50.70 328	eP	P	16 47 01.5	+0.1

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DHY	Denali Highway	50.70 327	eP	P	16 47 02.3	+0.7
PV02	Saucer Basin,	50.71 283	eP	P	16 47 02.5	+0.4
PV14	Paradox Valley	50.71 283	eP	P	16 47 03.3	+1.3
PV02	Paradox Valley	50.75 283	eP	P	16 47 03.5	+1.1
BMO						

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like 003E Paynes Creek, GRAC Grapevine Rang, KDAX Kodiak Island, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HHC comp=Z,13nm,0.8s, HHC comp=Z,130nm,5.2s, USRK comp=Z,1.6nm,0.8s, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MJAR Matsushiro Arr, SONM Songoing Array, CMAR Chiang Mai Arr, etc.

ISC/JB 05 17:05:35.42.2.29;7N:0.2:144.2E:0.5, h10km, mb3.6/8, Error ellipse: s-maj=68.5km s-min=16.0km az=162.8

ISC/JB 05 17:11:53.2.0.6.23:32N:0.04:93.04E:0.06, h10km, mb3.6/2, MS3.7/1, Error ellipse: s-maj=7.8km s-min=5.2km az=6.2



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers. Includes stations like HEF, LILU, KIF, ARAO, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers. Includes stations like PAB, EMIJ, ECHE, GUD, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, and various station identifiers. Includes stations like FRU1, ULHL, CHMS, etc.











5d 20h

Table with columns: CId, CIsmpet, Garu, 56.49 268 eP, P, 19 49 17.2 +0.1, RKT, Rikitea, 58.35 110 eS, S, 19 57 30.3 -0.7, RKT, comp=Z, 480nm, 29.5s, eLR, LR, 20 06 34.0, SSE, Sheshan, 59.18 316 eP, P, 19 49 34.6 -1.0, KSRS, Korea Array, 59.27 326 P, P, 19 49 36.8 +0.7, KS15, Wonju Array Si, 59.28 326 eP, P, 19 49 36.3 +0.1, KSAR, Wonju Array Be, 59.28 326 P, P, 19 49 36.8 +0.6, KS01, Wonju Array Si, 59.30 343 eP, P, 19 49 35.2 -1.1, YSS, Yuzh-Sakhalins, 60.84 343 eP, P, 19 49 46.5 -0.1, NJ2, Nanjing, 61.34 316 eP, P, 19 49 50.5 +0.1, NJ2, comp=Z, 8.0nm, 0.6s, 361nm, 1.2s, 61.76 271 eP, P, 19 49 54.0 +0.5, QIZ, Qiongzong, 61.93 298 P, P, 19 49 55.1 +0.5, QIZ, S, S, 19 58 18.3 +1.3, QIZ, SS, SS, 20 02 20.7 +0.8, QIZ, comp=Z, 10.0nm, 1.4s, LR, LR, comp=N, 160nm, 18.1s, LR, LR, comp=E, 230nm, 23.0s, LR, LR, QIZ, comp=Z, 310nm, 24.0s, 61.93 298 eP, P, 19 49 54.7 +0.1, QIAZ, Qiongzong, 62.41 334 eP, P, 19 49 57.0 -0.3, USRK, Ussuriysk Arra, 62.41 334 P, P, 19 49 56.4 +0.9, SMY, Shemya, 63.76 6 eP, P, 19 50 06.4 +0.3, MDJ, Mudanjiang, 63.80 333 eP, P, 19 50 05.6 -0.1, PETK, Petropavlovsk, 63.97 355 eP, P, 19 50 07.4 0.0, PETK, Petropavlovsk, 63.97 355 P, P, 19 50 08.1 +0.6, PEAI, Petropavlovsk, 63.97 355 eP, P, 19 50 08.1 +0.6, KIWB, Kanaga Island, 64.28 12 eP, P, 19 50 09.6 +0.1, ADK, Adak, 64.41 12 eP, P, 19 50 10.2 -0.1, CN2, Changchun, 65.17 329 eP, P, 19 50 15.8 +0.3, CN2, esP, pwP, S, 19 50 33.0 +3.3, CN2, S, S, 19 58 55.2 -1.3, CN2, comp=Z, 10.0nm, 0.6s, pmax, pmax, CN2, comp=Z, 200nm, 3.0s, LR, LR, CN2, comp=N, 270nm, 11.0s, LR, LR, CN2, comp=E, 240nm, 11.0s, LR, LR, IPM, comp=Z, 270nm, 11.0s, 65.47 280 eP, P, 19 50 17.4 -0.7, CASEY, Casey, 66.34 201 eP, P, 19 50 24.9 +2.2, Vnda, Vanda, 66.72 181 eP, P, 19 50 27.2 +2.1, Vnda, Vanda, 66.72 181 P, P, 19 50 27.9 +2.8, Vnda, 9.2nm, 0.9s, baz=338, slow=6.8, SNR=5.6, LR, LR, 20 16 33.1, ENH, comp=Z, 128nm, 18.3s, baz=28, slow=93, 67.18 309 eP, P, 19 50 28.1 -0.7, NONG, Nongkai, 67.45 295 P, P, 19 50 31.2 +0.5, BJT, Baijiatao, 67.83 321 eP, P, 19 50 33.0 +0.4, BJI, Beijing, 67.84 321 eP, P, 19 50 34.4 +1.7, BJI, S, S, 19 59 30.9 +1.9, XAN, Xian, 69.42 313 P, P, 19 50 43.3 +0.5, XAN, pP, pP, 19 50 56.4 -0.5, XAN, sP, sP, 19 51 01.7 -4.3, XAN, comp=Z, 7.0nm, 0.9s, pmax, pmax, XAN, comp=Z, 220nm, 5.8s, pmax, pmax, XAN, Xian, 69.42 313 eP, P, 19 50 42.8 0.0, UTTA, Uttardit, 69.67 294 P, P, 19 50 46.3 +1.8, KMI, Kunming, 70.38 302 P, P, 19 50 50.3 +1.2, KMI, comp=Z, 19nm, 0.8s, pmax, pmax, KMI, comp=Z, 140nm, 4.4s, pmax, pmax, KMI, Kunming, 70.38 302 eP, P, 19 50 48.5 -0.5, FALS, False Pass, 70.61 19 eP, P, 19 50 51.0 +1.5, SPIA, Saint Paul Isl, 70.75 14 eP, P, 19 50 51.1 +0.8, MA2, Magadan, 71.08 352 eP, P, 19 50 53.8 +1.5, HHC, Hu-ho-hao-te, 71.18 320 eP, P, 19 50 55.6 +2.1, HHC, pP, pwP, 19 51 06.4 -1.3, HHC, PcP, PcP, 19 51 31.6 +6.6, HHC, S, S, 20 00 09.1 +0.5, HHC, comp=Z, 16nm, 0.8s, pmax, pmax, HHC, comp=Z, 160nm, 5.2s, LR, LR, HHC, comp=N, 220nm, 10.4s, LR, LR, HHC, comp=E, 350nm, 9.5s, LR, LR, CM01, Chiang Mai Arr, 71.33 294 eP, P, 19 50 54.6 -0.1, CM31, Chiang Mai Arr, 71.35 294 eP, P, 19 50 55.4 +0.6, CMAR, Chiang Mai Arr, 71.35 294 P, P, 19 50 55.6 +0.8, CMAR, 7.3nm, 1.6s, baz=116, slow=4.4, SNR=32, LR, LR, 20 22 52.4, CMMT, Chiang Mai, 71.46 294 P, P, 19 50 55.7 +0.2, CHTO, Chiang Mai, 71.46 294 eP, P, 19 50 54.6 -0.9, CHTO, Chiang Mai, 71.46 294 P, P, 19 50 55.8 +0.3, HIA, Hailar, 71.81 331 eP, P, 19 50 56.3 -0.7, CD2, Chengdu, 71.88 308 eP, S, 19 50 57.6 -0.2, CD2, S, S, 20 00 15.9 -1.1, CD2, comp=Z, 10.0nm, 0.5s, pmax, pmax, CD2, comp=Z, 120nm, 5.0s, LR, LR, CD2, comp=E, 710nm, 17.4s, LR, LR, CD2, comp=Z, 430nm, 17.9s, LR, LR, LZH, Lanzhou, 74.06 312 pP, P, 19 51 12.7 +1.9, LZH, pP, pP, 19 51 26.4 +0.5, LZH, pP, pP, 19 51 31.6 +6.6, LZH, pP, pP, 19 50 06.4 +1.1, LZH, eS, S, 20 00 40.2 -1.6, LZH, sS, sS, 20 01 03.5 +8.1, LZH, comp=Z, 34nm, 1.4s, pmax, pmax, LZH, comp=Z, 190nm, 6.0s, LR, LR, LZH, comp=N, 570nm, 16.3s, LR, LR, LZH, comp=E, 520nm, 16.4s, LR, LR, GAMB, Gambell, 76.47 10 eP, P, 19 51 24.0 +0.3, ULN, Ulanbaatar, 77.68 324 eP, P, 19 51 31.8 +0.6, SONAO, Songino Array, 78.05 324 eP, P, 19 51 33.8 +0.7, SONM, Songino Array, 78.05 324 P, P, 19 51 33.8 +0.6

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Table with columns: SONGAI, Songino Array, 78.05 324 eP, P, 19 51 33.5 +0.2, GTA, Gaotai, 78.37 314 pP, P, 19 51 36.6 +1.4, GTA, pmax, pmax, 19 51 43.8 -0.6, GTA, comp=Z, 7.0nm, 1.2s, pmax, pmax, GTA, comp=Z, 220nm, 5.2s, LR, LR, GTA, comp=N, 180nm, 17.5s, LR, LR, ANA, comp=Z, 270nm, 18.4s, LR, LR, ANA, comp=Z, 320nm, 17.5s, 78.42 13 eP, P, 19 51 35.8 +1.1, BILL, Bilibino, 78.64 0 eP, P, 19 51 36.0 +0.1, QSPA, South Pole Qui, 79.20 180 eP, P, 19 51 40.5 +1.2, SPU, Mount Spurr, 79.31 20 eP, P, 19 51 39.0 -0.7, SHL, Shillong, 79.77 299 eP, P, 19 51 43.0 -0.2, CAST, Castle Rocks, 80.95 18 eP, P, 19 51 48.6 +0.1, RPN, Rapa Nui, 81.33 116 LR, LR, 20 24 20.3, SCV, Sheep Creek Mo, 81.37 21 eP, P, 19 51 49.5 -1.4, DIV, Divide, 81.46 22 eP, P, 19 51 49.9 -1.4, TLY, Talaya, 81.52 326 eP, P, 19 51 51.3 -0.5, LSA, Lassa, 81.61 302 eP, P, 19 51 53.5 +0.2, IM3, Indian Mountai, 82.39 16 eP, P, 19 51 55.6 -0.4, MDM, Murphy Dome, 83.28 18 eP, P, 19 51 59.5 -1.0, HDA, Harding Lake, 83.25 19 eP, P, 19 52 00.1 -0.4, HDA, Harding Lake, 83.25 19 P, P, 19 52 00.7 +0.1, RIDG, Independent'e Rid, 83.50 20 eP, P, 19 52 02.4 +0.5, IL1, Eielson Array, 83.52 19 eP, P, 19 52 00.4 -1.5, ILAR, Eielson Array, 83.52 19 P, P, 19 52 01.9 0.0, ILB, Eielson Array, 83.52 19 eP, P, 19 52 01.5 -0.4, O02D, Mt. Diablo Mer, 83.66 47 P, P, 19 52 04.2 +0.9, K02D, Wilamette Mer, 83.91 45 P, P, 19 52 04.9 +0.4, SCRK, Sand Creek, 83.94 20 eP, P, 19 52 04.5 +0.3, O03E, Paynes Creek, 84.42 47 P, P, 19 52 07.8 +0.7, AFDM, Forest Hills D, 84.59 49 eP, P, 19 52 07.8 -0.2, MAW, Mawson, 84.67 202 LR, LR, 20 24 03.9, CMB, Columbia Cole, 84.74 50 eP, P, 19 52 07.9 -0.9, JIRN, Jiri, 85.24 299 eP, P, 19 52 12.5 +0.6, ISA, Isabella, Lake, 85.50 53 eP, P, 19 52 11.9 -0.8, ISA, Isabella, Lake, 85.50 53 P, P, 19 52 13.0 +0.2, WAKR, Walker, 85.60 50 eP, P, 19 52 13.2 -0.1, DAWY, Dawson, 85.60 21 eP, P, 19 52 13.3 +0.8, EDW2, Edwards Air Fo, 85.66 53 P, P, 19 52 13.6 +0.1, TIXI, Tiksi, 85.72 349 eP, P, 19 52 12.4 -0.4, BFSC, Mount Baldy Ra, 85.75 54 P, P, 19 52 13.5 -0.5, J05D, Fort Rock, OR, 85.79 45 P, P, 19 52 14.4 +0.3, PKI, Pulchoki, 85.89 299 eP, P, 19 52 15.3 +0.2, PKIN, Pulchoki, 85.90 299 eP, P, 19 52 15.3 +0.2, E04D, Cinebar, 85.99 41 P, P, 19 52 15.6 +0.8, PAHR, Pat Rn Range, 86.00 49 eP, P, 19 52 14.6 -0.6, CWC, Cottonwood Cre, 86.03 52 P, P, 19 52 15.1 -0.3, LRMC, Laurel Mtn Rad, 86.07 53 P, P, 19 52 15.9 +0.3, DMN, Daman, 86.16 299 eP, P, 19 52 17.0 +0.6, RYN, Ryan, 86.32 50 eP, P, 19 52 16.6 -0.2, DAC, Darwin (Calif), 86.36 52 eP, P, 19 52 16.8 -0.3, MONPZ, Monument Peak, 86.38 56 P, P, 19 52 17.3 0.0, NV01, Mina Array Sit, 86.54 50 eP, P, 19 52 17.0 -0.4, NVAR, Mina Array Bea, 86.52 50 P, P, 19 52 17.2 -0.1, NVAR, 4.7nm, 1.0s, baz=234, slow=7.7, SNR=16, LR, LR, 20 25 27.8, NV11, Mina Array Sit, 86.54 50 eP, P, 19 52 17.5 -0.3, PFO, Pinyon Flats O, 86.54 55 P, P, 19 52 18.1 +0.2, TPFO, Pinyon Flats, 86.54 55 P, P, 19 52 18.2 +0.2, KVN, Kaiserville, 86.75 49 eP, P, 19 52 18.4 -0.5, HEC, Hector, Ludlow, 86.96 54 P, P, 19 52 20.1 +0.2, FURC, Furnace Creek, 86.98 52 P, P, 19 52 20.1 +0.3, BELC, Belle Mtn. Jos, 87.01 55 P, P, 19 52 20.3 0.0, WVOR, Wild Horse Fl, 87.34 46 P, P, 19 52 21.6 -0.1, GMRC, Granite Mounta, 87.48 54 P, P, 19 52 22.8 +0.2, DANN, Danging, 87.49 299 eP, P, 19 52 23.4 +0.5, KOLN, Koldanda, 87.49 299 eP, P, 19 52 22.5 -0.3, J08A, Circle Bar Ran, 87.73 45 eP, P, 19 52 23.6 +0.1, IRM, Iron Mountain, 87.74 55 P, P, 19 52 24.1 +0.4, G08A, Pilot Rock, 87.97 43 eP, P, 19 52 24.4 -0.2, PYUN, Piuthan, 88.09 299 eP, P, 19 52 25.0 -0.7, WMQ, Urumqi, 88.41 315 eP, pP, 19 52 25.9 -0.8, WMQ, S, S, 19 52 45.9 +4.6, WMQ, comp=Z, 15nm, 1.5s, LR, LR, WMQ, comp=N, 290nm, 15.9s, LR, LR, WMQ, comp=E, 290nm, 17.9s, LR, LR, R11A, comp=Z, 280nm, 18.9s, 88.46 51 eP, P, 19 52 26.9 -0.2, R11A, 3.3nm, 1.2s, 88.46 51 P, P, 19 52 27.4 +0.2, PDMCI, Parker Dam, Lak, 88.58 55 P, P, 19 52 28.2 +0.7, W13A, Hualapai Mount, 88.57 54 eP, P, 19 52 29.6 -0.1, 214A, Organ Pipe Nat, 89.11 57 P, P, 19 52 31.2 +1.1, ELK, Elko, 89.33 48 eP, P, 19 52 31.1 -0.1, LCMT, Little Creek M, 89.93 52 eP, P, 19 52 34.2 +0.2, CCUT, Cedar City, 89.97 52 eP, P, 19 52 34.9 +0.6, SZCU, Shurtz Canyon, 90.19 52 eP, P, 19 52 35.3 0.0, KNB, Knap, 90.26 52 eP, P, 19 52 36.3 +0.7, U15A, North Rim, 90.54 53 eP, P, 19 52 37.1 0.0, HLID, Hailey, 90.63 46 eP, P, 19 52 37.6 +0.4

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Table with columns: HLID, Hailey, 90.63 46 P, P, 19 52 37.8 +0.6, PKCU, Pink Cliffs, 90.75 52 eP, P, 19 52 37.9 -0.2, X16A, Lo Mia Camp, P, 90.78 55 eP, P, 19 52 38.1 0.0, MTPU, Mount Pierson, 90.99 52 eP, P, 19 52 39.8 +0.6, DUG, Dugway, Tooele, 90.99 49 P, P, 19 52 39.4 +0.5, WUAZ, Wupatki, 91.07 54 eP, P, 19 52 39.4 0.0, WUAZ, Wupatki, 91.07 54 P, P, 19 52 40.0 +0.6, MSU, Marysvale, 91.10 51 eP, P, 19 52 40.2 +0.7, HVS, Hansen Valley, 91.38 48 eP, P, 19 52 40.6 -0.2, NLU, North Lily Min, 91.49 50 eP, P, 19 52 41.3 0.0, SYO, Syowa Base, 91.80 197 eP, P, 19 52 40.6 -1.3, SYO, Syowa Base, 91.80 197 eP, P, 19 52 40.2 +0.1, DLMT, Dillon, 92.32 44 eP, P, 19 52 44.9 -0.1, LRM, Limekiln Ridge, 92.52 44 eP, P, 19 52 45.5 -0.4, MKK1, Makanchi Array, 92.84 317 eP, P, 19 52 46.2 -1.0, MKK3, Makanchi Array, 92.85 317 eP, P, 19 52 46.2 -1.0, MKK2, Makanchi Array, 92.85 317 eP, P, 19 52 47.2 0.0, MKAR, Makanchi Array, 92.85 317 eP, PKKPdf, PKKPdf, 19 52 46.1 -1.1, MKAR, Makanchi Array, 92.85 317 PKKPdf, PKKPdf, 20 09 58.0 -0.1, MKAR, Makanchi Array, 92.85 317, 5.2nm, 1.0s, baz=30, slow=4.3, SNR=3.0, PKKPdf, PKKPdf, 20 09 58.0 -0.1, ZAAO, Zalesovo Array, 92.94 324 eP, P, 19 52 46.4 -1.0, ZALV, Zalesovo Beam, 92.94 324 eP, P, 19 52 46.4 -1.0, ZALV, Zalesovo Beam, 92.94 324 P, P, 19 52 46.6 -0.7, ZAA1, Zalesovo Array, 92.94 324 eP, P, 19 52 46.6 -0.7, BOZ, Bozeman (W), 93.03 44 eP, P, 19 52 48.4 +0.1, BOZ, Bozeman (W), 93.03 44 P, P, 19 52 48.9 +0.7, FWXY, Fox Creek, 93.05 46 eP, P, 19 52 48.4 -0.1, MAKZ, Makanchi, 93.06 317 eP, P, 19 52 48.0 -0.2, BW06, Boulder Array, 93.92 47 P, P, 19 52 52.5 0.0, PD31, Pinedale Array, 93.92 47 eP, P, 19 52 51.9 -0.7, PDAR, Pinedale Array, 93.92 47 eP, P, 19 52 51.2 -1.3, PDAR, Pinedale Array, 93.92 47 P, P, 19 52 52.1 -0.4, YKA, Yellowknife Ar, 95.09 27 P, P, 19 52 55.2 -1.8, YKB, Yellowknife Ar, 95.09 27 P, P, 19 52 55.2 -1.9, NRKS, Noril'sk, 95.65 340 eP, P, 19 52 58.3 -1.2, KURK, Kurchatov, 95.99 320 eP, P, 19 53 02.3 +0.9, KURB, Kurchatov Arra, 96.03 320 P, P, 19 53 02.3 +0.7, KASH, Kashi, 96.04 309 P, P, 19 53 04.6 +2.5, KSH, Kashi, pP, pwP, 19 53 18.7 +1.9, KSH, Kashi, pP, PP, 19 57 01.2 +6.1, LTX, Lajitas, 96.35 61 eP, P, 19 53 03.2 -0.6, TXAR, Lajitas Array, 96.35 61 P, P, 19 53 03.2 -0.6, TXAR, 0.2nm, 0.6s, baz=208, slow=1.7, SNR=2.4, LR, LR, 20 28 26.6, SSPA, Standing Stone, 117.48 50 ePKPdf, PKPdf, 19 58 17.2 -3.2, LPZ, La Paz, 120.94 116 PKP, PKKPdf, 19 58 29.6 +0.9, LPZ, La Paz, 120.94 116 PKP, pPKPdf, PKKPdf, 19 58 36.6 +1.2, LPZ, La Paz, 120.94 116 PKP, PKKPdf, 19 58 27.7 +0.5, FIAO, FINESS Array S, 121.28 338 ePKPdf, PKKPdf, 19 58 27.7 +0.5, FINES, FINESS Array B, 121.28 338 PKP, PKKPdf, 19 58 27.7 +0.5, CPUP, Villa Florida, 124.72 133 ePKPdf, PKKPdf, 19 58 34.0 +0.3, CPUP, Villa Florida, 124.72 133 PKP, PKKPdf, 19 58 35.0 +0.3, AKASO, Malin Array Be, 126.27 327 PKP, PKKPdf, 19 58 38.1 +0.7, AK11, Malin Array Si, 126.31 327 ePKPdf, PKKPdf, 19 58 36.8 -0.2, BR10, Keskin Array S, 128.27 313 ePKPdf, PKKPdf, 19 58 41.9 -0.1, BRTR, Keskin Array B, 128.27 313 PKP, PKKPdf, 19 58 41.9 -0.1, GEC2, GERES Array S, 135.17 333 ePKPdf, PKKPdf, 19 58 54.8 -0.7, GERES, GERES Array B, 135.17 333 PKP, PKKPdf, 19 58 54.8 -0.7, ES19, SONSECA Array, 149.58 343 ePKPdf, PKKPdf, 19 59 18.2 -1.5, ES19, SONSECA Array, 149.58 343 ePKPdf, PKKPdf, 19 59 23.2 -1.0, ESDC, Sonseca Array, 149.62 343 ePKPdf, PKKPdf, 19 59 23.5 -0.9, TOAO, Torodi Ar. Sit, 163.51 280 ePKPdf, PKKPdf, 19 59 38.6 +0.4, TORO, Torodi Ar. Bea, 163.51 280 PKP, PKKPdf, 19 59 39.2 +1.1, TOA1, Torodi Ar. Sit, 163.51 280 ePKPdf, PKKPdf, 19 59 39.2 +1.1

IDC 05 19:55:28.3:1.9, 1.33N:127.12E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.4/46, mbtmp3.4/4, Error ellipse: s-maj=179.2km s-min=21.2km az=67.0, ISC/JB 05 19:55:33.3:1.3, 0.8N:0.1, 126.2E:0.1, h39km, mb3.3/4, Error ellipse: s-maj=20.8km s-min=13.2km az=32.2, DJA 05 19:55:36.0:0.4, 1.1N:4.12E, h40km, M3.7/9, MLv3.7/9, ISC 05 19:55:34.7:1.4, 1.0N:0.2, 126.3E:0.2, h39km, n10, mb166.7, mb3.4/4, Northern Bouleau Sea

Table with columns: Code, Station Name, A, AZ, Phase ID, Time Res, h, m, s, ISC, HNR, Honiara, 5.27 283 eP, P, 20 02 11.1 -0.8, HNR, Honiara, 5.27 283 eS, Sn, 20 03 11.5 +0.1, HNR, Honiara, 5.27 283 eS, Sn, 20 03 11.7 +0.3, HNR, Honiara, 5.27 283 Pn, Sn, 20 02 11.0 -0.8, HNR, Honiara, 5.27 283 Pn, Sn, 20 03 11.7 +0.3, DZM, Mont Dzumac, 11.43 174 ePn, Pn, 20 03 35.3 -1.0, DZM, Mont Dzumac, 11.43 174 eS, Sn, 20 03 36.0 +3.2, DZM, Mont Dzumac, 11.43 174 Pn, Pn, 20 03 36.7 +0.3, OUENC, Ouen Island, N, 11.82 172 ePn, Pn, 20 03 36.5 -5.1, OUENC, Ouen Island, N, 11.82 172 eS, Sn, 20 03 36.6 +8.9, PINNC, Pines Island, N, 12.10 170 ePn, Pn, 20 05 53.7 -5.4, PINNC, Pines Island, N, 12.10 170 eS, Sn, 20 05 35.1 +2.8, CTAO, Chaters Tower, 20.49 240 eP, P, 20 07 05.1 +2.1, STKA, Stephens Creek, 30.34 222 eP, P, 20 07 05.8 +2.7, STKA, Stephens Creek, 30.34 222 P, P, 20 07 05.8 +2.7, WRAB, Tarrant Creek, 31.07 249 eP, P, 20 07 07.8 -1.9, WRAB, Tarrant Creek, 31.07 249 P, P, 20 07 07.8 -1.9, WB2, Warramunga Arr, 31.07 249 eP, P, 20 07 09.9 +0.2





5d 21h

EQUE	0.7nm,0.2s,SNR=16	Lg	Lg	21	23	46.6
EADA	Adamuz 16nm,0.5s,SNR=9.6	1.04	Pg	Pg	21	23 38.8 -1.1
EADA	Sierra Gorda 4.4nm,0.1s,SNR=32	1.15	216	Pg	Pg	21 23 41.4 -0.6
EGOR	Los Guajares 0.3nm,0.6s,SNR=7.9		Lg	Lg	21	23 59.2
EGOR	Berja 22nm,0.3s,SNR=9.9	1.19	165	Pg	Pg	21 23 42.1 -0.6
EBER	Berja 5.3nm,0.5s,SNR=7.3		Lg	Lg	21	23 59.2
ELGU	Los Guajares 2.7nm,0.4s,SNR=7.9	1.21	194	Pg	Pg	21 23 42.4 -0.8
ELGU	Tobarra 27nm,0.3s,SNR=7.9		Lg	Lg	21	23 59.0
ETOB	Tobarra 3.9nm,0.3s,SNR=14	1.48	66	Pg	Pn	21 23 47.3 -0.3
ETOB	La Murta 9.2nm,0.1s,SNR=8.4		Lg	Lg	21	24 06.6
EMUR	La Murta 0.6nm,0.5s,SNR=7.7	1.62	97	Pg	Pn	21 23 49.5 0.0
EMUR	San Pablo 23nm,0.3s,SNR=4.7		Lg	Lg	21	24 11.1
ECAB	El Cabril 0.6nm,0.1s,SNR=7.9	1.70	272	Pn	Pn	21 23 48.6 -1.9
ECAB	Sonseca Array 1.6nm,0.3s,SNR=6.3		Pg	Pb	21	23 51.3 -0.5
ECAB	Sonseca Array 11nm,0.1s,SNR=5.0	1.71	342	Pg	Pn	21 23 51.2 +0.4
ESDC	Sonseca Array 1.4nm,0.2s,baz=162,slow=18,SNR=20		Lg	Lg	21	24 13.6
ESDC	San Pablo 7.3nm,0.3s,baz=162,slow=30,SNR=36	1.72	331	Pg	Pn	21 23 51.3 +0.4
PAB	San Pablo 0.2nm,0.2s,SNR=7.9		Lg	Lg	21	24 10.4
PAB	Mijas 12nm,0.2s,SNR=7.9	1.90	219	Pg	Pb	21 23 55.4 +0.1
EMIJ	Mijas 0.5nm,0.5s,SNR=8.1		Lg	Lg	21	24 21.6
EMIJ	Aljibe 94nm,0.5s,SNR=18		Lg	Lg	21	24 21.6

IGL 05 21:23:47.8, 38:06N,3:29W, h0km, ML3.5  
 SFS 05 21:23:48.0, 38:00N:3:20W, ML3.4, SABIOTE (JAEN)  
 MDD 05 21:23:48.9, 0.1, 38:04N:3:28W, h3km, mblg3, 7/25,  
 Error ellipse: s-maj=1.4km s-min=1.2km az=46.0, PRXIMO  
 MDD EMS: IV-V INTENSIDAD MAXIMA  
 LDG 05 21:23:49.2, 0.1, 38:04N:3:26W, h2km, M3.5/10, Error  
 ellipse: s-maj=2.4km s-min=1.8km az=154.0  
 INMG 05 21:23:49.0, 1.5, 38:05N:3:28W, h4km, 2/20, Error  
 ellipse: s-maj=1.6km s-min=1.4km az=72.0  
 CNRM 05 21:23:52.2, 37:79N, 3:12W, h0km, M3.8  
 ISC 05 21:23:47.7, 1.1, 38:12N,0:02,3:28W,0.01, h7km,9km,  
 n139, e178/240, 2C-3D, Spain

Code	Station Name	Δ° AZ°	Phase ID	Time	Res
				h m s	ISC
EQES	Quesada	0.36 153	Op	21	23 54.1 -0.6
EQES	Santiago Espad	0.58 90	↑Pg	Pb	21 23 59.8 -0.5
EQES	Santiago Espad	0.58 90	P	Pn	21 24 01.3 -1.2
EQES	Gorafe	0.67 164	↑Pg	Sb	21 24 10.2 +1.5
EQES	Quesada	0.92 188	Pg	Pg	21 24 04.2 -1.3
EQES	Adamuz	1.03 273	↑Pg	Pg	21 24 07.8 +0.4
EQES	Sierra Gorda	1.21 213	Pg	Pb	21 24 10.2 -0.8
EQES	Berja	1.26 166	Pg	Lg	21 24 11.2 -0.7
EQES	Los Guajares	1.28 193	Pg	Pn	21 24 11.0 -1.1
EQES	Tobarra	1.46 68	↑Pg	Pg	21 24 16.4 +0.8
EQES	Hornachuelo	1.59 261	P	Pg	21 24 18.4 +0.3
EQES	La Murta	1.63 99	Pg	Pb	21 24 18.6 +0.4
EQES	Malaga-Limoner	1.64 214	eP	Pn	21 24 17.4 +0.5
EQES	Sonseca Array	1.64 341	Pg	Pb	21 24 20.3 +1.2
EQES	San Pablo	1.65 330	Pg	Pg	21 24 20.5 +1.1
EQES	Mijas	1.96 218	Pn	Pb	21 24 19.0 -2.4
EQES	Cartagena	1.88 106	Pn	Pn	21 24 21.1 +0.8
EQES	Cartagena	1.88 106	eS	Pn	21 24 45.3 -0.7
EQES	Mijas	1.96 218	Pn	Pb	21 24 19.0 -2.4
EQES	Lijar	2.08 235	Pn	Pn	21 24 23.2 +0.1
EQES	Lijar	2.08 235	iP	Pn	21 24 23.0 +1.7
EQES	Lijar	2.08 235	eS	Pn	21 24 48.0 +1.3
EQES	Universidad Co	2.18 1	eS	Pg	21 24 30.7 +1.2
EQES	Reales	2.25 224	Pn	Pb	21 24 28.8 +0.1
EQES	Reales	2.25 224	eP	Pb	21 24 28.8 +0.1
EQES	Reales	2.25 224	eS	Pb	21 24 28.8 +0.1
EQES	Chera	2.32 50	Pn	Pn	21 24 27.0 +0.6
EQES	Espera	2.40 239	Pn	Pn	21 24 27.4 0.0
EQES	Espera	2.40 239	Pn	Pn	21 24 34.0 +0.3
EQES	Espera	2.40 239	Pn	Pn	21 24 57.0 -2.4
EQES	Jimena Fronter	2.42 227	Pg	Pb	21 24 31.9 +0.4
EQES	Aljibe	2.47 231	eP	Pg	21 24 37.0 +2.0

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ALJ	Beniarda presa	2.49	76	eS	Pn	21	25	02.0 -1.1
EBEN2	7.4nm,0.3s,SNR=7.9		Pg	Pg	21	24 29.2 +0.5		
EBEN2	72nm,0.2s,SNR=7.9		Pg	Pg	21	24 35.7 +0.4		
EBEN2	95nm,0.3s,SNR=7.9	2.50	240	eS	Sg	21	25 10.4 +2.5	
GIBL	Gabalbin	2.61	345	eS	Pg	21	24 38.1 +0.4	
GUD	Guadarrama		Pn	Pn	21	25 01.3 +0.7		
GUD	197nm,0.4s,SNR=7.9		Lg	Lg	21	25 12.9		
EMIN	Mina Concepcio	2.71	264	Pn	Pn	21	24 31.4 -0.2	
EMIN	18nm,0.2s,SNR=7.9		Pg	Pg	21	24 39.1 -0.5		
EMIN	2.7nm,0.3s,SNR=7.9		Lg	Lg	21	25 02.5 -2.1		
EMIN	270nm,0.5s,SNR=7.9	2.77	217	P	Pn	21	24 34.9 +2.4	
CEUT	Ceuta	2.78	218	eP	Pb	21	25 04.0 +1.1	
CEU	Ceuta	2.82	233	eP	Pg	21	25 04.0 -0.9	
CNII	Conil	2.82	233	eS	Pg	21	25 04.0 -1.7	
CNII	Conil	2.92	175	eS	Pg	21	24 45.0 +3.2	
GOG	Mont Gurugu	2.92	175	P	Pn	21	25 10.2 +2.8	
GOG	Plasencia	2.92	313	Pn	Pn	21	25 08.0 -1.6	
EPLA	0.0nm,0.3s,SNR=7.9		Pg	Pg	21	24 35.0 +0.4		
EPLA	19nm,0.1s,SNR=7.9		Pg	Pg	21	24 43.2 -0.5		
EPLA	14nm,0.4s,SNR=7.9		Pg	Pg	21	25 07.7 -2.3		
EPLA	61nm,0.2s,SNR=7.9		Lg	Lg	21	25 20.4		
PALE	Palemas	2.95	191	P	Pn	21	25 37.3 +2.3	
SMIR	Smir Dam	2.96	215	P	Pn	21	25 08.5 -2.1	
PBAR	Barrancos	2.97	272	ePn	Pn	21	24 38.5 -2.3	
PBAR	Barrancos	3.00	283	Pn	Pn	21	24 35.9 +0.7	
EBAD	3.8nm,0.4s,SNR=7.9		Pg	Pg	21	25 23.1 +0.1		
EBAD	48nm,0.2s,SNR=7.9		Pg	Pg	21	25 27.8		
EMOS	Mosqueruela	3.12	43	Pn	Pn	21	24 44.3 -0.9	
EMOS	0.7nm,0.3s,SNR=7.9		Pg	Pg	21	25 00.7 -3.2		
EMOS	10.0nm,0.2s,SNR=7.9		Lg	Lg	21	25 08.7 -3.2		
EMOS	9.0nm,0.2s,SNR=7.9		Lg	Lg	21	25 24.6		
EMOS	73nm,0.3s,SNR=7.9	3.17	168	P	Pn	21	24 38.9 +1.4	
TAF	Taforal	3.37	168	P	Pn	21	24 48.1 +0.6	
TAF	Taforal	3.38	261	Pn	Pn	21	25 12.9 -2.3	
EGRO	Ei Granado	3.47	293	ePn	Pn	21	25 30.0	
EGRO	5.7nm,0.2s,SNR=7.9		Pg	Pg	21	24 42.6 +1.7		
EGRO	7.5nm,0.2s,SNR=7.9		Pg	Pg	21	25 18.0 -3.2		
EGRO	297nm,0.7s,SNR=7.9	3.46	284	ePn	Pn	21	24 40.2 -0.7	
PESTR	Estremoz	3.46	284	ePn	Pn	21	24 51.1 -1.4	
PESTR	Estremoz	3.46	284	ePn	Pn	21	25 19.5 -1.8	
PESTR	Estremoz	3.46	284	ePn	Pn	21	25 34.3	
PESTR	Estremoz	3.46	284	ePn	Pn	21	24 43.3 +1.2	
PESTR	Estremoz	3.46	284	ePn	Pn	21	24 52.6 -1.5	
PESTR	Estremoz	3.46	284	ePn	Pn	21	25 36.9 -2.1	
PESTR	Estremoz	3.46	284	ePn	Pn	21	25 45.6	
PESTR	Estremoz	3.46	284	ePn	Pn	21	24 49.7 +0.3	
PESTR	Estremoz	3.46	284	ePn	Pn	21	25 34.5 +2.8	
PMRV	Marv???	3.47	293	ePn	Pn	21	24 43.9 +1.7	
PMRV	Marv???	3.47	293	ePn	Pn	21	24 53.5 -0.7	
PMRV	Marv???	3.47	293	ePn	Pn	21	25 07.9 -1.3	
PMRV	Marv???	3.47	293	ePn	Pn	21	25 42.4	
PMRV	Marv???	3.47	293	ePn	Pn	21	24 43.9 +1.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 53.5 -0.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	25 07.9 -1.3	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 43.9 +1.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 53.5 -0.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	25 07.9 -1.3	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 43.9 +1.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 53.5 -0.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	25 07.9 -1.3	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 43.9 +1.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 53.5 -0.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	25 07.9 -1.3	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 43.9 +1.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 53.5 -0.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	25 07.9 -1.3	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 43.9 +1.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 53.5 -0.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	25 07.9 -1.3	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 43.9 +1.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 53.5 -0.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	25 07.9 -1.3	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 43.9 +1.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 53.5 -0.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	25 07.9 -1.3	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 43.9 +1.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 53.5 -0.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	25 07.9 -1.3	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 43.9 +1.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 53.5 -0.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	25 07.9 -1.3	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 43.9 +1.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 53.5 -0.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	25 07.9 -1.3	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 43.9 +1.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 53.5 -0.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	25 07.9 -1.3	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 43.9 +1.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 53.5 -0.7	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	25 07.9 -1.3	
PVAQ	Vaqueiros	3.59	260	ePn	Pn	21	24 43.9 +1	

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like EADA Adamuz, EBER Berja, EGOR Sierra Gorda, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like EARA Aranguren, PMAFR Mafrá, ETOS Mallorca, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SOH Sokhos, SOH Sokhos, SOH Sokhos, etc.











MDJ	comp=Z,62nm,1.0s	LR	LR		
PEA08	comp=Z,7µm,19.0s				
PETK	Petrovavlovsk- comp=Z,174nm,1.4s	63.97 355 eP	P	00 17 56.5 +1.1	
PETK	Petrovavlovsk- comp=Z,174nm,1.4s	63.97 355 eP	P	00 17 56.4 +0.9	
PETK	Petrovavlovsk- comp=Z,174nm,1.4s	63.97 355 eP	P	00 17 56.4 +0.9	
PETK	Petrovavlovsk- comp=Z,29nm,0.9s,baz=154,slow=8.3,SNR=17	63.97 355 P	P	00 17 56.9 +1.5	
PETK	comp=Z,8µm,21.3s,baz=179,slow=31			00 40 21.9	
DL2	Dalian	64.02 323 P	P	00 17 56.5 +0.4	
DL2	comp=Z,100nm,0.8s			00 26 36.3 +3.5	
DL2	comp=Z,2µm,6.5s				
DL2	comp=Z,4µm,17.5s				
DL2	comp=Z,3µm,19.8s				
DL2	comp=Z,8µm,19.6s				
ADK	Adak	64.31 12 PFAKE	LR	00 18 10.0 +12	
ADK	Adak				
TYV	Tymovskoe	64.48 344 eP	P	00 17 58.4 -0.4	
TYV	comp=Z,12µm,21.0s			00 26 38.5 +0.5	
TYV	comp=Z,39nm,1.6s				
TYV	comp=Z,2µm,6.2s				
TYV	comp=E,3µm,9.1s				
TYV	comp=N,6µm,19.0s				
TYV	comp=Z,8µm,19.0s				
SNY	Shenyang	64.89 327 P	P	00 18 01.3 -0.4	
SNY				00 20 26.6 +2.0	
SNY				00 26 46.9 +3.5	
SNY				00 30 53.4 -1.9	
SNY	comp=Z,26nm,0.7s				
SNY	comp=Z,2µm,8.8s				
SNY	comp=Z,9µm,17.5s				
SNY	comp=Z,8µm,20.2s				
SNY	comp=Z,10µm,22.8s				
TIA	Taian	65.15 318 P	P	00 18 02.7 -0.8	
TIA	comp=Z,920nm,8.4s			00 26 46.7 -0.1	
TIA	comp=Z,3µm,18.6s				
TIA	comp=Z,4µm,20.1s				
TIA	comp=Z,6µm,21.6s				
ATKA	Atka Island	65.16 14 eP	P	00 18 04.2 +0.9	
ATKA	comp=Z,218nm,1.7s				
CN2	Changchun	65.31 329 eP	P	00 18 05.1 +0.7	
CN2	comp=Z,29nm,1.1s,comp=Z,879nm			00 18 09.9 +1.3	
CN2	comp=Z,54nm,0.9s			00 18 12.0 +5.0	
CN2	comp=Z,2µm,6.5s			00 20 31.7 +3.4	
CN2	comp=Z,80nm,0.8s			00 26 48.1 -0.4	
CN2	comp=Z,2µm,7.0s			00 30 59.6 -2.2	
CN2	comp=Z,7µm,17.0s				
CN2	comp=Z,6µm,17.0s				
CN2	comp=Z,9µm,18.0s				
IPM	Ipo	65.77 280 eP	P	00 18 07.8 -0.3	
IPM	comp=Z,54nm,0.9s				
GRNR	Gornyy	66.26 340 eP	P	00 18 12.3 +1.9	
GRNR	comp=Z,46nm,1.0s				
KULM	Kulim	66.33 281 eP	P	00 18 11.7 +0.1	
KULM	comp=Z,65nm,1.4s				
CASY	Casey	66.48 201 eP	P	00 18 10.7 -0.9	
CASY	comp=Z,51nm,0.7s				
CASY	comp=Z,931nm,19.0s				
SKNT	Sakolnako	66.61 294 P	P	00 18 13.6 +0.3	
SKNT	comp=Z,29nm,1.1s,comp=Z,879nm				
KLR	Kuldur	66.65 337 P	P	00 18 13.2 +0.2	
KLR	comp=Z,49nm,0.8s,baz=146,slow=5.4,SNR=27				
KLR	comp=Z,0.4nm,0.6s,baz=253,slow=23,SNR=2.0			00 27 12.8 +8.1	
KLR	comp=Z,5µm,19.2s,baz=148,slow=35			00 45 44.6	
VNDA	Vanda	66.75 181 eP	P	00 18 13.0 -0.2	
VNDA	comp=Z,138nm,1.4s				
VNDA	comp=Z,80nm,1.3s,baz=5.3,slow=5.7,SNR=9.1			00 27 07.7 +2.5	
VNDA	comp=Z,4.3nm,1.1s,baz=8.9,slow=22,SNR=1.9			00 18 12.8 -0.4	
VNDA	comp=Z,5µm,18.1s,baz=1.0,slow=35			00 27 07.7 +2.5	
VNDA	comp=Z,5µm,18.1s,baz=1.0,slow=35			00 45 53.3	
COCO	West Island	66.97 261 PFAKE	LR	00 18 30.0 +14	
COCO	comp=Z,7µm,19.0s				
SBA	Scott Base	67.06 180 eP	LR	00 18 14.8 -0.4	
SBA	comp=Z,5µm,19.0s				
SBA	comp=Z,5µm,19.0s				
SKL	Nikolayevsk	67.08 344 eP	P	00 18 14.0 -1.5	
SKL	comp=Z,93nm,0.9s			00 27 06.0	
SKL	comp=Z,300nm,7.0s				
NIKH	Nikolski High	67.24 17 eP	P	00 18 17.0 +0.5	
NIKH	comp=Z,117nm,0.8s				
ENH	Enshi	67.41 309 eP	P	00 18 17.7 -0.5	
ENH	comp=Z,76nm,0.9s				
ENH	comp=Z,5µm,21.0s				
SRAK	Srakaw	67.42 290 P	P	00 18 17.7 -0.8	
SRAK	comp=Z,30nm,1.3s,comp=Z,535nm				
NONG	Nongkai	67.73 295 P	P	00 18 21.0 +0.6	
NONG	comp=Z,1.4nm,1.0s				
TRTT	Trang	67.89 283 P	P	00 18 25.1 +3.6	
TRTT	comp=Z,11nm,1.2s,comp=Z,936nm				
GYA	Guiyang	67.93 304 P	P	00 18 22.2 +0.5	
GYA	comp=Z,30nm,0.9s			00 20 56.0 +4.3	
GYA	comp=Z,30nm,0.9s			00 27 22.0 +0.8	
GYA	comp=Z,2µm,8.1s			00 28 18.5 -0.5	
GYA	comp=Z,3µm,19.5s				
GYA	comp=Z,5µm,20.5s				
GYA	comp=Z,6µm,22.3s				
BJT	Baijatuau	68.01 321 eP	P	00 18 21.6 -0.1	
BJT	comp=Z,246nm,2.0s				
BJT	comp=Z,12µm,20.0s				
BJT	comp=Z,246nm,2.0s				
BJT	comp=Z,12µm,20.0s				
BJI	Beijing	68.02 321 P	P	00 18 21.5 -0.3	
BJI	comp=Z,33nm,1.4s			00 27 24.4 +2.9	
BJI	comp=Z,5µm,20.1s			00 31 45.8 +1.8	

BJI	comp=Z,6µm,19.6s	LR	LR		
CHAI	Changchun	68.06 292 P	P	00 18 23.8 +1.3	
CHAI	comp=Z,5.5nm,0.7s,comp=Z,101nm				
PATY	Pattaya	68.18 289 P	P	00 18 31.2 +7.9	
PATY	Gunungsitoli	68.43 276 eP	P	00 18 24.9 -0.1	
UNV	Unalaska Valle	68.68 17 eP	P	00 18 26.7 +1.1	
UNV	comp=Z,52nm,0.8s				
TIY	Taiyuan	69.09 317 P	P	00 18 30.0 +1.4	
TIY	comp=Z,45nm,1.0s			00 27 35.1 +0.6	
TIY	comp=Z,50nm,1.3s			00 28 20.9 +0.6	
TIY	comp=Z,2µm,6.8s				
TIY	comp=Z,7µm,21.0s				
TIY	comp=Z,4µm,15.1s				
TIY	comp=Z,11µm,22.2s				
PBKT	Sadao Pong	69.20 292 P	P	00 18 30.7 +1.1	
PBKT	comp=Z,35nm,2.3s,comp=Z,2µm				
PHET	Kaeng Krachan	69.33 288 P	P	00 18 34.4 +3.9	
PHET	comp=Z,7.9nm,1.0s				
XAN	Xian	69.64 312 P	P	00 18 32.6 +0.5	
XAN	comp=Z,41nm,1.0s			00 18 41.6 +5.3	
XAN	comp=Z,2µm,9.0s			00 18 46.1 -9.0	
XAN	comp=Z,4µm,17.3s			00 21 02.4 -3.9	
XAN	comp=Z,4µm,19.2s			00 23 02.7	
XAN	comp=Z,7µm,19.6s			00 27 34.8 +3.1	
XAN	comp=Z,7µm,19.6s			00 28 26.5 +5.3	
XAN	comp=Z,7µm,19.6s			00 32 07.7 -1.8	
XAN	Xian	69.64 312 eP	P	00 18 32.1 0.0	
XAN	Xian	69.64 312 eP	P	00 18 32.1 0.0	
UTTA	Utтарид	69.95 293 P	P	00 18 36.4 +2.1	
UTTA	comp=Z,4.7nm,0.8s,comp=Z,91nm				
SRDT	SRDT	70.22 290 P	P	00 18 37.4 +1.5	
SRDT	comp=Z,33nm,1.2s,comp=Z,3µm				
UTHA	Uthairai	70.25 291 P	P	00 18 38.3 +2.0	
UTHA	comp=Z,7.7nm,1.1s,comp=Z,157nm				
KMI	Kunming	70.64 301 P	P	00 18 36.3 -2.3	
KMI	comp=Z,2µm,9.2s			00 18 40.1 -0.4	
KMI	comp=Z,4µm,16.2s			00 18 43.8 +1.0	
KMI	comp=Z,6µm,20.3s			00 21 02.4 -3.9	
KMI	comp=Z,8µm,20.7s			00 27 34.8 +3.1	
KMI	Kunming	70.64 301 eP	P	00 18 38.0 -0.6	
KMI	comp=Z,244nm,1.6s			00 28 04.3 +7.7	
KMI	comp=Z,244nm,1.6s			00 32 03.7 -1.7	
SUKH	Sukhothai	70.70 293 P	P	00 18 44.2 +5.3	
SUKH	comp=Z,6.4nm,1.0s				
UMPA	Umpang Tak	71.01 291 P	P	00 18 50.9 +1.0	
MA2	Magadan	71.09 352 P	P	00 18 39.3 -1.1	
MA2	comp=Z,13µm,22.0s				
MA2	Magadan	71.09 352 P	P	00 18 39.4 -1.0	
MA2	comp=Z,14nm,1.4s				
MA2	Magadan	71.09 352 P	P	00 18 39.3 -1.1	
MA2	comp=Z,2.4nm,0.4s,baz=160,slow=13,SNR=3.8				
HHC	Hu-ho-hao	71.37 320 P	P	00 18 44.4 +1.8	
HHC	comp=Z,29nm,1.5s			00 18 49.0 +2.2	
HHC	comp=Z,2µm,5.8s			00 18 51.5 +6.3	
HHC	comp=Z,7µm,19.6s			00 21 02.4 -3.9	
HHC	comp=Z,6µm,21.6s			00 28 01.4 +0.3	
HHC	comp=Z,11µm,20.6s			00 32 38.2 +2.3	
CM01	Chiang Mai Arr	71.61 294 eP	P	00 18 44.2 -0.1	
CM31	Chiang Mai Arr	71.63 294 eP	P	00 18 44.2 -0.3	
CMAR	Chiang Mai Arr	71.63 294 P	P	00 18 45.6 +1.1	
CMAR	comp=Z,4.7nm,0.7s,baz=118,slow=4.2,SNR=28				
CMAR	comp=Z,0.8nm,0.4s,baz=42,slow=9.6,SNR=5.0			00 28 07.3 +2.6	
CMAR	comp=Z,0.5nm,0.3s,baz=285,slow=5.2,SNR=4.6			00 46 40.8	
CMAR	comp=Z,1µm,20.1s,baz=114,slow=36			00 49 48.6	
CMMT	Chiang Mai	71.74 294 P	P	00 18 45.8 +0.6	
CMMT	comp=Z,39nm,1.2s,comp=Z,2µm				
CHTO	Chiang Mai	71.74 294 eP	P	00 18 45.0 -0.1	
CHTO	comp=Z,53nm,1.3s				
CHTO	comp=Z,4µm,21.0s				
CHTO	Chiang Mai	71.74 294 P	P	00 18 45.1 -0.1	
CHTO	comp=Z,53nm,1.3s				
CHTO	comp=Z,4µm,21.0s				
CHTO	Chiang Mai	71.74 294 P	P	00 18 45.9 +0.7	
HIA	Hailar	71.94 331 eP	P	00 18 46.5 +0.7	
HIA	comp=Z,120nm,1.4s				
HIA	comp=Z,5µm,19.0s				
HIA	comp=Z,5µm,19.0s				
HIA	comp=Z,45nm,1.0s				
ZEA	Zeya	71.94 337 eP	P	00 18 43.2 -2.4	
ZEA	comp=Z,2µm,8.0s			00 19 02.0	
ZEA	comp=N,700nm,9.0s			00 28 12.5 +5.5	
ZEA	comp=Z,2µm,8.0s			00 28 38.0	
ZEA	comp=Z,2µm,8.0s			00 32 38.0 -5.9	
ZEA	comp=Z,2µm,8.0s				
ZEA	comp=N,700nm,9.0s				
ZEA	comp=Z,350nm,1.8s				
ZEA	comp=Z,2µm,13.0s				
ZEA	comp=E,3µm,14.0s				
ZEA	comp=N,1µm,10.0s				
ZEA	comp=N,2µm,14.0s				
ZEA	comp=E,1µm,14.0s				
ZEA	comp=Z,4µm,14.0s				
CD2	Chengdu	72.12 307 P	P	00 18 48.0 +0.7	
CD2	comp=Z,4µm,14.0s			00 18 52.6 +1.1	
CD2	comp=Z,4µm,14.0s			00 21 28.3 +0.6	
CD2	comp=Z,4µm,14.0s			00 28 11.0 +0.9	
CD2	comp=Z,4µm,14.0s			00 28 18.8 +5.6	
CD2	comp=Z,110nm,0.7s			00 32 49.7 +2.0	
CD2	comp=Z,3µm,8.3s				

CD2	comp=Z,7µm,16.3s	LR	LR		
CD2	comp=Z,6µm,17.3s				
CD2	comp=Z,6µm,17.3s				
BYO	Baotou	72.22 319 eP	P	00 18 49.2 +1.5	
SEY	Seymchan	74.17 354 P	P	00 18 59.2 +0.6	
SEY	comp=Z,12nm,0.8s,baz=134,slow=5.3,SNR=13				
LZH	Lanzhou	74.28 312 P	P	00 19 00.7 +0.6	
LZH	comp=Z,180nm,1.3s			00 19 04.0 -0.3	
LZH	comp=Z,890nm,7.5s			00 19 05.5 +2.9	
LZH	comp=Z,8µm,17.3s			00 21 44.7 -1.4	
LZH	comp=Z,9µm,16.8s			00 28 33.0 -1.6	
LZH	comp=Z,9µm,16.8s			00 29 40.9 +3.1	
LZH	comp=Z,9µm,16.8s			00 33 13.1 -7.6	
LZH	comp=Z,11µm,19.0s				
GAMB	Gambell	76.38 10 eP	P	00 19 11	



6d 0h

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like TUC Tucson, MTPU Mount Pierson, DUG Dugway, etc.

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Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like PV12 Saucer Basin, MVCO Mesa Verde, LKWW Lake, etc.

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Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like BVAR Borovoye Array, BVAR Borovoye Array, BRVK Borovoye, etc.









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Table with columns: 6z 1h, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Urewera, Black Stump, Stephens Creek, etc.

MEX 06:00:53.5-0.7, 15.90N-97.01W, h20km±20km, MD3.9, Near coast of Oaxaca

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Huatulco, Pinotepa, Vista Hermosa.

ISCJB 06:01:00:42.3-0.3, 4.61S:0.03:134.78E:0.04, h16km, mb4.4/22, Error ellipse: s-maj=5.5km s-min=4.3km

Main table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SAUI, SAUI, SWI, GENI, etc.

ISCJB 06:01:12:25.4-1.2, 10.76S:165.04E, h34km, mb6.4/57, MS7.2/79, Error ellipse: s-maj=6.7km s-min=5.9km

Plg8.0000°, Azm336.0000°; P - 1.1400, Plg29.0000°, Azm242.0000°; MOS 06:01:12:25.4-1.2, 10.76S:165.04E, h34km, mb6.4/57, MS7.2/79, Error ellipse: s-maj=6.7km s-min=5.9km

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HNR, HNR, HNR, etc.



6d 1h

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Table with columns for flight codes (e.g., HLP, MORW, HMH), destinations (e.g., Hilina Pali, Morawa, Humu'ula Sheep), times, and status indicators (e.g., P, eP, LR).

Table with columns for flight codes (e.g., BTM, TAOE, TAOE, TAOE), destinations (e.g., Bintulu, Nuku Hiva Isla, Nuku Hiva Isla), times, and status indicators (e.g., P, eP, eS, eLQ, eLR).

Table with columns for flight codes (e.g., YSS, YSS, YSS, YSS, TEY, TEY, TEY), destinations (e.g., N, 30nm, 0.8s, E, 50nm, 1.2s), times, and status indicators (e.g., pmax, pmax, pmax, pmax, eP, eP).



6d 1h

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Table with columns: LSA, comp-Z, frequency, time, location, status, and other details. Includes entries like BMRM Bremer River, BPAW Bear Paw Mtn., RND Reindeer, etc.

Table with columns: I03D, location, frequency, time, status, and other details. Includes entries like Drain, OR, Juneau Island, Porcupine Dome, etc.

Table with columns: TIXI, location, frequency, time, status, and other details. Includes entries like Tiksi, Murrieta, Pah Rah Range, etc.

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LTY	Liberty	87.41	41	eP	P	01 25 11.7	-0.2
LTY	comp-Z,212nm,1.3s						
GMRC	Granite Mounta	87.41	54	P	P	01 25 09.0	-3.3
F07A	Phinny Hill Vi	87.46	42	eP	P	01 25 12.2	+0.1
F07A	comp-Z,207nm,1.1s						
C06D	Leavenworth	87.48	40	P	P	01 25 10.7	-1.4
TPNV	Topopah Spring	87.52	52	eP	P	01 25 12.6	-0.1
TPNV	comp-Z,258nm,1.4s						
TPNV	Topopah Spring	87.52	52	eP	P	01 25 12.6	-0.1
TPNV	comp-Z,227um,21.0s						
TPNV	Topopah Spring	87.52	52	P	P	01 25 10.5	-2.2
TPNV	comp-Z,255,SNR=9.6						
MDRS	Chennai	87.53	284	eP	P	01 25 11.8	-1.2
DANN	Dangising	87.63	299	eP	P	01 25 10.2	-3.5
GLA	Glamis	87.64	56	eP	P	01 25 12.8	+0.5
GLA	comp-Z,348nm,1.1s						
GLA	Glamis	87.64	56	P	P	01 25 12.1	-1.2
IRM	Iron Mountain	87.66	55	P	P	01 25 11.9	-1.5
J08A	Circle Bar Ran	87.67	45	eP	P	01 25 11.7	-1.6
J08A	comp-Z,308nm,1.1s						
BMN	Battle Mountai	87.73	48	eP	P	01 25 12.7	-1.0
BMN	comp-Z,121um,19.0s						
BMN	Battle Mountai	87.73	48	eP	P	01 25 12.7	-1.0
BMN	comp-Z,377nm,1.8s						
LLL	Lillooet	87.77	38	eP	P	01 25 13.4	-0.1
LLL	comp-Z,335nm,1.7s						
HAWA	Hanford	87.88	42	eP	P	01 25 14.4	+0.3
HAWA	comp-Z,241nm,1.4s						
G08A	Pilot Rock	87.92	43	eP	P	01 25 12.3	-2.1
G08A	comp-Z,257nm,1.1s						
LDFC	Landfair	87.92	54	eP	P	01 25 13.4	-1.3
LDFC	comp-Z,610nm,1.2s						
Y12C	Blythe	88.06	55	eP	P	01 25 14.0	-1.2
Y12C	comp-Z,453nm,1.4s						
Y12C	Blythe	88.06	55	P	P	01 25 14.8	-0.4
E08A	Dider Farm, El	88.22	42	eP	P	01 25 14.2	-1.5
E08A	comp-Z,410nm,1.4s						
NEE2	Needles Airpor	88.23	54	P	P	01 25 14.3	-1.8
SHPR	Sheep Range	88.24	299	eP	P	01 25 15.0	-1.2
SHPR	comp-Z,94nm,1.1s						
R11A	Troy Canyon, C	88.39	51	eP	P	01 25 15.1	-1.9
R11A	comp-Z,319nm,1.8s						
R11A	Troy Canyon, C	88.39	51	P	P	01 25 15.0	-1.9
R11A	comp-Z,289nm,1.9s						
113A	Mohawk Valley	88.44	56	eP	P	01 25 16.2	-0.8
113A	comp-Z,599nm,2.0s						
SRIG	Santa Rosalia	88.46	62	eP	P	01 25 16.5	-0.7
SRIG	comp-Z,652nm,1.9s						
D08A	Wollman Farm,	88.48	42	eP	P	01 25 15.2	-1.7
D08A	comp-Z,273nm,1.4s						
PDMCJ	Parker Dam,Lak	88.50	55	P	P	01 25 15.2	-2.1
WMQ	Urumqi	88.55	315	P	P	01 25 17.5	+0.1
WMQ	comp-Z,360nm,1.5s						
WMQ	Urumqi	88.55	315	P	P	01 25 29.0	+0.4
WMQ	comp-Z,48um,11.5s						
WMQ	Urumqi	88.55	315	P	P	01 28 45.2	-0.7
WMQ	comp-Z,180um,16.1s						
WMQ	Urumqi	88.55	315	P	P	01 35 44.2	-1.0
WMQ	comp-Z,93um,22.5s						
WMQ	Urumqi	88.55	315	P	P	01 36 02.7	+0.4
WMQ	comp-Z,123um,28.9s						
WMQ	Urumqi	88.55	315	P	P	01 36 14.9	+2.1
WMQ	comp-Z,694nm,1.7s						
B08A	Colville Reser	88.61	40	eP	P	01 25 15.2	-2.3
B08A	comp-Z,137um,21.0s						
E09A	Wood Farm, Sta	88.83	42	eP	P	01 25 18.5	0.0
E09A	comp-Z,427nm,1.7s						
W13A	Hualapai Mount	88.90	54	eP	P	01 25 17.3	-2.1
W13A	comp-Z,438nm,1.5s						
BMO	Blue Mountains	88.91	44	eP	P	01 25 17.1	-2.0
BMO	comp-Z,227um,18.0s						
BMO	Blue Mountains	88.91	44	eP	P	01 25 17.1	-2.0
BMO	comp-Z,259nm,1.5s						
BMO	Blue Mountains	88.91	44	eP	P	01 25 17.1	-2.0
BMO	comp-Z,160um,20.0s						
214A	Organ Pipe Nat	89.03	57	P	P	01 25 18.3	-1.5
214A	comp-Z,257,SNR=67						
C09A	Chrisman Ranch	89.12	41	eP	P	01 25 19.6	-0.3
C09A	comp-Z,221nm,1.5s						
KRAR	Krasnoyarsk	89.25	328	iP	P	01 25 19.8	-0.4
ELK	Elko	89.27	48	eP	P	01 25 19.5	-1.6
ELK	comp-Z,183um,20.0s						
ELK	Elko	89.27	48	eP	P	01 25 19.5	-1.6
ELK	comp-Z,190nm,1.5s						
ELK	Elko	89.27	48	eP	P	01 25 19.5	-1.6
ELK	comp-Z,190nm,1.5s						
F10A	Beach Ranch, E	89.28	43	eP	P	01 25 18.8	-2.0
F10A	comp-Z,770nm,1.8s						
F10A	Beach Ranch, E	89.28	43	eP	P	01 25 18.8	-2.0
F10A	comp-Z,97um,19.0s						
Y14A	Wickenburg	89.33	55	eP	P	01 25 19.9	-1.4
Y14A	comp-Z,264nm,1.6s						
Y14A	Wickenburg	89.33	55	eP	P	01 25 19.9	-1.4
Y14A	comp-Z,192um,21.0s						

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LPIG	La Paz	89.47	65	P	P	01 25 21.7	-0.4
LPIG	comp-Z,19nm,0.5s,baz=157,slow=7.7,SNR=3.5						
MFID	Camas Ranch	89.54	46	eP	P	01 25 21.0	-1.2
MFID	comp-Z,489nm,1.8s						
SLBS	Sierra La Lagu	89.71	66	eP	P	01 25 24.0	+0.7
SLBS	comp-Z,247nm,1.4s						
PSUT	Pine Spring	89.75	51	eP	P	01 25 21.8	-1.5
PSUT	comp-Z,208um,20.0s						
PSUT	Pine Spring	89.75	51	eP	P	01 25 21.8	-1.5
PSUT	comp-Z,150nm,1.0s						
TRD	Trivandrum	89.81	279	eP	P	01 25 22.0	-1.9
JBP	Jabalpur	89.83	2941	eP	P	01 25 23.0	-0.7
JBP	comp-Z,57um,26.8s						
JBP	Jabalpur	89.83	2941	eP	P	01 29 32.9	
JBP	AMS					02 04 47.0	
LCMT	Little Creek M	89.86	52	eP	P	01 25 22.5	-1.3
LCMT	comp-Z,354nm,1.5s						
LCMT	Little Creek M	89.86	52	eP	P	01 25 22.5	-1.3
LCMT	comp-Z,184um,20.0s						
CCUT	Cedar City	89.90	52	eP	P	01 25 23.0	-1.1
CCUT	comp-Z,178nm,1.1s						
INK	Inuvik	89.92	19	eP	P	01 25 22.6	-0.5
INK	comp-Z,219nm,1.8s						
INK	Inuvik	89.92	19	P	P	01 25 21.7	-1.4
INK	comp-Z,3.6nm,1.1s,baz=229,slow=9.7,SNR=7.6						
INK	Inuvik	89.92	19	P	P	02 02 52.4	
HSIG	Hyderabad	89.95	61	eP	P	01 25 23.9	-0.3
HSIG	comp-Z,282nm,1.3s						
NEW	Newport	89.99	41	eP	P	01 25 22.3	-1.7
NEW	comp-Z,209nm,1.5s						
NEW	Newport	89.99	41	eP	P	01 25 22.3	-1.7
NEW	comp-Z,84um,19.0s						
NEW	Newport	89.99	41	eP	P	01 25 22.3	-1.7
NEW	comp-Z,209nm,1.5s						
NEW	Newport	89.99	41	eP	P	01 25 22.3	-1.7
NEW	comp-Z,84um,19.0s						
HYB	Hyderabad	90.00	288	iP	P	01 25 28.0	+3.3
HYB	comp-Z,7um,6.5s						
HYB	Hyderabad	90.00	288	iP	P	01 29 00.0	+2.0
HYB	comp-Z,474nm,1.7s						
HYB	Hyderabad	90.00	288	iP	P	01 35 56.0	+1.3
HYB	comp-Z,285um,19.0s						
HYB	Hyderabad	90.00	288	iP	P	01 36 12.0	+4.0
HYB	comp-Z,7um,6.5s						
SHZC	Shurtz Canyon	90.12	52	eP	P	01 25 24.4	-0.7
SHZC	comp-Z,474nm,1.7s						
SHZC	Shurtz Canyon	90.12	52	eP	P	01 25 24.4	-0.7
SHZC	comp-Z,285um,19.0s						
KNB	Kanab	90.19	52	eP	P	01 25 24.7	-0.7
KNB	comp-Z,856nm,1.7s						
KNB	Kanab	90.19	52	eP	P	01 25 24.7	-0.7
KNB	comp-Z,186um,19.0s						
KNB	Kanab	90.19	52	eP	P	01 25 24.7	-0.7
KNB	comp-Z,856nm,1.7s						
KNB	Kanab	90.19	52	eP	P	01 25 24.7	-0.7
KNB	comp-Z,186um,19.0s						
NGP	Nagpur	90.27	291	eP	P	01 25 24.2	-1.7
NGP	comp-Z,186um,19.0s						
NGP	Nagpur	90.27	291	eP	P	01 35 47.8	
NGP	comp-Z,186um,19.0s						
DGZ	Jazzator, Alta	90.38	321	c	P	01 25 23.6	-2.3
DGZ	comp-Z,39nm,1.0s						
DGZ	Jazzator, Alta	90.38	321	c	P	01 25 23.6	-2.3
DGZ	comp-Z,39nm,1.0s						
U15A	North Rim	90.47	53	eP	P	01 25 25.1	-1.7
U15A	comp-Z,201nm,0.9s						
U15A	North Rim	90.47	53	eP	P	01 25 25.1	-1.7
U15A	comp-Z,201nm,0.9s						
HLID	Hailey	90.58	46	eP	P	01 25 25.2	-1.8
HLID	comp-Z,119nm,1.0s						
HLID	Hailey	90.58	46	eP	P	01 25 27.5	+0.5
HLID	comp-Z,179um,20.0s						
PKCU	Pink Cliffs	90.69	52	eP	P	01 25 27.5	-0.3
PKCU	comp-Z,1um,1.9s						



6d 1h

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PV17	comp=Z,174µm,22.0s East Wray Mesa	93.45	52	eP	P	01 25 40.6	0.0
PV17	LR						
YNR	comp=Z,173µm,21.0s Norris Junctio	93.46	45	eP	P	01 25 42.2	+1.8
YNR	LR						
PV20	comp=Z,152µm,19.0s West Nyswonger	93.46	52	eP	P	01 25 40.7	+0.2
PV20	LR						
H17A	comp=Z,145µm,21.0s Grant Village	93.46	46	eP	P	01 25 40.0	-0.5
H17A	LR						
H17A	comp=Z,202µm,18.0s Grant Village	93.46	46	P	P	01 25 40.8	+0.3
PV16	comp=Z,277nm,1.8s Nyswonger Mesa	93.49	52	eP	P	01 25 40.7	0.0
PV16	LR						
PV21	comp=Z,130µm,20.0s Cone Mtn., Par	93.50	52	eP	P	01 25 41.1	+0.3
PV04	comp=Z,59nm,0.9s Paradox Valley	93.52	52	eP	P	01 25 41.0	+0.3
PV11	comp=Z,75nm,1.0s David Mesa, Pa	93.52	52	eP	P	01 25 41.7	+0.8
PV11	LR						
PV03	comp=Z,166µm,21.0s Paradox Valley	93.53	52	eP	P	01 25 39.9	-1.0
PV03	LR						
PV13	comp=Z,136µm,20.0s Radium Mtn., P	93.54	52	eP	P	01 25 41.0	0.0
MNCI	comp=Z,263nm,1.9s Minicoy	93.56	278	PFAKE	LR	01 25 50.0	+8.8
PV12	comp=Z,85µm,19.0s Sauce Basin	93.58	52	eP	P	01 25 41.3	+0.2
PV12	LR						
MNCY	comp=Z,166µm,20.0s Minicoy	93.58	278	eP	P	01 25 40.4	-1.0
MVCO	comp=Z,147µm,20.0s Mesa Verde	93.61	53	P	P	01 25 39.2	-2.1
PV02	comp=Z,158nm,1.5s Paradox Valley	93.61	52	eP	P	01 25 41.5	+0.2
PV02	LR						
LKWY	comp=Z,137µm,19.0s Lake	93.62	45	eP	P	01 25 42.7	+1.5
LKWY	LR						
LKWY	comp=Z,334nm,2.0s Lake	93.62	45	eP	P	01 25 42.7	+1.5
PV07	comp=Z,334nm,2.0s Paradox Valley	93.72	52	eP	P	01 25 42.4	+0.7
PV07	LR						
PV01	comp=Z,142µm,22.0s Paradox Valley	93.73	52	eP	P	01 25 41.9	+0.1
PV01	LR						
SMLA	comp=Z,131µm,20.0s Simila	93.82	301	eP	I Amb	01 25 41.4	-0.6
SMLA	I Amb					01 25 54.8	
PV15	comp=Z,36µm,8.7s Paradox Valley	93.83	52	eP	P	01 25 45.4	+3.1
BW06	comp=Z,136µm,20.0s Boulder Array	93.87	47	eP	P	01 25 39.9	-2.4
BW06	LR						
BW06	comp=Z,106µm,21.0s Boulder Array	93.87	47	P	P	01 25 40.0	-2.4
PD31	comp=Z,259nm,1.7s Pinedale Array	93.87	47	eP	P	01 25 39.9	-2.5
PDAR	comp=Z,47nm,0.9s Pinedale Array	93.87	47	eP	P	01 25 39.3	-3.1
PDAR	comp=Z,5.3nm,0.9s,slow=2.0,SNR=25 Goa	94.10	285	eP	I Amb	01 25 44.8	+1.2
GOA	I Amb					01 26 06.3	
HPIG	comp=Z,11µm,7.7s HPIG	94.13	64	eP	P	01 25 44.2	+0.3
HPIG	LR						
NVS	comp=Z,194µm,22.0s Novosibirsk	94.17	325	eP	P	01 25 43.2	+0.1
NVS	pmax						
NVS	comp=Z,246nm,1.7s Novosibirsk	94.17	325	eP	P	01 25 43.2	+0.1
NVS	pmax						
PDGK	comp=Z,35µm,1.1s Podgomoye	94.23	313	P	P	01 25 47.3	+3.5
PDGK	pmax						
LENM	comp=Z,228µm,20.0s White River Ci	94.28	56	eP	P	01 25 46.8	+2.4
O20A	comp=Z,430nm,1.9s White River Ci	94.35	50	eP	P	01 25 44.0	-0.1
O20A	LR						
O20A	comp=Z,228µm,20.0s White River Ci	94.35	50	P	P	01 25 42.8	-1.7
CGMT	comp=Z,260nm,1.6s Greytiff	94.37	44	eP	P	01 25 44.9	+0.4
RLMT	comp=Z,58nm,1.0s Red Lodge	94.52	45	eP	P	01 25 40.9	-4.4
RLMT	LR						
RLMT	comp=Z,198µm,19.0s Red Lodge	94.52	45	P	P	01 25 43.6	-1.6
UZB	comp=Z,87µm,20.0s Uzymbulak	94.53	313	eP	P	01 25 43.4	-1.8
UZB	MLR						
UZB	comp=Z,20µm,20.0s Uzymbulak	94.53	313	eP	P	01 25 43.5	-1.8
UZB	eS					01 36 23.9	+4.5
UZB	eLRM					02 09 51.8	
BNN	comp=Z,20µm,19.6s Barren Site	94.56	56	eP	P	01 25 47.6	+1.9
POO	comp=Z,2µm,5.0s Poona	94.60	288	eP	I Amb	01 25 44.7	-1.2
POO	I Amb					01 26 04.9	
EGMT	comp=Z,404nm,2.2s Eagleton	94.73	42	eP	P	01 25 44.2	-1.8
EGMT	LR						
EGMT	comp=Z,87µm,20.0s Eagleton	94.73	42	P	P	01 25 44.2	-1.8
DHRM	comp=Z,324nm,1.6s DHARAMSHALA	94.74	302	eP	I Amb	01 25 44.8	-1.7
DHRM	I Amb					01 26 02.9	
KPKS	comp=Z,63nm,0.9s Kokpek	94.83	313	eP	MLR	01 25 43.4	-3.1
KPKS	MLR						
KPKS	comp=Z,49µm,22.0s Kokpek	94.83	313	eP	P	01 25 43.4	-3.1
KPKS	eS					01 36 26.9	+6.0
KPKS	eLRM					02 06 58.1	
ANMO	comp=Z,49µm,22.2s Albuquerque	94.83	55	eP	P	01 25 46.3	-0.6
ANMO	LR						
ANMO	comp=Z,32nm,0.9s Albuquerque	94.83	55	eP	P	01 25 45.8	-1.1
ANMO	MLR						
ANMO	comp=Z,58µm,17.0s Albuquerque	94.83	55	P	P	01 25 44.4	-2.5
ANMO	P					01 25 46.2	-0.7
PRZ	comp=Z,5.5nm,1.0s,slow=244,slow=5.8,SNR=8.1 Przheval'sk	94.86	312	PFAKE	LR	01 26 00.0	+1.3
PRZ	LR						
SATY	comp=Z,89µm,20.0s Saty	94.96	313	eP	P	01 25 49.9	+2.7
SATY	MLR						
SATY	comp=Z,17µm,15.0s Saty	94.96	313	eP	P	01 25 50.0	+2.7
SATY	eS					01 36 27.4	+5.8
SATY	eLRM					02 10 46.0	
S22A	comp=Z,174µm,22.0s 4UR Ranch, Cre	95.01	53	eP	P	01 25 48.2	+0.4

S22A	comp=Z,94nm,1.5s 4UR Ranch, Cre	95.01	53	P	LR	01 25 46.9	-0.9
S22A	LR						
SEM	comp=Z,176µm,21.0s Semipalatinsk	95.05	320	eP	P	01 25 50.4	+2.9
SEM	MLR						
SEM	comp=Z,35µm,22.0s Semipalatinsk	95.05	320	eP	SKSac	01 25 50.5	+2.9
SEM	eS					01 36 33.6	+1.2
SEM	comp=Z,15µm,11.7s Semipalatinsk	95.08	27	P	MLR	02 08 17.2	
YKA	comp=Z,35µm,22.3s Yellowknife Ar	95.08	27	P	P	01 25 44.1	-3.0
YKA	PP					01 29 26.2	-1.1
YKA	comp=Z,4.7nm,0.9s,slow=254,slow=4.5,SNR=29 Yellowknife Ar	95.08	27	eP	LR	02 04 29.0	
YKBS	comp=Z,13µm,19.5s,slow=262,slow=33 Yellowknife Ar	95.08	27	eP	PP	01 25 43.6	-3.5
YKBS	ePP					01 25 44.2	-3.0
YKWS	comp=Z,49nm,1.1s Yellowknife Ar	95.10	27	eP	LR	01 25 50.1	+1.6
SMCO	comp=Z,128µm,20.0s Snowmass	95.14	51	eP	P	01 25 50.1	+1.6
SMCO	LR						
MNTX	comp=Z,213µm,19.0s Cornudas Mount	95.18	59	eP	P	01 25 48.0	-0.3
MNTX	LR						
MNTX	comp=Z,202µm,22.0s Cornudas Mount	95.18	59	P	P	01 25 47.0	-1.3
TDK	comp=Z,260nm,1.4s Taldyqorghan	95.30	315	eP	MLR	01 25 49.5	+1.0
TDK	MLR						
TDK	comp=Z,58µm,18.0s Taldyqorghan	95.30	315	eP	P	01 25 49.5	+1.0
TDK	eS					01 36 27.6	+4.5
TDK	comp=Z,8µm,14.3s Taldyqorghan	95.39	49	eP	MLR	02 07 41.7	
RWWY	comp=Z,58µm,18.4s Rawlins	95.39	49	eP	P	01 25 49.6	+0.2
RWWY	LR						
BOM	comp=Z,179µm,20.0s Bombay	95.63	288	ex	P	01 25 42.3	-8.3
BOM	AMS					01 26 41.6	
BOM	comp=Z,5µm,16.9s Bombay	95.75	340	ex	SKSac	01 36 31.5	+5.6
NRIK	comp=Z,2.3nm,0.5s,slow=140,slow=5.0,SNR=8.7 Noril'sk	95.75	340	P	P	01 25 48.4	-1.6
NRIK	LR					02 10 57.6	
MDOK	comp=Z,55µm,18.5s,slow=104,slow=37 Medeo	95.95	313	eP	P	01 25 50.3	-1.4
MDOK	eS					01 36 24.7	-2.3
MDOK	comp=Z,22µm,22.0s Medeo	95.95	313	eP	P	01 25 50.4	-1.4
MDOK	eS					01 36 24.8	-2.3
MDOK	comp=Z,8µm,13.4s Medeo	96.05	48	eP	MLR	02 08 05.4	
K22A	comp=Z,22µm,22.2s Casper	96.05	48	eP	LR	01 25 54.3	+2.0
K22A	LR						
K22A	comp=Z,150µm,19.0s Casper	96.05	48	P	P	01 25 50.5	-1.7
SDCO	comp=Z,53nm,1.0s Great Sand Dun	96.05	53	eP	P	01 25 52.8	+0.2
SDCO	LR						
SDCO	comp=Z,154µm,21.0s Great Sand Dun	96.05	53	P	P	01 25 49.9	-2.6
AAA	comp=Z,103µm,20.0s Alma-Ata	96.06	313	eP	SKSac	01 25 48.4	-3.7
AAA	eS					01 36 27.6	+0.2
AAA	comp=Z,9µm,15.5s Alma-Ata	96.06	313	eP	MLR	01 25 48.4	-3.7
AAA	MLR						
AAA	comp=Z,11µm,20.0s Alma-Ata	96.06	313	eP	P	01 25 48.4	-3.7
AAA	eS					01 36 27.6	+0.2
AAA	comp=Z,2µm,20.7s Alma-Ata	96.06	313	eP	MLR	02 08 22.9	
AAA	eLRM					02 08 22.9	
PMSA	comp=Z,11µm,20.0s Palmer Station	96.08	161	PFAKE	LR	01 26 00.0	+8.3
PMSA	LR						
PMSA	comp=Z,103µm,20.0s Palmer Station	96.08	161	LR	LR	02 01 58.0	
CHKK	comp=Z,49µm,21.4s,slow=226,slow=31 Chushkaly	96.11	313	eP	P	01 25 53.9	+1.6
CHKK	eP					01 29 42.9	
CHKK	comp=Z,64nm,1.4s Chushkaly	96.11	313	eP	P	01 25 54.0	+1.6
CHKK	P					01 29 43.0	-2.4
CHKK	comp=Z,64nm,1.4s Chushkaly	96.11	313	eP	PP	01 25 51.9	-0.2
KURK	comp=Z,210nm,1.5s Kurchatov	96.12	320	eP	P	01 25 50.6	-1.5
KURK	MLR						

KK31	baz=265	Karatay Array	100.69	312	i P	Pdif	Pdif	01 26 23.4	+10
KK31	comp=Z,5.0nm,0.8s	luzhnyay	100.97	311	eP	MLR	Pdif	01 26 18.5	+4.3
IUG	comp=Z,14um,19.0s	luzhnyay	100.97	311	eP	u/S	Pdif	01 26 18.6	+4.3
IUG	comp=Z,4um,8.3s						SKS	01 26 18.4	+5.2
IUG					eLRM	MLR		02 11 55.2	
U32A	comp=Z,14um,18.5s	Winter Ranch,	101.04	55			PFAKE	01 26 30.0	+15
U32A	comp=Z,160um,18.0s	Kabul	101.06	303			PFAKE	01 26 30.0	+15
KBL	comp=Z,40um,21.0s	Wichita Mounta	101.06	57			PFAKE	01 26 30.0	+15
WMOK	comp=Z,232um,19.0s	Wichita Mounta	101.06	57			Pdif	01 26 12.5	-2.2
WMOK	baz=264	Borovoye Array	101.44	322	P		Pdif	01 26 18.4	+2.4
BVA0	comp=Z,28nm,1.3s	Maddock	101.48	43			PFAKE	01 26 30.0	+14
BVA0	comp=Z,99um,20.0s	Maddock	101.48	43			Pdif	01 26 14.3	-2.0
MDND	comp=Z,126um,19.0s	Borovoye	101.51	322	eP		Pdif	01 26 15.2	-1.0
MDND	comp=Z,267nm,1.6s	Jarrell	101.68	61			PFAKE	01 26 30.0	+12
BRVK	comp=Z,126um,19.0s	Borovoye	101.51	322	eP		Pdif	01 26 15.2	-1.0
BRVK	comp=Z,267nm,1.6s	Jarrell	101.68	61			PFAKE	01 26 30.0	+12
BRVK	comp=Z,126um,19.0s	Borovoye	101.51	322	P		Pdif	01 26 16.8	+0.5
BRVK	SNR=9.4	Jarrell	101.68	61			PFAKE	01 26 30.0	+12
BRVK	comp=Z,222um,22.0s	Jarrell	101.68	61			Pdif	01 26 14.4	-3.1
SUSD	baz=264	Miller	101.71	47			Pdif	01 26 13.6	-3.8
SUSD	baz=266	Lake Whitney,	101.90	59			PFAKE	01 26 30.0	+12
WHTX	comp=Z,142um,20.0s	Lake Whitney,	101.90	59			Pdif	01 26 18.0	-0.5
WHTX	baz=265	Belgrade	102.11	50			PFAKE	01 26 30.0	+11
BGNE	comp=Z,290um,19.0s	Belgrade	102.11	50			Pdif	01 26 15.4	-3.8
BGNE	baz=266	Mauritius Mete	102.41	246			PFAKE	01 26 30.0	+8.9
MRIV	comp=Z,33um,20.0s	Resolute Bay	103.04	16			PFAKE	01 26 30.0	+7.4
MRIV	comp=Z,110um,21.0s	Kansas State U	103.14	52			PFAKE	01 26 30.0	+6.2
RES	comp=Z,139um,20.0s	Kansas State U	103.14	52			Pdif	01 26 20.8	-3.0
RES	baz=267	EROS Data Cent	103.36	48			Pdif	01 26 22.6	-2.1
RES	baz=268	Leonard	103.59	56			PFAKE	01 26 40.0	+14
TUL1	comp=Z,251um,19.0s	Leonard	103.59	56			Pdif	01 26 25.4	-0.5
TUL1	baz=266	Riviere de l'E	103.73	245			PFAKE	01 26 40.0	+13
RER	comp=Z,122um,18.0s	Clayton	103.85	57			PFAKE	01 26 40.0	+13
RER	comp=Z,218um,20.0s	Agassiz Nation	104.00	43			PFAKE	01 26 40.0	+13
X37A	comp=Z,128um,20.0s	Lac du Bonnet	104.01	41			Pdif	01 26 30.4	+3.0
X37A	comp=Z,117um,20.0s	Lac du Bonnet	104.01	41	P		Pdif	01 26 30.4	+3.0
AGMN	comp=Z,117um,20.0s	Lac du Bonnet	104.01	41	P		Pdif	01 26 30.4	+3.0
AGMN	comp=Z,3.3nm,0.8s,ba=295,slow=7.3,SNR=4.3	Puerto Ayora	104.18	93			PFAKE	01 26 40.0	+11
ULM	comp=Z,150um,20.0s	Nacogdoches	104.25	60			PFAKE	01 26 40.0	+11
ULM	comp=Z,173um,20.0s	Nacogdoches	104.25	60			Pdif	01 26 23.3	-5.7
NATX	comp=Z,173um,20.0s	Nacogdoches	104.25	60			Pdif	01 26 23.3	-5.7
NATX	baz=266	Fort Churchill	104.80	32	eP		Pdif	01 26 32.1	+1.4
FCC	comp=Z,160um,19.0s	Fort Churchill	104.80	32	eP		Pdif	01 26 32.1	+1.4
FCC	comp=Z,160um,19.0s	W39A Magazine	105.19	56			PFAKE	01 31 00.0	+13
FCC	comp=Z,200um,22.0s	W39A Magazine	105.19	56			Pdif	01 26 27.7	-5.3
W39A	baz=268	Mount Ida	105.33	57			PFAKE	01 31 00.0	+12
W39A	comp=Z,231um,20.0s	Mount Ida	105.33	57			Pdif	01 26 28.0	-5.7
MIAR	comp=Z,218um,19.0s	State Center	105.82	49			PFAKE	01 31 00.0	+12
MIAR	comp=Z,218um,19.0s	State Center	105.82	49			Pdif	01 26 30.5	-5.1
SCIA	comp=Z,173um,20.0s	Richland Creek	105.91	58			PFAKE	01 31 00.0	+11
SCIA	comp=Z,173um,20.0s	Richland Creek	105.91	58			Pdif	01 26 29.9	-6.4
Z41A	comp=Z,267	Basin Creek Fa	105.94	57			PFAKE	01 31 00.0	+11
Z41A	comp=Z,174um,20.0s	Basin Creek Fa	105.94	57			Pdif	01 26 33.3	-3.0
X40A	comp=Z,174um,20.0s	Basin Creek Fa	105.94	57			Pdif	01 26 33.4	-3.2
X40A	baz=268	Egglette Beard	106.10	58			Pdif	01 26 34.5	-2.6
U40A	comp=Z,229um,18.0s	Marine on St.	106.11	46			PFAKE	01 31 00.0	+11
U40A	comp=Z,331um,19.0s	Marine on St.	106.11	46			Pdif	01 26 32.8	-4.1
SPMN	comp=Z,229um,18.0s	Kaden, Bauxite	106.20	57			Pdif	01 26 33.8	-3.7
SPMN	comp=Z,229um,18.0s	Hinrichs Farm,	106.23	45			Pdif	01 26 34.7	-2.7
U41A	comp=Z,238um,20.0s	University of	106.35	57			PFAKE	01 31 00.0	+10
U41A	comp=Z,238um,20.0s	Gary Mavity, V	106.44	56			PFAKE	01 31 00.0	+10
U41B	comp=Z,331um,19.0s	Gary Mavity, V	106.44	56			Pdif	01 26 38.5	-0.1
H38A	comp=Z,200um,22.0s	Malden Rock	106.49	47			Pdif	01 26 36.0	-2.6
H38A	comp=Z,200um,22.0s	Mountainview	106.54	56			Pdif	01 26 37.8	-1.2
V41A	comp=Z,200um,22.0s	Webster	106.60	50			Pdif	01 26 36.2	-2.9
M39A	comp=Z,200um,22.0s	Vinton	106.72	49			Pdif	01 26 36.5	-3.2
L39A	comp=Z,200um,22.0s	Viola	106.74	55			Pdif	01 26 38.2	-1.7
U41A	comp=Z,200um,22.0s	Pierce - Schro	106.74	45			Pdif	01 26 39.0	-0.7
F38A	comp=Z,200um,22.0s	Garnett, Star	106.78	58			Pdif	01 26 40.9	+0.7

G38A	comp=Z,268	Ridgeland	106.78	46			Pdif	01 26 40.8	+0.9
G38A	baz=272	Olwein	106.80	49			Pdif	01 26 37.5	-2.6
K39A	comp=Z,271	Mountain View	106.88	55			Pdif	01 26 37.6	-2.9
MEET	comp=Z,234um,19.0s	Red Bud	106.90	54			Pdif	01 26 39.4	-1.3
R43A	comp=Z,234um,19.0s	Red Bud	106.90	54			Pdif	01 26 39.4	-1.3
H41A	comp=Z,133um,20.0s	Junction City	106.93	48			Pdif	01 26 40.2	-0.3
H41A	comp=Z,133um,20.0s	Junction City	106.93	48			Pdif	01 31 00.0	+10
H41A	comp=Z,133um,20.0s	Junction City	106.93	48			Pdif	01 26 40.2	-0.3
V44A	comp=Z,270	Blytheville	106.94	57			Pdif	01 26 41.1	+0.3
M42A	comp=Z,270	Sheffield	106.94	57			Pdif	01 31 00.0	+10
M42A	comp=Z,270	Sheffield	106.94	57			Pdif	01 31 00.0	+10
W44A	comp=Z,270	Shelby Farms P	106.95	45			PFAKE	01 26 38.6	-2.0
L42A	comp=Z,228um,20.0s	Oliver, Polo	106.95	45			Pdif	01 26 42.2	+0.9
L42A	comp=Z,228um,20.0s	Oliver, Polo	106.95	45			Pdif	01 26 38.8	-2.4
C40A	comp=Z,272	Isle Royale Na	106.95	43			PFAKE	01 31 00.0	+9.4
C40A	comp=Z,116um,20.0s	Isle Royale Na	106.95	43			Pdif	01 26 40.5	-0.7
C40A	comp=Z,116um,20.0s	Isle Royale Na	106.95	43			Pdif	01 26 38.0	-3.4
Q43A	comp=Z,271	New Douglas	107.05	47			Pdif	01 26 41.5	-0.2
PVMO	comp=Z,199um,19.0s	Portageville	107.05	50			Pdif	01 26 39.0	-2.7
PVMO	comp=Z,199um,19.0s	Portageville	107.05	50			Pdif	01 26 41.6	-0.3
U44A	comp=Z,270	Portageville	107.05	50			Pdif	01 26 40.0	-2.1
P43A	comp=Z,270	Pawnee	107.20	53			Pdif	01 26 42.5	+0.5
P43A	comp=Z,270	Pawnee	107.20	53			Pdif	01 26 38.4	-4.0
COWI	comp=Z,149um,19.0s	Conover	107.21	59			Pdif	01 31 00.0	+8.8
COWI	comp=Z,149um,19.0s	Conover	107.21	59			Pdif	01 26 40.1	-2.2
Y45A	comp=Z,269um,19.0s	Yeager Farm, C	107.21	59			Pdif	01 26 40.1	-2.2
Y45A	comp=Z,269um,19.0s	Yeager Farm, C	107.21	59			Pdif	01 26 42.2	+0.3
G41A	comp=Z,269um,19.0s	Antigo	107.21	59			Pdif	01 26 44.4	+1.9
G41A	comp=Z,269um,19.0s	Antigo	107.21	59			Pdif	01 26 44.5	+1.8
K42A	comp=Z,269um,19.0s	Prairie Point	107.21	59			Pdif	01 31 00.0	+8.9
F41A	comp=Z,269um,19.0s	Three Lakes	107.21	59			Pdif	01 26 40.1	-2.2
F41A	comp=Z,269um,19.0s	Three Lakes	107.21	59			Pdif	01 31 00.0	+8.8
F41A	comp=Z,269um,19.0s	Three Lakes	107.21	59			Pdif	01 26 39.3	-3.1
E41A	comp=Z,269um,19.0s	Kenton	107.31	53			Pdif	01 26 42.7	+0.3
E41A	comp=Z,269um,19.0s	Kenton	107.31	53			Pdif	01 26 44.4	+1.9
OXF	comp=Z,274	Oxford	107.31	53			Pdif	01 26 44.5	+1.8
OXF	comp=Z,274	Oxford	107.31	53			Pdif	01 31 00.0	+8.9
OXF	comp=Z,138um,20.0s	Oxford	107.31	53			Pdif	01 26 44.5	+1.8
X45A	comp=Z,270	Jim Fitts	107.41	45			Pdif	01 31 00.0	+8.5
X45A	comp=Z,270	Jim Fitts	107.41	45			Pdif	01 26 44.6	+1.7
O43A	comp=Z,272	Sugar Creek Fa	107.41	45			Pdif	01 26 42.9	-0.1
O43A	comp=Z,272	Sugar Creek Fa	107.41	45			Pdif	01 26 48.1	+4.8
HDIL	comp=Z,199um,20.0s	Hopedale	107.42	55			PFAKE	01 31 00.0	+8.2
HDIL	comp=Z,199um,20.0s	Hopedale	107.42	55			PFAKE	01 26 44.6	+1.7
HDIL	comp=Z,199um,20.0s	Hopedale	107.42	55			Pdif	01 26 42.9	-0.1
J42A	comp=Z,270	Columbus	107.45	52			Pdif	01 26 48.1	+4.8
J42A	comp=Z,270	Columbus	107.45	52			Pdif	01 26 40.1	-2.2
U44B	comp=Z,270	Burton Farm, H	107.50	58			Pdif	01 26 48.1	+4.8
U44B	comp=Z,270	Burton Farm, H	107.						

6d 1h

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M44A	Midewin, Midew	109.70	50	Pdiff	Pdif	01 26 48.0	-5.0
H43A	Windswept, Lux	109.72	47	PFAKE	LR	01 31 10.0	+1.4
H43A	comp-Z, 130um, 20.0s						
H43A	Windswept, Lux	109.72	47	Pdiff	Pdif	01 26 50.5	-2.4
G43A	Wallace	109.72	46	PFAKE	LR	01 31 10.0	+1.4
G43A	comp-Z, 177um, 20.0s						
G43A	Wallace	109.72	46	Pdiff	Pdif	01 26 48.0	-4.9
Q45A	Warren Harvey,	109.72	53	Pdiff	Pdif	01 26 53.1	0.0
L44A	Lake County Fo	109.76	49	Pdiff	Pdif	01 26 54.0	+0.8
U46A	Springville	109.76	55	Pdiff	Pdif	01 26 49.0	-4.4
QLIL	Olney	109.77	53	PFAKE	LR	01 31 10.0	+1.4
QLIL	comp-Z, 169um, 20.0s						
V46A	Holladay	109.82	56	Pdiff	Pdif	01 26 49.1	-4.5
PLAL	Pickwick Lake	109.86	57	PFAKE	LR	01 31 10.0	+1.4
PLAL	comp-Z, 104um, 19.0s						
Q45A	Princeton	109.98	55	Pdiff	Pdif	01 26 52.8	-1.5
T46A	Potomac	110.00	51	Pdiff	Pdif	01 26 51.9	-2.4
P45A	Graceland, Par	110.02	52	PFAKE	LR	01 31 10.0	+1.4
P45A	comp-Z, 168um, 19.0s						
P45A	Graceland, Par	110.02	52	Pdiff	Pdif	01 26 52.8	-1.6
448A	Bay Minette	110.03	61	Pdiff	Pdif	01 26 51.2	-3.4
F43A	Flat Rock, Esc	110.03	45	Pdiff	Pdif	01 26 55.4	+1.1
X47A	Russelville	110.05	57	Pdiff	Pdif	01 26 53.8	-0.9
WVT	Waverly	110.05	55	PFAKE	LR	01 31 10.0	+1.4
WVT	comp-Z, 193um, 20.0s						
WVT	Waverly	110.05	55	Pdiff	Pdif	01 26 52.0	-2.6
S46A	Don Dixon Farm	110.10	54	Pdiff	Pdif	01 26 53.8	-1.0
E43A	Lone Tree Farm	110.11	45	PFAKE	LR	01 31 10.0	+1.4
E43A	comp-Z, 83um, 22.0s						
E43A	Lone Tree Farm	110.11	45	Pdiff	Pdif	01 26 52.1	-2.5
N45A	Kentland	110.13	50	Pdiff	Pdif	01 26 56.4	+1.6
USIN	University of	110.13	54	PFAKE	LR	01 31 10.0	+1.3
USIN	Estel	110.22	80	PFAKE	LR	01 31 10.0	+1.3
ESTN	comp-Z, 126um, 21.0s						
R46A	Gibon Southern	110.25	53	Pdiff	Pdif	01 26 48.2	-7.3
W47A	Westpoint	110.25	56	Pdiff	Pdif	01 26 43.9	-1.2
148A	Greensboro	110.29	59	Pdiff	Pdif	01 26 52.5	-3.2
M45A	Boilermakers S	110.30	50	Pdiff	Pdif	01 26 53.3	-2.3
V47A	Nunnally	110.31	56	Pdiff	Pdif	01 26 54.2	-1.5
Q46A	CEJHS Indians,	110.34	52	Pdiff	Pdif	01 26 53.4	-2.4
P46A	Roseale	110.43	52	Pdiff	Pdif	01 26 56.1	-0.1
SFIN	Lafayette	110.47	51	PFAKE	LR	01 31 10.0	+1.3
SFIN	comp-Z, 179um, 20.0s						
SFIN	Lafayette	110.47	51	Pdiff	Pdif	01 26 57.1	+0.7
U47A	Clarksville	110.48	55	Pdiff	Pdif	01 26 54.6	-2.0
F44A	Big Bay de Noc	110.54	45	Pdiff	Pdif	01 26 53.8	-2.8
499A	Pace	110.58	61	Pdiff	Pdif	01 26 55.6	-1.5
349A	Repton	110.61	61	Pdiff	Pdif	01 26 55.7	-1.5
147A	Sharon Grove	110.61	55	Pdiff	Pdif	01 26 53.1	-4.0
248A	Jasper	110.62	58	Pdiff	Pdif	01 26 55.7	-1.5
Y49A	Camden	110.67	60	Pdiff	Pdif	01 26 56.6	-0.8
N46A	Monticello	110.72	50	Pdiff	Pdif	01 26 54.1	-3.3
X48A	Hartselle	110.72	57	PFAKE	LR	01 31 10.0	+1.2
X48A	comp-Z, 171um, 20.0s						
X48A	Hartselle	110.72	57	Pdiff	Pdif	01 26 54.2	-3.5
BRAL	Brewton	110.73	61	PFAKE	LR	01 31 10.0	+1.2
BRAL	comp-Z, 117um, 22.0s						
BRAL	Brewton	110.73	61	Pdiff	Pdif	01 26 58.4	+0.7
S47A	Hartford	110.77	54	Pdiff	Pdif	01 26 53.4	-4.4
LRAL	Lakeview Retre	110.77	59	PFAKE	LR	01 31 10.0	+1.2
LRAL	comp-Z, 219um, 21.0s						
LRAL	Lakeview Retre	110.77	59	Pdiff	Pdif	01 26 58.5	+0.6
J45A	Montague	110.79	48	Pdiff	Pdif	01 26 55.8	+0.8
W48A	Pulaski	110.80	57	Pdiff	Pdif	01 26 57.7	-0.3
I45A	Fountain	110.85	47	Pdiff	Pdif	01 26 56.1	-1.9
V48A	Smith Brothers	110.88	56	PFAKE	LR	01 31 10.0	+1.2
V48A	comp-Z, 159um, 20.0s						
V48A	Smith Brothers	110.88	56	Pdiff	Pdif	01 26 58.7	+0.4
149A	Jones	110.95	59	Pdiff	Pdif	01 26 55.5	-3.2
L46A	Eue Claire	110.97	49	Pdiff	Pdif	01 26 55.5	-3.1
M46A	Old House Fiel	110.97	50	PFAKE	LR	01 31 10.0	+1.2
M46A	comp-Z, 225um, 20.0s						
M46A	Old House Fiel	110.97	50	Pdiff	Pdif	01 26 52.9	-5.7
BLO	Bloomington	110.98	52	PFAKE	LR	01 31 10.0	+1.2
BLO	comp-Z, 221um, 20.0s						
ROC1	El Roble	111.00	132	PFAKE	LR	01 31 10.0	+1.1
ROC1	comp-Z, 400nm, 18.0s						
R47A	Wooly Knot Far	111.02	53	Pdiff	Pdif	01 26 56.4	-2.5
Q47A	Bedord North L	111.06	52	Pdiff	Pdif	01 26 59.9	+0.8
U48A	Cassie Pea, Po	111.08	55	Pdiff	Pdif	01 26 58.2	-1.0
450A	Crestview	111.13	61	Pdiff	Pdif	01 26 58.4	-1.2
P47A	Martinsville	111.16	52	Pdiff	Pdif	01 26 56.7	-2.8
PEL	Peldehue	111.16	132	PFAKE	LR	01 31 10.0	+1.1
PEL	comp-Z, 89um, 18.0s						
Z49A	Columbiana	111.16	59	Pdiff	Pdif	01 26 59.3	-0.4
G45A	Suttons Bay	111.17	46	Pdiff	Pdif	01 26 56.7	-2.7
T48A	Bowling Green	111.17	54	Pdiff	Pdif	01 26 55.9	-3.7
O47A	Sheridan	111.19	51	Pdiff	Pdif	01 26 58.4	-1.2
F45A	CMU Biological	111.20	45	Pdiff	Pdif	01 26 59.3	-0.2
WCI	Wyandotte Cave	111.20	53	PFAKE	LR	01 31 10.0	+1.1
WCI	comp-Z, 246um, 20.0s						
WCI	Wyandotte Cave	111.20	53	Pdiff	Pdif	01 26 58.5	-1.2

JTS	JuntasAbangare	111.25	83	ePKKPbc	PKKPbc	01 41 58.5	+3.7
JTS	comp-Z, 182um, 21.0s						
JTS	JuntasAbangare	111.25	83	PKKPbc	PKKPbc	01 41 58.5	+3.7
Y49A	Blount Mountai	111.25	58	PFAKE	LR	01 31 10.0	+1.1
Y49A	comp-Z, 133um, 20.0s						
Y49A	Blount Mountai	111.25	58	Pdiff	Pdif	01 26 56.9	-3.2
K46A	Dorr	111.30	48	Pdiff	Pdif	01 26 58.6	-1.4
X49A	Woodville	111.31	57	Pdiff	Pdif	01 26 59.5	-0.7
J46A	Howard City	111.34	48	Pdiff	Pdif	01 26 58.7	-1.5
350A	Dozier	111.34	60	Pdiff	Pdif	01 27 03.0	+2.5
W49A	Belvidere	111.35	57	Pdiff	Pdif	01 26 58.7	-1.7
E45A	Wooded Hills,	111.36	44	Pdiff	Pdif	01 27 01.3	+1.1
250A	Grady	111.40	60	PFAKE	LR	01 31 10.0	+1.1
250A	comp-Z, 104um, 19.0s						
250A	Grady	111.40	60	Pdiff	Pdif	01 26 57.2	-3.5
S48A	Wieseman Farm,	111.42	54	Pdiff	Pdif	01 26 57.2	-3.5
N47A	Urbana	111.51	50	Pdiff	Pdif	01 26 58.2	-2.8
M47A	Cromwell	111.53	50	Pdiff	Pdif	01 27 00.8	-0.3
R48A	Northridge Ran	111.53	53	Pdiff	Pdif	01 26 55.7	-5.5
H46A	Fife Lake	111.54	46	Pdiff	Pdif	01 26 59.1	-2.0
UOSS	Minazif	111.59	293	PFAKE	LR	01 31 10.0	+1.0
UOSS	comp-Z, 30um, 22.0s						
150A	Eclectic	111.60	59	Pdiff	Pdif	01 27 00.1	-1.5
Q48A	North Vernon	111.61	52	Pdiff	Pdif	01 27 00.1	-1.4
Y49A	McMinnville	111.62	56	Pdiff	Pdif	01 26 59.3	-2.4
Z50A	Ashland	111.67	59	PFAKE	LR	01 31 10.0	+1.0
Z50A	comp-Z, 166um, 20.0s						
Z50A	Ashland	111.67	59	Pdiff	Pdif	01 26 58.5	-3.4
U49A	Red Boiling Sp	111.69	55	Pdiff	Pdif	01 26 59.4	-2.5
G46A	Petoskey	111.70	46	Pdiff	Pdif	01 26 57.7	-4.1
F46A	Macinaw City C	111.72	45	Pdiff	Pdif	01 27 01.9	+0.1
L47A	Sherwood	111.79	49	Pdiff	Pdif	01 26 58.7	-3.5
P48A	Mitroy	111.81	52	Pdiff	Pdif	01 27 02.2	-0.2
Y50A	Piedmont	111.82	58	Pdiff	Pdif	01 26 58.8	-3.7
451A	Vernon	111.85	61	PFAKE	LR	01 31 10.0	+1.0
451A	comp-Z, 115um, 21.0s						
451A	Vernon	111.85	61	Pdiff	Pdif	01 27 00.6	-2.2
T49A	Edmonton	111.86	54	PFAKE	LR	01 31 10.0	+1.0
T49A	comp-Z, 175um, 18.0s						
T49A	Edmonton	111.86	54	Pdiff	Pdif	01 27 00.6	-2.1
X50B	Fort Payne	111.87	57	Pdiff	Pdif	01 27 02.3	-0.5
K47A	Vermontville	111.87	48	Pdiff	Pdif	01 27 01.4	-1.2
GLMI	Grayling	111.93	46	PFAKE	LR	01 31 10.0	+1.0
GLMI	comp-Z, 126um, 18.0s						
GLMI	Grayling	111.93	46	Pdiff	Pdif	01 27 01.5	-1.3
J47A	Sunyer	111.95	48	Pdiff	Pdif	01 26 56.4	-6.5
E46A	Sault Ste Mari	111.96	44	Pdiff	Pdif	01 27 01.5	-1.3
O48A	Farmland	111.96	51	Pdiff	Pdif	01 26 59.9	-3.2
351A	Pinckard	111.97	61	Pdiff	Pdif	01 27 01.6	-1.6
HSPB	Hornsund (broa	111.97	353	eP	Pdif	01 27 19.3	+1.7
ABPO	Ambohpanom	111.99	244	PFAKE	LR	01 31 10.0	+9.2
KULLO	Kullorsuaq	112.00	11	iP	PP	01 31 49.1	+6.5
N48A	Decatur	112.01	50	Pdiff	Pdif	01 27 00.8	-2.4
S49A	Springfield	112.02	54	Pdiff	Pdif	01 26 58.3	-5.0
HDC	Heredia	112.03	84	PFAKE	LR	01 31 10.0	+9.1
HDC	comp-Z, 153um, 21.0s						
D46A	Sault St. Mari	112.07	44	Pdiff	Pdif	01 26 57.5	-5.9
R49A	Shelbyville	112.08	53	Pdiff	Pdif	01 26 59.3	-4.3
I47A	Gladwin	112.09	47	Pdiff			

GOGA	Godfrey	113.72	58	PFAKE LR	LR	01 31 10.0 +6.5
GOGA	Godfrey	113.72	58	Pdiff Pdif		01 27 07.5 -3.5
S52A	Salyersville	113.78	54	Pdiff Pdif		01 27 06.8 -4.4
X53A	Estanolle	113.81	57	Pdiff Pdif		01 27 09.4 -2.0
D49A	Beulah Townshi	113.82	43	Pdiff Pdif		01 27 09.3 -1.8
W53A	Cullowhee	113.88	56	Pdiff Pdif		01 27 12.9 +1.1
T52A	Hallie	113.89	54	Pdiff Pdif		01 27 10.4 -1.4
O51A	Pataskala	113.92	51	Pdiff Pdif		01 27 09.6 -2.2
254A	Abbeville	113.93	60	Pdiff Pdif		01 27 13.0 +1.1
655A	Horseshoe Beac	114.02	63	Pdiff Pdif		01 27 10.7 -1.7
TOBO	Tobermory, Bru	114.05	45	Pdiff Pdif		01 27 14.0 +1.9
154A	Montrose	114.06	59	PFAKE LR	LR	01 31 20.0 +1.6
154A	Montrose	114.06	59	Pdiff Pdif		01 27 12.4 -0.1
R52A	Catlettsburg	114.06	53	Pdiff Pdif		01 27 08.1 -4.3
M51A	Elyria	114.10	50	Pdiff Pdif		01 27 09.9 -2.6
BASO	Ashfield	114.13	47	Pdiff Pdif		01 27 09.9 -2.6
V53A	Saluda	114.14	56	PFAKE LR	LR	01 31 20.0 +1.6
V53A	Saluda	114.14	56	Pdiff Pdif		01 27 11.7 -1.2
455A	Stateville	114.19	61	Pdiff Pdif		01 27 12.7 -0.5
BRCO	Bruce Peninsul	114.25	46	Pdiff Pdif		01 27 10.2 -3.0
Z54A	Sparta	114.25	58	Pdiff Pdif		01 27 09.4 -4.0
555A	McAlpin	114.26	62	PFAKE LR	LR	01 31 20.0 +1.5
555A	McAlpin	114.26	62	Pdiff Pdif		01 27 10.3 -3.2
555A	Wise	114.26	54	Pdiff Pdif		01 27 11.9 -1.5
U53A	Fall Branch	114.28	55	Pdiff Pdif		01 27 09.4 -4.1
Q52A	Bidwell	114.30	52	Pdiff Pdif		01 27 12.8 -0.6
355A	Pearson	114.32	61	Pdiff Pdif		01 27 13.8 +0.1
252A	Corning	114.33	51	Pdiff Pdif		01 27 13.8 +0.2
Y54A	Tignall	114.35	58	Pdiff Pdif		01 27 11.3 -2.5
TROA	Tornquist	114.37	141	PFAKE LR	LR	01 31 20.0 +1.5
NNA	Nana	114.38	108	PFAKE LR	LR	01 31 20.0 +1.5
E50A	Wahnapitae	114.39	44	Pdiff Pdif		01 27 13.0 -0.7
K51A	Iona Station	114.42	48	Pdiff Pdif		01 27 09.7 -4.3
ELFO	Elginfield	114.50	47	Pdiff Pdif		01 27 11.5 -2.7
LVZ	Lovozero	114.50	342	PFAKE LR	LR	01 31 10.0 +6.0
Q52A	Adamsville	114.51	51	PFAKE LR	LR	01 31 20.0 +1.5
O52A	Adamsville	114.51	51	Pdiff Pdif		01 27 12.4 -2.0
S53A	Williamson	114.53	54	Pdiff Pdif		01 27 10.7 -3.8
N52A	McGinn's Farm,	114.54	50	Pdiff Pdif		01 27 11.6 -2.9
155A	Kite	114.60	59	Pdiff Pdif		01 27 14.3 -0.6
R53A	Hurricane	114.61	53	Pdiff Pdif		01 27 18.5 +3.7
I51A	Listowel	114.62	47	Pdiff Pdif		01 27 12.6 -2.2
255A	Hazlehurst	114.62	60	PFAKE LR	LR	01 31 20.0 +1.5
255A	Hazlehurst	114.62	60	Pdiff Pdif		01 27 16.0 +1.0
656A	Willston	114.65	63	PFAKE LR	LR	01 31 20.0 +1.5
M52A	Chesterland	114.69	49	Pdiff Pdif		01 27 15.3 +0.1
556A	Lake Butler	114.75	62	Pdiff Pdif		01 27 15.4 -0.2
Z55A	Blythe	114.84	58	Pdiff Pdif		01 27 15.6 -0.4
D50A	G1974 Best Tow	114.86	43	Pdiff Pdif		01 27 13.0 -2.7
P53A	Whipple	114.92	52	PFAKE LR	LR	01 31 20.0 +1.4
P53A	Whipple	114.92	52	Pdiff Pdif		01 27 17.4 +1.2
857A	Zephyrhills	114.94	64	Pdiff Pdif		01 27 15.0 -1.5
KLBO	Killbear Provi	114.94	45	Pdiff Pdif		01 27 12.3 -3.8
957A	Wimauma	114.94	65	PFAKE LR	LR	01 31 20.0 +1.4
957A	Wimauma	114.94	65	Pdiff Pdif		01 27 17.5 +1.0
357A	Blackhear	114.94	61	Pdiff Pdif		01 27 15.8 -0.6
O53A	New Philadelph	114.97	51	Pdiff Pdif		01 27 16.7 +0.3
K52A	Tiltsburg	115.00	48	Pdiff Pdif		01 27 17.5 +1.1
T54A	Tazewell	115.02	54	Pdiff Pdif		01 27 10.0 -6.8
F51A	Arnstein	115.04	44	Pdiff Pdif		01 27 17.6 +1.0
456A	Hilliard	115.06	61	PFAKE LR	LR	01 31 20.0 +1.4
456A	Hilliard	115.06	61	Pdiff Pdif		01 27 14.3 -2.6
757A	Oxford	115.06	63	Pdiff Pdif		01 27 20.3 +3.2
APA	Apattity	115.08	342	PFAKE LR	LR	01 31 18.0 +1.3
APA	Apattity	115.08	342	Pdiff Pdif		01 32 08.0 +1.3
APA	Apattity	115.08	342	Pdiff Pdif		01 39 06.0 +1.3
J52A	Paris	115.10	47	Pdiff Pdif		01 27 16.0 -0.9
PRVC	Isla de Provid	115.10	80	eP PP		01 31 59.8 -6.8
PRVC	Isla de Provid	115.10	80	eP PP		01 31 59.8 -6.8
256A	Glenview	115.12	60	Pdiff Pdif		01 27 18.7 +1.5
N53A	Lisbon	115.18	50	Pdiff Pdif		01 27 17.9 +0.6
I52A	Shelburne	115.18	46	Pdiff Pdif		01 27 18.7 +1.4
D51A	Lot 18 Ränge I	115.18	43	Pdiff Pdif		01 27 19.6 +2.4
E51A	G1948 Merrick	115.21	44	Pdiff Pdif		01 27 17.1 -0.3
M53A	WI Millar and	115.22	49	Pdiff Pdif		01 27 17.1 -0.4
657A	Interlachen	115.23	62	Pdiff Pdif		01 27 17.2 -0.5
058A	Arcadia	115.33	65	Pdiff Pdif		01 27 18.3 0.0
557A	Orange Park	115.33	62	Pdiff Pdif		01 27 18.3 0.0

ACTO	Acton	115.34	47	Pdiff Pdif		01 27 18.2 +0.2
TMCR	Tamitsa	115.34	337	ePKIP Pmax		01 31 03.6 -2.0
958A	Wauchula	115.36	65	Pdiff Pdif		01 27 18.3 -0.1
R54A	Victor	115.37	53	Pdiff Pdif		01 27 17.4 -0.8
KM5C	Kings Mountain	115.38	56	PFAKE LR	LR	01 31 20.0 +1.3
KM5C	Kings Mountain	115.38	56	Pdiff Pdif		01 27 16.6 -1.7
Q54A	Coxs Mills	115.41	52	Pdiff Pdif		01 27 19.2 +0.8
156A	Sylvania	115.42	59	Pdiff Pdif		01 27 19.3 +0.7
L53A	Girard	115.45	49	Pdiff Pdif		01 27 16.7 -1.8
457A	Yulee	115.46	61	Pdiff Pdif		01 27 16.8 -2.0
F52A	Sundridge	115.47	44	Pdiff Pdif		01 27 18.4 -0.1
KEV	Kevo	115.48	345	PFAKE LR	LR	01 31 20.0 +1.4
BUKO	Buck Lake	115.48	45	Pdiff Pdif		01 27 18.5 -0.1
357A	Townsend	115.49	60	Pdiff Pdif		01 27 16.9 -2.0
TYNO	Tyneside	115.56	47	Pdiff Pdif		01 27 18.6 -0.3
ALLY	Alegheny Cole	115.58	49	PFAKE LR	LR	01 31 20.0 +1.3
P54A	Burton	115.60	51	Pdiff Pdif		01 27 23.0 +3.7
O54A	Avella	115.61	51	Pdiff Pdif		01 27 20.4 +1.2
ERPA	Erie	115.62	48	PFAKE LR	LR	01 31 20.0 +1.3
ERPA	Erie	115.62	48	Pdiff Pdif		01 27 14.5 -4.8
I53A	Kortright Cn E	115.64	47	Pdiff Pdif		01 27 23.9 +4.6
DWPF	Disney Wildern	115.64	64	PFAKE LR	LR	01 31 20.0 +1.3
DWPF	Disney Wildern	115.64	64	Pdiff Pdif		01 27 23.1 +3.5
059Z	Ave Maria	115.65	66	Pdiff Pdif		01 27 22.3 +2.6
858A	St. Cloud	115.70	64	Pdiff Pdif		01 27 23.2 +3.3
PB10	IPOC Station P	115.72	123	PFAKE LR	LR	01 31 20.0 +1.2
MATO	Matagami	115.72	40	Pdiff Pdif		01 27 22.3 +2.8
658A	Bunnell	115.76	63	PFAKE LR	LR	01 31 20.0 +1.3
658A	Bunnell	115.76	63	Pdiff Pdif		01 27 20.8 +0.6
GO02	Mina Guanaco	115.77	125	ePKP Pmax		01 31 10.8 +2.7
SADO	Sadowa	115.79	45	PFAKE LR	LR	01 31 20.0 +1.3
N54A	Moraine Stat	115.79	50	PFAKE LR	LR	01 31 20.0 +1.3
N54A	Moraine Stat	115.79	50	Pdiff Pdif		01 27 19.9 -0.2
S55A	Leuburg	115.80	53	Pdiff Pdif		01 27 12.3 -7.9
758A	Lake Helen	115.83	63	Pdiff Pdif		01 27 19.2 -1.2
E52A	Matdawa	115.83	44	Pdiff Pdif		01 27 18.3 -1.8
257A	Skidaway Islan	115.85	60	PFAKE LR	LR	01 31 20.0 +1.2
257A	Skidaway Islan	115.85	60	Pdiff Pdif		01 27 14.1 -6.3
D52A	Skidaway Islan	115.85	60	Pdiff Pdif		01 27 11.5 -8.7
TORO	Toronto-Lesli	115.85	47	Pdiff Pdif		01 27 14.9 -5.3
059A	Moore Haven	115.92	65	PFAKE LR	LR	01 31 20.0 +1.2
059A	Moore Haven	115.92	65	Pdiff Pdif		01 27 20.2 -0.6
BLA	Blacksburg	115.93	54	PFAKE LR	LR	01 31 20.0 +1.2
BLA	Blacksburg	115.93	54	Pdiff Pdif		01 27 19.4 -1.4
OTAV	Otavallo	115.95	95	PFAKE LR	LR	01 31 20.0 +1.1
OTAV	Otavallo	115.95	95	eP PP		01 32 24.6 +1.1
OTAV	Otavallo	115.95	95	eP PP		01 32 24.6 +1.1
M54A	Oil Creek Stat	115.96	49	PFAKE LR	LR	01 31 20.0 +1.2
M54A	Oil Creek Stat	115.96	49	Pdiff Pdif		01 27 16.8 -4.0
PKRO	Pickering	115.98	46	Pdiff Pdif		01 27 19.4 -1.4
Q55A	Buckhannon	115.99	52	Pdiff Pdif		01 27 19.5 -1.6
TUMC	Tumaco	116.00	93	eP PP		01 32 18.5 +5.6
TUMC	Tumaco	116.00	93	eP PP		01 32 18.5 +5.6
062Z	Marathon	116.01	68	Pdiff Pdif		01 27 22.1 +0.8
ARA0	ARCESS Array S	116.01	345	ePKP Pmax		01 31 04.1 -2.8
ARA0	ARCESS Array S	116.01	345	ePKP Pmax		01 31 39.8 -0.4
ARCES	ARCESS Array B	116.01	345	ePKP Pmax		01 31 04.1 -2.8
ARCES	ARCESS Array B	116.01	345	ePKP Pmax		01 41 39.8 -0.4
R55A	Marlinton	116.04	53	Pdiff Pdif		01 27 23.0 +1.6
STCO	Saint Catharin	116.05	47	Pdiff Pdif		01 27 21.2 +0.2
MCWV	Mont Chateau	116.08	51	PFAKE LR	LR	01 31 20.0 +1.2
MCWV	Mont Chateau	116.08	51	Pdiff Pdif		01 27 21.3 0.0
G53A	Halliburton	116.08	45	Pdiff Pdif		01 27 23.0 +1.8
BCIP	Isla Barro Col	116.09	85	PFAKE LR	LR	01 31 20.0 +1.1
BCIP	Isla Barro Col	116.09	85	Pdiff Pdif		01 27 23.2 +1.4
P55A	Reedsville	116.12	51	Pdiff Pdif		01 27 18.0 -3.6
061Z	Ochoppi	116.14	67	PFAKE LR	LR	01 31 20.0 +1.2
061Z	Ochoppi	116.14	67	Pdiff Pdif		01 27 22.4 +0.5
959A	Okeechobee	116.14	65	Pdiff Pdif		01 27 18.1 -3.8
VLD0	Val d'Or	116.23	42	PFAKE LR	LR	01 31 20.0 +1.2
DRWO	Darlington Wes	116.24	46	Pdiff Pdif		01 27 17.4 -4.6
DRCO	St. Marys Ceme	116.26	46	Pdiff Pdif		01 27 21.7 -0.4
D53A	Lac Vacive, Po	116.30	43	Pdiff Pdif		01 27 20.9 -1.3
LSQG	Lebel-sur-Quev	116.31	40	Pdiff Pdif		01 27 20.9 -1.3
ALGO	Algonquin Park	116.31	44	Pdiff Pdif		01 27 16.6 -5.6
KLMR	Klimovskoe	116.32	334	ePKIP Pmax		01 31 08.0 +0.4

KLMR	Klimovskoe	116.32	334	ePKP Pmax		01 31 08.0 +0.4
KLMR	Klimovskoe	116.32	334	ePKP Pmax		01 31 25.7
O55A	West Palm Beac	116.42	50	Pdiff Pdif		01 27 18.6 -4.3
O60Z	West Palm Beac	116.45	66	Pdiff Pdif		01 27 19.6 -3.7
WLVO	Wesleyville	116.47	46	Pdiff Pdif		01 27 22.9 -0.1
E53A	Dumoulin, Ponti	116.48	43	Pdiff Pdif		01 27 21.2 -1.8
NH5C	New Hope	116.49	58	PFAKE LR	LR	01 31 20.0 +1.1
NH5C	New Hope	116.49	58	Pdiff Pdif		01 27 23.0 -0.3
MEDO	Medina	116.57	47	Pdiff Pdif		01 27 18.8 -4.6
N55A	Marion Center	116.57	50	Pdiff Pdif		01 27 20.6 -3.0
BANO	Bancroft	116.59	45	Pdiff Pdif		01 27 19.7 -3.8
O60A	Indianatown	116.61	65	PFAKE LR	LR	01 31 20.0 +1.1
O60A	Indianatown	116.61	65	Pdiff Pdif		01 27 20.7 -3.2
M55A	Indiantown	116.63	49	Pdiff Pdif		01 27 20.7 -3.1
SUMG	Summit	116.73	8	PFAKE LR	LR	01 31 20.0 +1.1
SUMG	Summit	116.73	8	Pdiff Pdif		01 32 07.2 -9.3
L55A	Hinsdale	116.75	48	Pdiff Pdif		01 27 23.5 -0.9
E54A	Lac Duplat, Po	116.79	43	Pdiff Pdif		01 27 18.8 -2.6
DELO	Deloro Mine	116.90	45	Pdiff Pdif		01 27 19.5 -5.4

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Table with columns for event name, date, time, location, and various codes. The table is organized into multiple columns and rows, listing various events and their details.

BURAR Bucovina Array 130.28 325	PKIKP	01 31 36.3 +0.5	DPC Dobruska-Polom 133.01 333	ePKIKP	01 31 44.9 -1.8	comp=Z,78um,21.0s	ZST Bratislava 134.17 330	ePKP	PKPdf	01 31 40.2 -1.9
KZIT Kziot 130.30 301	eP	01 31 40.7 +4.5	DPC DPC	MLR			ZST ZST	ePP	PP	01 31 57.2
KZIT Kziot 130.30 301	P	01 31 41.0 +4.8	comp=Z,72um,21.8s	MLR			VTS Vitosh 134.19 321	ePKP	PKPdf	01 31 43.2 +2.4
VRI Vrincoiaia 130.34 323	eP	01 31 41.6 +5.8	ERIK Eriki-Kesan 133.02 317	ePP	01 31 57.7 +16		VTS Vitosh 134.19 321	ePKP	PKPdf	01 31 43.7 -0.2
VRI Vrincoiaia 130.34 323	eP	01 31 35.8 0.0	UPICE Upice 133.04 333	ePP	01 35 07.3 +20		VTS Vitosh 134.19 321	ePKP	PKPdf	01 31 43.7 -0.2
VRI Vrincoiaia 130.34 323	PKIKP	01 31 36.6 +0.6	UPICE UPICE	eSSK	01 45 05.1		VTS Vitosh 134.19 321	ePKP	PKPdf	01 31 43.7 -0.2
GULT Gulverner 130.37 315	iP	01 31 36.6 +0.6	UPICE UPICE	eSS	01 52 00.6 +14		VTS Vitosh 134.19 321	ePKP	PKPdf	01 31 43.7 -0.2
PLOR Plostina 130.30 323	iP	01 31 36.6 +0.6	UPICE UPICE	eAMS	02 29 30.0		KAVA Kavaia 134.20 318	eP	PKPdf	01 31 39.8 -2.6
PLOR Plostina 130.40 323	iPKIKP	01 31 36.6 +0.6	SIRR Sira 133.04 326	iP	01 31 41.3 0.0		KAVA Kavaia 134.20 318	eP	PKPdf	01 31 39.8 -2.6
KWP Kalwaria Pacla 130.43 329	ePKP	01 31 36.1 +0.2	YHNS Yyhne 133.12 330	ePKIKP	01 31 39.7 -0.5		THAS Thassos island 134.25 317	P	PKPpre	01 31 37.5 -0.9
KWP Kalwaria Pacla 130.43 329	ePS	01 44 01.1 -0.3	YHNS Yyhne 133.12 330	e	01 31 52.6		LIA Limnos Island 134.28 316	P	PKIKP	01 31 46.7 +2.8
KWP Kalwaria Pacla 130.43 329	LME	02 17 37.7	YHNS Yyhne 133.12 330	eMLR			LIA Limnos Island 134.28 316	P	PKIKP	01 31 46.7 +2.8
comp=Z,104um,30.1s	LR	01 31 50.0 +14	YHNS Yyhne 133.12 330	ePKP	01 31 39.7 -0.5		NISR Nisros 134.32 311	P	PKPpre	01 31 34.3
KWP Kalwaria Pacla 130.43 329	PFAKE		YHNS Yyhne 133.12 330	ePKP	01 31 52.6		NISR Nisros 134.32 311	P	PKPpre	01 31 34.3
KWP Kalwaria Pacla 130.43 329	LR		YHNS Yyhne 133.12 330	ePP	01 34 23.1 +17		CHOS Chios Island 134.36 314	P	PKPpre	01 31 45.9 +1.6
KWP Kalwaria Pacla 130.43 329	ePKIKP	01 31 36.1 +0.2	YHNS Yyhne 133.12 330	ePP	01 51 53.1 +5.6		MMB Musomiste 134.41 319	eP	PKIKP	01 31 47.0 +2.8
KWP Kalwaria Pacla 130.43 329	ePS	01 44 01.1 -0.3	GELI Tayfur-Gelibol 133.17 316	eSS	01 31 48.8 +7.1		NVR Neurokopi 134.45 319	P	PKPpre	01 31 33.9
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 47.6 +1.1	Sao Paulo 133.23 137	ePKP	01 31 42.8 +0.5		NVR Neurokopi 134.45 319	P	PKPpre	01 31 33.9
KWP Kalwaria Pacla 130.43 329	ePKP	01 31 38.8 +2.9	SPB Sao Paulo 133.23 137	ePKP	01 31 42.8 +0.5		BBL Barber's Block 134.45 79	eP	PKPpre	01 31 39.4
KWP Kalwaria Pacla 130.43 329	ePKP	01 34 12.6 0.0	SPB Sao Paulo 133.23 137	ePKP	01 31 42.8 +0.5		DWS Wesley 134.60 79	eP	PKPpre	01 31 39.4
KWP Kalwaria Pacla 130.43 329	eP	01 43 59.1 -2.6	comp=Z,177um,18.0s	LR			SWB Belmont 134.62 82	PFAKE	LR	01 32 00.0 +15
KWP Kalwaria Pacla 130.43 329	PS	02 23 16.2	ALN Alexandroupoli 133.23 317	eP	01 31 41.6 -0.2		SVB Belmont 134.62 82	eP	PKIKP	01 31 48.5 +3.2
KWP Kalwaria Pacla 130.43 329	LMZ	02 23 16.2	AYDB Zeytinokoy-Aydi 133.23 313	eP	01 31 51.0 +8.9		TIH Tihany 134.65 329	eP	sPKP	01 31 55.1 +3.0
KWP Kalwaria Pacla 130.43 329	LR	02 23 16.2	MBAR Mbarara 133.26 259	PFAKE	01 31 50.0 +7.1		TIH Tihany 134.65 329	eP	PKIKP	01 31 42.0 +5.5
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +2.9	comp=Z,124um,20.0s	LR			TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PS	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2
KWP Kalwaria Pacla 130.43 329	PKIKP	01 31 38.8 +1.9	KOLL Kolacno 133.27 330	ePKIKP	01 31 51.1 +9.5		TIH Tihany 134.65 329	eP	PKIKP	01 31 48.0 +2.2





TOO	TOO	comp-Z,159nm,0.9s	31.56 210	eP	P	01 23 01.4 -0.2
AS31	Alice Springs	comp-Z,41nm,0.7s	31.90 243	eP	P	01 23 04.8 +0.1
ASAR	Alice Springs	comp-Z,125nm,0.7s,baz=71,slow=9,SNR=10	31.90 243	eP	P	01 23 04.8 +0.1
FOZ	Fox Glacier	comp-Z,302nm,1.1s	32.66 173	eP	P	01 23 12.4 +1.3
MTN	Maxton Dam	comp-Z,396nm,0.8s	32.90 263	eP	P	01 23 13.4 -0.2
RPZ	Rata Peaks	comp-Z,249nm,1.1s	33.00 172	eP	P	01 23 15.0 +0.9
RPZ	Rata Peaks	comp-Z,144nm,0.9s,baz=341,slow=3,SNR=4.2	33.00 172	eP	P	01 23 15.0 +0.9
FITZ	Fitzroy Crossi	comp-Z,299nm,1.1s	38.41 255	eP	P	01 24 00.3 -0.5
FITZ	Fitzroy Crossi	comp-Z,195nm,1.0s,baz=80,slow=8,SNR=4.9	38.41 255	eP	P	01 24 00.4 -0.5
BATI	Baumata	comp-Z,97nm,0.6s,baz=138,slow=1.3,SNR=3.7	40.79 49	iP	P	01 25 23.1 -1.2
KIP	Kipapa	comp-Z,108nm,1.1s	48.95 48	eP	P	01 25 26.1 +0.5
OPA	Opapa	comp-Z,330nm,1.1s	48.95 48	eP	P	01 25 26.1 +0.5
OPA	Opapa	comp-Z,330nm,1.1s	48.95 48	eP	P	01 25 26.1 +0.5
KHU	Kahuku	comp-Z,433nm,1.3s	49.33 53	eP	P	01 25 29.4 +0.6
KHU	Kahuku	comp-Z,433nm,1.3s	49.33 53	eP	P	01 25 29.4 +0.6
POHA	Pohakuloa	comp-Z,433nm,1.3s	49.68 52	eP	P	01 25 31.7 +0.2
MJAR	Matsushiro Arr	comp-Z,46nm,0.9s,baz=174,slow=8.9,SNR=9.5	53.52 333	eP	P	01 25 58.6 -1.1
MAJO	Matsushiro	comp-Z,140nm,1.3s	53.52 333	eP	P	01 26 00.3 +0.6
MAJO	Matsushiro	comp-Z,140nm,1.3s	53.52 333	iP	P	01 25 59.8 +0.1
MAT	Matsushiro	comp-Z,75nm,0.9s	53.52 333	P	P	01 25 58.4 -1.3
MJB9	Matsushiro-Tunnel	comp-Z,138nm,1.2s	53.53 333	eP	P	01 26 00.2 +0.5
ERM	Erimo	comp-Z,62nm,0.9s	56.41 341	iP	P	01 26 20.0 -0.4
ER	Erimo	comp-Z,62nm,0.9s	56.41 341	iP	P	01 26 20.0 -0.4
ASAJ	Asahikawa	comp-Z,204nm,0.9s,baz=217,slow=11,SNR=17	58.48 341	eP	P	01 26 35.1 +0.1
SSE	Sheshan	comp-Z,198nm,0.9s	59.17 317	eP	P	01 26 41.2 +1.2
KSR5	Korea Array	comp-Z,39nm,0.9s,baz=135,slow=7.3,SNR=10	59.32 326	eP	P	01 26 40.9 0.0
KS15	Wonju Array Si	comp-Z,47nm,0.9s	59.34 326	eP	P	01 26 42.7 +1.7
KSAR	Wonju Array Be	comp-Z,47nm,0.9s	59.34 326	eP	P	01 26 40.9 -0.1
KSAR	Wonju Array Be	comp-Z,47nm,0.9s	59.34 326	eP	P	01 26 40.9 -0.1
YSS	Yuzh-Sakhalins	comp-Z,234nm,1.2s	60.99 343	iP	P	01 26 53.9 +1.7
YSS	Yuzh-Sakhalins	comp-Z,234nm,1.2s	60.99 343	iP	P	01 26 53.9 +1.7
MSHR	Myas Shultsa	comp-Z,162nm,1.0s	61.59 332	iP	P	01 26 57.1 +0.8
VLA	Vladivostok	comp-Z,162nm,1.0s	61.59 332	iP	P	01 26 58.0 +1.0
VLA	Vladivostok	comp-Z,162nm,1.0s	61.59 332	iP	P	01 26 58.0 +1.0
SKR	Severo-Kuril's	comp-Z,87nm,1.0s	61.93 354	iP	P	01 26 56.9 -1.5
USRK	Ussuriysk Ar.	comp-Z,284nm,0.9s,baz=134,slow=6.8,SNR=13	62.51 334	eP	P	01 27 02.7 +0.2
USRK	Ussuriysk Ar.	comp-Z,284nm,0.9s,baz=134,slow=6.8,SNR=13	62.51 334	eP	P	01 27 02.7 +0.2
DL2	Dalian	comp-Z,9.0nm,1.1s,baz=332,slow=1.4,SNR=4.4	63.89 324	P	P	01 27 12.6 +0.9
DL2	Dalian	comp-Z,9.0nm,1.1s,baz=332,slow=1.4,SNR=4.4	63.89 324	P	P	01 27 12.6 +0.9
MDJ	Mudanjiang	comp-Z,99nm,0.8s	63.89 333	P	P	01 27 13.3 +1.6
MDJ	Mudanjiang	comp-Z,120nm,0.8s	63.89 333	P	P	01 27 13.3 +1.6
MDJ	Mudanjiang	comp-Z,118nm,1.0s	63.89 333	eP	P	01 27 13.3 +1.6
PET	Petrovavovsk	comp-Z,219nm,1.1s	64.03 356	eP	P	01 27 11.2 -1.1
PET	Petrovavovsk	comp-Z,219nm,1.1s	64.03 356	eP	P	01 27 11.2 -1.1
PET	Petrovavovsk	comp-Z,219nm,1.1s	64.03 356	eP	P	01 27 11.2 -1.1
PEA0B	Petrovavovsk	comp-Z,133nm,1.1s	64.19 355	eP	P	01 27 14.6 +1.1
PETK	Petrovavovsk	comp-Z,219nm,1.1s	64.19 355	eP	P	01 27 14.2 +0.8
PETK	Petrovavovsk	comp-Z,219nm,1.1s	64.19 355	eP	P	01 27 14.2 +0.8
PETK	Petrovavovsk	comp-Z,219nm,1.1s	64.19 355	eP	P	01 27 13.1 -0.4
PEA1	Petrovavovsk	comp-Z,106nm,0.9s,baz=157,slow=8.2,SNR=15	64.19 355	eP	P	01 27 13.1 -0.4
TYV	Tymovskoe	comp-Z,54nm,1.0s	64.58 345	eS	S	01 27 17.0 +1.0
TYV	Tymovskoe	comp-Z,54nm,1.0s	64.58 345	eS	S	01 35 57.9 +4.2
TYV	Tymovskoe	comp-Z,59nm,1.5s				
CN2	Changchun	comp-N,9um,8.6s	65.24 330	eP	P	01 27 19.9 -0.6
CN2	Changchun	comp-N,9um,8.6s	65.24 330	eP	P	01 27 24.6 -3.1
CN2	Changchun	comp-N,9um,8.6s	65.24 330	eP	P	01 27 24.6 -3.1
CASY	Casey	comp-N,150nm,0.8s	66.01 201	eP	P	01 27 26.2 +1.1
VNDA	Vanda	comp-N,206nm,1.1s	66.47 181	P	P	01 27 27.5 -0.4
KLR	Kul'dur	comp-N,152nm,1.1s,baz=350,slow=6.1,SNR=7.0	66.67 337	P	P	01 27 29.8 +0.2
KLR	Kul'dur	comp-N,152nm,1.1s,baz=350,slow=6.1,SNR=7.0	66.67 337	P	P	01 27 29.8 +0.2
SBA	Scott Base	comp-N,18nm,1.2s,baz=328,slow=4.4,SNR=5.6	66.80 180	eP	P	01 27 31.3 +1.3
SBA	Scott Base	comp-N,253nm,1.1s	66.80 180	eP	P	01 27 31.3 +1.3
SBA	Scott Base	comp-N,253nm,1.1s	66.80 180	eP	P	01 27 31.3 +1.3
KMI	Kunming	comp-Z,253nm,1.1s	70.27 302	P	P	01 27 53.9 +1.0
KMI	Kunming	comp-Z,253nm,1.1s	70.27 302	P	P	01 28 05.4 +1.8
KMI	Kunming	comp-Z,253nm,1.1s	70.27 302	P	P	01 28 05.4 +1.8
HHC	Hu-ho-hao-te	comp-Z,82nm,1.4s	71.19 320	eP	P	01 27 59.4 +1.4
HHC	Hu-ho-hao-te	comp-Z,82nm,1.4s	71.19 320	eP	P	01 27 59.4 +1.4
HHC	Hu-ho-hao-te	comp-Z,82nm,1.4s	71.19 320	eP	P	01 37 09.3 -4.2
CM31	Chiang Mai Arr	comp-Z,66nm,0.9s	71.20 294	eP	P	01 27 59.8 +1.4
CMAR	Chiang Mai Arr	comp-Z,116nm,1.4s	71.20 294	eP	P	01 27 59.8 +1.4
CMAR	Chiang Mai Arr	comp-Z,18nm,0.9s,baz=126,slow=5.0,SNR=5.4	71.20 294	eP	P	01 55 49.0 -4.7
MA2	Magadan	comp-Z,1.4nm,0.3s,baz=289,slow=5.0,SNR=9.0	71.28 353	iP	P	01 27 47.6 -0.4
MA2	Magadan	comp-Z,1.4nm,0.3s,baz=289,slow=5.0,SNR=9.0	71.28 353	iP	P	01 27 47.6 -0.4
MA2	Magadan	comp-Z,1.4nm,0.3s,baz=289,slow=5.0,SNR=9.0	71.28 353	iP	P	01 27 47.6 -0.4
MA2	Magadan	comp-Z,7.60nm,1.0s	71.28 353	P	P	01 27 58.2 +0.2
HIA	Hailar	comp-Z,40nm,0.7s,baz=160,slow=6.1,SNR=8.6	71.89 331	eP	P	01 28 03.3 +1.4
HIA	Hailar	comp-Z,136nm,0.9s	71.89 331	iP	P	01 28 02.1 +0.2
HIA	Hailar	comp-Z,136nm,0.9s	71.89 331	iP	P	01 28 02.1 +0.2
SEY	Seymchan	comp-Z,162nm,1.0s	74.38 354	P	P	01 28 15.8 -0.5
SEY	Seymchan	comp-Z,47nm,0.9s,baz=154,slow=6.3,SNR=5.1	74.38 354	P	P	01 28 15.8 -0.5
SEY	Seymchan	comp-Z,47nm,0.9s,baz=154,slow=6.3,SNR=5.1	74.38 354	P	P	01 28 15.8 -0.5
SII	Sitkinak Island	comp-Z,2.7nm,0.8s,baz=197,slow=1.4,SNR=4.1	75.46 22	eP	P	01 28 23.3 +0.6
CIT	Chita	comp-Z,130nm,1.0s	76.67 330	eP	P	01 28 29.9 +0.1
CIT	Chita	comp-Z,130nm,1.0s	76.67 330	eP	P	01 28 29.9 +0.1
CIT	Chita	comp-Z,130nm,1.0s	76.67 330	eP	P	01 28 29.9 +0.1
KDAD	Kodiak Island	comp-Z,79nm,1.1s	76.95 22	eP	P	01 28 30.9 -0.2
KDAD	Kodiak Island	comp-Z,79nm,1.1s	76.95 22	eP	P	01 28 30.9 -0.2
KDAD	Kodiak Island	comp-Z,79nm,1.1s	76.95 22	eP	P	01 28 30.9 -0.2
KDAD	Kodiak Island	comp-Z,79nm,1.1s	76.95 22	eP	P	01 28 30.9 -0.2
KDAD	Kodiak Island	comp-Z,79nm,1.1s	76.95 22	eP	P	01 28 30.9 -0.2
ULN	Ulanbaatar	comp-Z,52nm,0.9s,baz=120,slow=3.1,SNR=5.8	77.72 324	iP	P	01 28 37.2 +1.3
ULN	Ulanbaatar	comp-Z,52nm,0.9s,baz=120,slow=3.1,SNR=5.8	77.72 324	iP	P	01 28 37.2 +1.3
SONAO	Songino Array	comp-Z,41nm,0.9s,baz=145,slow=6.4,SNR=6.8	78.08 324	eP	P	01 28 38.5 +0.6
SONM	Songino Array	comp-Z,41nm,0.9s,baz=145,slow=6.4,SNR=6.8	78.08 324	eP	P	01 28 38.5 +0.6
GTA	Gaotai	comp-Z,41nm,0.9s,baz=145,slow=6.4,SNR=6.8	78.35 314	eP	P	01 28 42.0 +2.5
GTA	Gaotai	comp-Z,41nm,0.9s,baz=145,slow=6.4,SNR=6.8	78.35 314	eP	P	01 28 46.3 -0.6
GTA	Gaotai	comp-Z,41nm,0.9s,baz=145,slow=6.4,SNR=6.8	78.35 314	eP	P	01 28 49.2 -1.1
GTA	Gaotai	comp-Z,41nm,0.9s,baz=145,slow=6.4,SNR=6.8	78.35 314	eP	P	01 28 49.2 -1.1
GTA	Gaotai	comp-Z,41nm,0.9s,baz=145,slow=6.4,SNR=6.8	78.35 314	eP	P	01 28 49.2 -1.1

SVW2	Sparrevohn	comp-Z,91nm,1.1s	78.43 18	eP	P	01 28 40.9 +1.5
BILL	Bilbino	comp-Z,106nm,1.0s	78.89 1	iP	P	01 28 42.9 +1.2
BILL	Bilbino	comp-Z,106nm,1.0s	78.89 1	iP	P	01 28 42.9 +1.2
QSPA	South Pole 101	comp-Z,342nm,1.1s,baz=29,slow=2.8,SNR=8.5	79.85 180	P	P	01 28 43.0 +0.5
EYAK	Cordova Ski Ar	comp-Z,127nm,1.2s	81.41 22	eP	P	01 28 56.3 +0.8
RPN	Rapa Nui	comp-Z,381nm,1.4s	81.47 116	eP	P	01 28 57.7 +1.1
RPN	Rapa Nui	comp-Z,381nm,1.4s	81.47 116	eP	P	01 28 57.7 +1.1
RPN	Rapa Nui	comp-Z,381nm,1.4s	81.47 116	eP	P	01 28 57.7 +1.1
RPN	Rapa Nui	comp-Z,381nm,1.4s	81.47 116	eP	P	01 28 57.7 +1.1
RPN	Rapa Nui	comp-Z,381nm,1.4s	81.47 116	eP	P	01 28 57.7 +1.1
TLY	Talaya	comp-Z,77nm,1.1s,baz=223,slow=6.1,SNR=7.2	81.58 327	iP	P	01 28 57.4 +0.8
HMT	Hamilton	comp-Z,77nm,1.1s,baz=223,slow=6.1,SNR=7.2	81.84 23	eP	P	01 28 58.5 +0.8
DIB	Dawson Inlet	comp-Z,75nm,1.2s	83.23 33	eP	P	01 29 06.1 +1.0
HDA	Harding Lake	comp-Z,75nm,1.2s	83.57 19	P	P	01 29 05.9 -0.8
TCOL	CIGO, UAF Yank	comp-Z,32nm,0.9s	83.60 18	P	P	01 29 05.4 -1.3
COLA	College	comp-Z,102nm,0.9s	83.61 18	eP	P	01 29 07.1 +0.3
COLA	College	comp-Z,102nm,0.9s	83.61 18	iP	P	01 29 06.5 -0.3
COLA	College	comp-Z,102nm,0.9s	83.61 18	iP	P	01 29 06.5 -0.3
COLA	College	comp-Z,102nm,0.9s	83.61 18	iP	P	01 29 06.5 -0.3
ILAR	Eielson Array	comp-Z,114nm,1.0s	83.84 19	P	P	01 29 07.0 -1.1
ILAR	Eielson Array	comp-Z,114nm,1.0s	83.84 19	P	P	01 29 06.9 -1.1
ILB	Eielson Array	comp-Z,77nm,1.1s,baz=223,slow=6.1,SNR=7.2	83.84 19	eP	P	01 29 07.0 -1.1
POKR	Poker Flat Res	comp-Z,52nm,1.0s	83.90 18	P	P	01 29 07.5 -0.9
SAO	San Andreas Ge	comp-Z,59nm,1.1s	83.91 51	eP	P	01 29 08.3 -0.7
SAO	San Andreas Ge	comp-Z,59nm,1.1s	83.91 51	eP	P	01 29 08.4 -0.7
SAO	San Andreas Ge	comp-Z,59nm,1.1s	83.91 51	eP	P	01 29 08.4 -0.7
002D	Mt. Diablo Mer	comp-Z,250nm,1.2s	84.03 47	P	P	01 29 09.2 -0.5
L02E	Cave Junction	comp-Z,250nm,1.2s	84.13 45	P	P	01 29 10.4 +0.4
J01E	Myrtle Point	comp-Z,249nm,1.2s	84.26 44	P	P	01 29 11.6 +0.9
K02D	Willamette Mer	comp-Z,249nm,1.2s	84.28 45	P	P	01 29 11.7 +0.8
MAW	Mawson	comp-Z,22nm,1.2s	84.34 202	eP	P	01 29 10.3 -0.3
MAW	Mawson	comp-Z,22nm,1.2s	84.34 202	eP	P	01 29 11.3 +0.7
N02D	Trinity Center	comp-Z,119nm,1.1s,baz=87,slow=4.3,SNR=5.8	84.36 47	P	P	01 29 11.9 +0.5
M02C	Callahan	comp-Z,250nm,1.2s	84.39 46	P	P	01 29 12.0 +0.5
SMMC	Simmler	comp-Z,250nm,1.2s	84.58 53	P	P	01 29 13.9 +1.4
PKM	Mcperson Peak	comp-Z,252nm,1.2s	84.59 53	P	P	01 29 13.9 +1.1
PAF	Port-aux-Franc	comp-Z,699nm,1.2s	84.63 221	eP	P	01 29 12.1 -0.4
PAF	Port-aux-Franc	comp-Z,699nm,1.2s	84.63 221	eP	P	01 29 12.1 -0.4
PAF	Port-aux-Franc	comp-Z,699nm,1.2s	84.63 221	eP	P	01 29 12.1 -0.4
I02D	Swissmose	comp-Z,699nm,1.2s	84.65 43	P	P	01 29 13.8 +1.2
003E	Paynes Creek	comp-Z,251nm,1.2s	84.78 47	P	P	01 29 14.2 +0.7
I03D	Drain, OR	comp-Z,251nm,1.2s	84.85 44	P	P	01 29 14.5 +0.9
BLG	Laguna Peak, P	comp-Z,253nm,1.2s	84.96 54	P	P	01 29 14.1 -0.3
L04D	Klamath Falls	comp-Z,250nm,1.2s	85.06 45	P	P	01 29 15.4 +0.5
M0						

6d 1h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PAWZ Paruwai Farm, TOO Toolangi, KHZ Kahutera, etc.

2013 FEB

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PAWZ Paruwai Farm, TOO Toolangi, KHZ Kahutera, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like IDC 06:01:22:10.4, 0.0, 11:40S:165:84E, h0km, mb5.2/30, etc.

315

Table with columns: YSS, Location, Time, Altitude, Frequency, and other technical details. Includes entries like Yuzh-Sakhalins, Nanjing, Kota Tinggi, etc.

2013 FEB

Table with columns: LZH, Location, Time, Altitude, Frequency, and other technical details. Includes entries like Kodiak Island, South Pole, Ulanbaatar, etc.

6d 1h

Table with columns: J04D, Location, Time, Altitude, Frequency, and other technical details. Includes entries like Umpqua Nationa, Mount Wilson, Mount Wilson, etc.













321				2013 FEB				6d 1h															
OXF	baz=274	109.15	57	Pd	Pd	01 37 45.3	-1.0	149A	baz=275	111.33	59	Pd	Pd	01 37 57.4	+1.3	L49A	baz=276	113.25	49	Pd	Pd	01 38 07.0	+2.6
X45A	baz=269	109.16	45	Pd	Pd	01 37 47.9	+1.7	M46A	baz=270	111.38	50	Pd	Pd	01 37 58.7	+2.6	V51A	baz=276	113.27	56	Pd	Pd	01 38 08.7	+4.0
E41A	baz=274	109.16	57	Pd	Pd	01 37 48.8	+2.4	L46A	baz=273	111.38	49	Pd	Pd	01 37 58.1	+2.0	H48A	baz=273	113.28	46	Pd	Pd	01 38 06.8	+2.3
O43A	baz=269	109.19	51	Pd	Pd	01 37 47.0	+0.6	R47A	baz=274	111.42	53	Pd	Pd	01 37 57.8	+1.5	AAM	baz=277	113.31	49	Pd	Pd	01 38 08.7	+4.1
HDIL	baz=272	109.20	51	Pd	Pd	01 37 46.7	+0.3	Q47A	baz=273	111.47	53	Pd	Pd	01 37 58.3	+1.7	Z52A	baz=272	113.32	59	Pd	Pd	01 38 11.0	+6.1
U44B	baz=270	109.23	55	Pd	Pd	01 37 45.4	-1.1	U48A	baz=272	111.47	55	Pd	Pd	01 37 57.6	+1.0	553A	baz=270	113.36	62	Pd	Pd	01 38 04.7	-0.4
J42A	baz=273	109.24	48	Pd	Pd	01 37 46.1	-0.4	450A	baz=270	111.50	61	Pd	Pd	01 38 00.2	+3.4	Q50A	baz=274	113.38	53	Pd	Pd	01 38 03.5	-1.6
WSAR	baz=273	109.23	291	PKKP	PKKP	01 52 56.4	-0.8	Z49A	baz=271	111.54	59	Pd	Pd	01 37 60.0	+3.0	K49A	baz=276	113.41	48	Pd	Pd	01 38 07.0	+1.9
N43A	baz=272	109.28	51	Pd	Pd	01 37 47.1	+0.4	P47A	baz=271	111.56	52	Pd	Pd	01 37 59.4	+2.4	453A	baz=276	113.45	61	Pd	Pd	01 38 06.8	+1.3
S44A	baz=271	109.28	54	Pd	Pd	01 37 45.2	-1.6	T48A	baz=272	111.57	55	Pd	Pd	01 37 59.1	+2.0	P50A	baz=275	113.46	52	Pd	Pd	01 38 07.4	+2.0
W45A	baz=272	109.34	57	Pd	Pd	01 37 44.7	-2.4	G45A	baz=272	111.59	46	Pd	Pd	01 37 58.2	+1.2	U51A	baz=275	113.51	55	Pd	Pd	01 38 05.3	-0.4
246A	baz=269	109.34	60	Pd	Pd	01 37 46.2	-1.1	O47A	baz=274	111.59	51	Pd	Pd	01 37 57.2	+0.1	353A	baz=271	113.53	61	Pd	Pd	01 38 05.4	-0.5
I42A	baz=272	109.35	47	Pd	Pd	01 37 44.4	-2.6	WCI	baz=273	111.61	53	Pd	Pd	01 37 58.5	+1.3	T51A	baz=274	113.53	55	Pd	Pd	01 38 07.9	+2.1
AKTO	PKKP	109.37	320	PKKP	PKKP	01 41 51.0	+0.6	F45A	baz=276	111.62	45	Pd	Pd	01 37 57.6	+0.5	O50A	baz=275	113.55	51	Pd	Pd	01 38 11.7	+5.9
AKTO	PKKP	109.37	320	PKKP	PKKP	01 41 51.0	+0.6	Y49A	baz=276	111.64	58	Pd	Pd	01 38 00.8	+3.4	J49A	baz=277	113.57	48	Pd	Pd	01 38 08.0	+2.2
AKTO	PKKP	109.37	320	PKKP	PKKP	01 41 51.0	+0.6	X49A	baz=271	111.70	57	Pd	Pd	01 37 59.0	+1.3	Z53A	baz=271	113.59	60	Pd	Pd	01 38 08.3	+2.2
D41A	PKKP	109.39	44	Pd	Pd	01 37 44.8	-2.3	K46A	baz=271	111.71	49	Pd	Pd	01 37 59.7	+2.1	Y52A	baz=271	113.59	58	Pd	Pd	01 38 06.7	+0.6
R44A	PKKP	109.41	53	Pd	Pd	01 37 45.8	-1.6	350A	baz=275	111.72	61	Pd	Pd	01 38 02.2	+4.4	F48A	baz=278	113.62	45	Pd	Pd	01 38 04.5	-1.4
M43A	PKKP	109.42	50	Pd	Pd	01 37 45.5	-1.8	W49A	baz=270	111.73	57	Pd	Pd	01 38 00.3	+2.5	W52A	baz=273	113.65	57	Pd	Pd	01 38 09.7	+3.3
Q44A	PKKP	109.45	53	Pd	Pd	01 37 45.2	-2.3	J46A	baz=272	111.75	48	Pd	Pd	01 37 58.8	+1.1	X52A	baz=278	113.70	57	Pd	Pd	01 38 05.7	-0.9
V45A	PKKP	109.53	56	Pd	Pd	01 37 46.7	-1.3	250A	baz=270	111.77	60	Pd	Pd	01 37 59.8	+1.7	I49A	baz=275	113.73	47	Pd	Pd	01 38 04.8	-1.7
L43A	PKKP	109.56	49	Pd	Pd	01 37 46.7	-1.3	E45A	baz=270	111.78	45	Pd	Pd	01 38 00.4	+2.7	R51A	baz=273	113.73	53	Pd	Pd	01 38 08.0	+1.3
H42A	PKKP	109.59	47	Pd	Pd	01 37 45.5	-2.6	S48A	baz=273	111.82	54	Pd	Pd	01 38 00.5	+2.4	S51A	baz=274	113.77	54	Pd	Pd	01 38 09.9	+3.1
Y46A	PKKP	109.60	58	Pd	Pd	01 37 45.9	-2.5	OPO	PKKP	111.83	245	PKKP	PKKP	01 52 47.7	-1.2	153A	baz=274	113.83	59	Pd	Pd	01 38 08.5	+1.3
G42A	PKKP	109.62	46	Pd	Pd	01 37 45.5	-2.6	N47A	PKKP	111.92	50	Pd	Pd	01 38 01.0	+2.5	E48A	baz=272	113.83	44	Pd	Pd	01 38 07.2	+0.3
U45A	PKKP	109.68	55	Pd	Pd	01 37 47.7	-1.0	R48A	baz=274	111.93	53	Pd	Pd	01 38 01.0	+2.4	N50A	baz=279	113.85	50	Pd	Pd	01 38 12.0	+4.9
J43A	PKKP	109.74	48	Pd	Pd	01 37 46.7	-2.0	M47A	baz=273	111.94	50	Pd	Pd	01 38 00.4	+1.8	Q51A	baz=276	113.86	52	Pd	Pd	01 38 10.1	+2.9
P44A	PKKP	109.74	52	Pd	Pd	01 37 45.5	-3.4	H46A	baz=276	111.96	46	Pd	Pd	01 38 00.1	+1.5	M50A	baz=276	113.86	50	Pd	Pd	01 38 11.4	+4.2
T45A	PKKP	109.77	55	Pd	Pd	01 37 46.2	-2.8	150A	baz=276	111.98	59	Pd	Pd	01 38 02.4	+3.5	TZTN	baz=276	113.88	55	Pd	Pd	01 38 07.9	+0.6
F42A	PKKP	109.79	45	Pd	Pd	01 37 46.2	-2.7	Q48A	baz=273	112.01	53	Pd	Pd	01 38 00.9	+1.9	V52A	baz=273	113.88	56	Pd	Pd	01 38 08.2	+0.9
S45A	PKKP	109.81	54	Pd	Pd	01 37 48.1	-1.1	V49A	baz=273	112.01	56	Pd	Pd	01 38 00.2	+1.2	D48A	baz=273	113.96	43	Pd	Pd	01 38 08.7	+1.2
X46A	PKKP	109.83	57	Pd	Pd	01 37 46.3	-3.1	Z50A	baz=271	112.05	59	Pd	Pd	01 38 03.2	+3.9	L50A	baz=277	113.97	49	Pd	Pd	01 38 08.2	+0.6
K43A	PKKP	109.84	49	Pd	Pd	01 37 48.0	-1.2	U49A	baz=271	112.09	55	Pd	Pd	01 38 02.0	+2.6	Y53A	baz=272	113.99	58	Pd	Pd	01 38 09.1	+1.2
O44A	PKKP	109.84	51	Pd	Pd	01 37 46.3	-3.0	G46A	baz=276	112.12	46	Pd	Pd	01 38 00.1	+0.8	S54A	baz=272	114.00	62	Pd	Pd	01 38 08.8	+0.8
E42A	PKKP	109.89	45	Pd	Pd	01 37 47.3	-2.1	F46A	baz=276	112.14	45	Pd	Pd	01 38 00.8	+1.4	Z53A	baz=272	114.02	59	Pd	Pd	01 38 08.5	+0.5
I43A	PKKP	109.91	47	Pd	Pd	01 37 46.1	-3.4	L47A	baz=277	112.20	49	Pd	Pd	01 38 01.2	+1.5	F49A	baz=279	114.03	45	Pd	Pd	01 38 09.4	+1.7
W46A	PKKP	110.00	57	Pd	Pd	01 37 46.6	-3.5	Y50A	baz=275	112.20	58	Pd	Pd	01 38 02.5	+2.6	ACSO	baz=276	114.03	51	Pd	Pd	01 38 12.0	+4.1
R45A	PKKP	110.04	53	Pd	Pd	01 37 47.9	-2.3	P48A	baz=271	112.22	52	Pd	Pd	01 38 03.5	+3.6	U52A	baz=276	114.03	55	Pd	Pd	01 38 09.5	+1.4
GEYT	PKKP	110.07	306	PKKP	PKKP	01 41 53.4	+1.3	A51A	baz=271	112.22	61	Pd	Pd	01 38 04.4	+4.4	P51A	baz=275	114.04	52	Pd	Pd	01 38 10.4	+2.5
GEYT	PKKP	110.07	306	PKKP	PKKP	01 41 53.4	+1.3	X50B	baz=270	112.26	57	Pd	Pd	01 38 02.3	+2.1	454A	baz=271	114.04	61	Pd	Pd	01 38 08.9	+0.7
GEYT	PKKP	110.07	306	PKKP	PKKP	01 41 53.4	+1.3	T49A	baz=274	112.26	54	Pd	Pd	01 38 03.9	+3.8	TIGA	baz=271	114.06	61	Pd	Pd	01 38 09.2	+1.0
N44A	PKKP	110.07	51	Pd	Pd	01 37 47.7	-2.6	K47A	baz=275	112.29	48	Pd	Pd	01 38 00.4	+0.3	GOGA	baz=273	114.11	58	Pd	Pd	01 38 09.0	+0.6
147A	PKKP	110.08	59	Pd	Pd	01 37 48.3	-2.2	351A	baz=274	112.34	61	Pd	Pd	01 38 04.4	+3.8	S52A	baz=272	114.17	54	Pd	Pd	01 38 09.4	+0.8
M44A	PKKP	110.11	50	Pd	Pd	01 37 48.4	-2.1	GLMI	baz=270	112.35	46	Pd	Pd	01 38 01.8	+1.5	X53A	baz=274	114.19	57	Pd	Pd	01 38 10.4	+1.7
Q45A	PKKP	110.12	53	Pd	Pd	01 37 48.1	-2.5	J47A	baz=276	112.36	48	Pd	Pd	01 38 01.8	+1.4	D49A	baz=280	114.25	43	Pd	Pd	01 38 12.7	+4.0
H43A	PKKP	110.14	47	Pd	Pd	01 37 48.7	-1.7	O48A	baz=276	112.37	51	Pd	Pd	01 38 03.4	+2.9	W53A	baz=273	114.27	56	Pd	Pd	01 38 12.5	+3.2
G43A	PKKP	110.16	46	Pd	Pd	01 37 48.8	-1.7	E46A	baz=274	112.38	44	Pd	Pd	01 38 03.8	+3.4	T52A	baz=273	114.29	54	Pd	Pd	01 38 10.9	+1.8
U46A	PKKP	110.16	55	Pd	Pd	01 37 51.0	+0.3	S49A	baz=273	112.42	54	Pd	Pd	01 38 03.2	+2.4	254A	baz=272	114.30	60	Pd	Pd	01 38 12.2	+2.9
L44A	PKKP	110.17	49	Pd	Pd	01 37 48.5	-2.2	N48A	baz=275	112.42	50	Pd	Pd	01 38 04.8	+4.1	O51A	baz=275	114.32	51	Pd	Pd	01 38 13.2	+4.0
V46A	PKKP	110.21	56	Pd	Pd	01 37 50.2	-0.9	KULLO	PKKP	112.42	11	P	PKKP	01 41 57.3	+1.9	655A	baz=271	114.38	63	Pd	Pd	01 38 12.4	+2.7
T46A	PKKP	110.37	55	Pd	Pd	01 37 49.8	-1.9	KULLO	PKKP	112.42	11	P	PKKP	01 41 57.3	+1.9	ATAH	PKKP	114.40	103	PKP	PKKP	01 42 02.4	+0.9
448A	PKKP	110.40	61	Pd	Pd	01 37 50.7	-1.2	R49A	baz=273	112.48	53	Pd	Pd	01 38 05.3	+4.2	ATAH	PKKP	114.40	103	PKP	PKKP	01 42 02.4	+0.9
O45A	PKKP	110.41	51	Pd	Pd	01 37 49.9	-1.9	D46A	baz=278	112.50	44	Pd	Pd	01 38 03.7	+2.7	154A	baz=272	114.44	59	Pd	Pd	01 38 11.9	+2.0
P45A	PKKP	110.42	52	Pd	Pd	01 37 50.9	-1.0	251A	baz=278	112.50	60	Pd	Pd	01 38 04.0	+2.7	NNA	PKKP	114.45	109	PKP	PKKP	01 42 02.0	+0.9
X47A	PKKP	110.43	57	Pd	Pd	01 37 48.0	-4.0	I47A	baz=271	112.51	47	Pd	Pd	01 38 04.3	+3.3	NNA	PKKP	114.45	109	PKP	PKKP	01 42 02.0	+0.9
WVT	PKKP	110.44	56	Pd	Pd	01 37 51.2	-0.8	W50A	baz=272	112.51	57	Pd	Pd	01 38 0									

6d 1h

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56d	Lake Butler	115.11	62	Pdiff	Pdif	01 38 16.0 +3.1	D53A	Lac Vaciue, Po	116.73	43	Pdiff	Pdif	01 38 21.3 +1.5	GNI	Garni	120.18 310	ePKP	Pdf	PKIKP	01 42 13.4 +1.8
	baz=271							baz=283						GNI	Garni	120.18 310c	fPKIKP	Pmax	PKIKP	01 42 11.9 +0.2
Z55A	Blythe	115.23	59	Pdiff	Pdif	01 38 16.5 +3.2	ALGO	Algonquin Park	116.73	44	Pdiff	Pdif	01 38 21.3 +1.5	GNI	comp=Z,774nm,1.0s	120.18 310	PKP		PKIKP	01 42 12.4 +0.7
	baz=273							baz=284						GNI	comp=Z,33nm,1.0s,baz=207,slow=12,SNR=3.1		PKPKbc	PKKPab	01 52 20.7 +0.3	
D50A	C1974 Best Tow	115.28	43	Pdiff	Pdif	01 38 15.7 +2.3	LSQO	Lebanon-Quev	116.74	41	Pdiff	Pdif	01 38 21.6 +1.9	ODNJ	Ogdensburg	120.20 49	ePKP	Pdf	PKIKP	01 42 12.1 +0.7
	baz=281							baz=270					ZEL	Tsey	120.23 313	fPKIKP	Pmax	PKIKP	01 42 14.9 +3.2	
957A	Wimauna	115.29	65	Pdiff	Pdif	01 38 15.4 +1.6	060Z	West Palm Beac	116.80	66	Pdiff	Pdif	01 38 23.4 +2.9	GOF	Gofitskoye	120.27 316	ePKIKP	Pmax	PKIKP	01 42 16.6 +5.1
	baz=270							baz=274					GOF	Gofitskoye	120.27 316	ePKIKP	Pmax	PKIKP	01 42 16.6 +5.1	
857A	Zephyrhills	115.29	64	Pdiff	Pdif	01 38 15.4 +1.6	O55A	Ligonier	116.83	51	Pdiff	Pdif	01 38 20.5 +0.1	BRNJ	Basking Ridge	120.31 49	ePKP	Pdf	PKIKP	01 42 12.6 +1.0
	baz=271							baz=274					ACCN	Andronack Cong	120.36 46	ePKP	Pdf	PKIKP	01 42 12.0 +0.3	
356A	Blacksburg	115.31	61	Pdiff	Pdif	01 38 16.1 +2.3	NHSC	New Hope	116.87	59	ePKP	Pdf	01 38 21.3 +0.6	LPSR	Galich ya Gora	120.36 325	ePKIKP	Pmax	PKIKP	01 42 10.9 -0.4
	baz=272							baz=274					LPSR	comp=Z,220nm,1.2s	120.52 47	ePKP	Pdf	PKIKP	01 42 12.1 +0.1	
P53A	Whipple	115.33	52	ePKP	Pdf	01 42 02.6 +0.6	CMBG	Cumal	116.89	95	eP	PKP	01 42 06.3 -0.1	TRY	Troy	120.56 324	ePKIKP	Pmax	PKP	01 42 09.0 -2.7
	baz=276							baz=274					VORR	Voronetz	120.56 324	ePKIKP	Pmax	PKP	01 42 09.0 -2.7	
KLBO	Killbear Provi	115.36	45	Pdiff	Pdif	01 38 15.2 +1.5	CMBG	Cumal	116.89	95	eP	PKP	01 42 07.8 +1.4	VORR	Voronetz	120.56 324	ePKIKP	Pmax	PKP	01 42 09.0 -2.7
	baz=280							baz=274					VORR	Voronetz	120.56 324	ePKIKP	Pmax	PKP	01 42 09.0 -2.7	
O53A	New Philadelph	115.37	51	Pdiff	Pdif	01 38 14.3 +0.4	CMBG	Cumal	116.89	95	eP	PKP	01 42 07.8 +1.4	VORR	Voronetz	120.56 324	ePKIKP	Pmax	PKP	01 42 09.0 -2.7
	baz=277							baz=274					VORR	Voronetz	120.56 324	ePKIKP	Pmax	PKP	01 42 09.0 -2.7	
APA	Apafity	115.38	341	fPKIKP	Pmax	01 42 01.0 -0.3	WVLO	Wesleyville	116.89	46	Pdiff	Pdif	01 38 21.0 +0.4	VORR	Voronetz	120.56 324	ePKIKP	Pmax	PKP	01 42 09.0 -2.7
	baz=277							baz=274					VORR	Voronetz	120.56 324	ePKIKP	Pmax	PKP	01 42 09.0 -2.7	
PAULI	Pauline	115.40	57	ePKP	Pdf	01 42 03.4 +1.1	E53A	Dumoine, Ponti	116.91	44	Pdiff	Pdif	01 38 24.2 +3.6	VORR	Voronetz	120.56 324	ePKIKP	Pmax	PKP	01 42 09.0 -2.7
	baz=278							baz=282					VORR	Voronetz	120.56 324	ePKIKP	Pmax	PKP	01 42 09.0 -2.7	
K52A	Tillsenburg	115.41	48	Pdiff	Pdif	01 38 16.2 +2.2	060A	Indiantown	116.97	65	Pdiff	Pdif	01 38 24.3 +3.1	VORR	Voronetz	120.56 324	ePKIKP	Pmax	PKP	01 42 09.0 -2.7
	baz=278							baz=271					VORR	Voronetz	120.56 324	ePKIKP	Pmax	PKP	01 42 09.0 -2.7	
M54A	Tazewell	115.42	54	Pdiff	Pdif	01 38 16.9 +2.6	N55A	Marion Center	116.98	50	Pdiff	Pdif	01 38 22.7 +1.6	VORR	Voronetz	120.56 324	ePKIKP	Pmax	PKP	01 42 09.0 -2.7
	baz=275							baz=279					VORR	Voronetz	120.56 324	ePKIKP	Pmax	PKP	01 42 09.0 -2.7	
456A	Hilliard	115.42	61	Pdiff	Pdif	01 38 16.6 +2.3	N55A	Medina	116.99	47	Pdiff	Pdif	01 38 21.5 +0.5	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 11.8 +0.1
	baz=272							baz=280					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 11.8 +0.1	
757A	Oxford	115.43	63	Pdiff	Pdif	01 38 16.0 +1.6	BANO	Bancroft	117.01	45	Pdiff	Pdif	01 38 24.0 +3.0	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=271							baz=282					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
F51A	Arnstein	115.46	44	Pdiff	Pdif	01 38 16.6 +2.5	M55A	Ridgway	117.04	49	Pdiff	Pdif	01 38 25.1 +3.7	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=281							baz=279					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
256A	Glennville	115.49	60	Pdiff	Pdif	01 38 17.7 +3.1	SUMG	Summit	117.14	8	iP	PKIKP	01 42 05.3 +0.2	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=273							baz=280					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
J52A	Paris	115.52	47	Pdiff	Pdif	01 38 16.4 +2.0	SUMG	Summit	117.14	8	iP	PKIKP	01 42 05.3 +0.2	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=279							baz=280					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
N53A	Lisbon	115.59	50	Pdiff	Pdif	01 38 15.9 +1.1	L55A	Hinsdale	117.17	48	Pdiff	Pdif	01 38 23.1 +1.2	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=277							baz=280					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
657A	Interlachen	115.59	63	Pdiff	Pdif	01 38 16.3 +1.2	E54A	Lac Daplat, Po	117.22	43	Pdiff	Pdif	01 38 23.3 +1.9	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=271							baz=282					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
I52A	Shelburne	115.60	46	Pdiff	Pdif	01 38 16.3 +1.4	DELO	DeIoro Mine	117.33	46	Pdiff	Pdif	01 38 24.3 +1.9	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=280							baz=282					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
D51A	Lot 18 Range I	115.61	43	Pdiff	Pdif	01 38 13.7 -1.0	I55A	Frankford	117.34	46	Pdiff	Pdif	01 38 22.8 +0.3	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=282							baz=281					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
TMCR	Tamitsa	115.62	337	ePKIKP	Pmax	01 42 01.1 -0.7	K55A	Perry	117.34	48	Pdiff	Pdif	01 38 24.4 +1.7	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=282							baz=280					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
TMCR	Tamitsa	115.62	337	ePKIKP	Pmax	01 42 01.1 -0.7	PEMO	Pembroke	117.34	44	Pdiff	Pdif	01 38 22.4 -0.1	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=282							baz=282					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
M53A	WI Miller and	115.63	49	Pdiff	Pdif	01 38 16.3 +1.3	O56A	Blue Knob Stat	117.38	50	Pdiff	Pdif	01 38 23.2 +0.3	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=278							baz=279					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
E51A	C1948 Merrick	115.64	44	Pdiff	Pdif	01 38 18.2 +3.3	D54A	Lac Fusel, La	117.41	43	Pdiff	Pdif	01 38 22.9 +0.1	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=281							baz=284					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
058A	Arcadia	115.68	65	Pdiff	Pdif	01 38 16.1 +0.6	GCUF	Volcan Galeras	117.41	94	eP	PKIKP	01 42 07.8 +0.3	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=270							baz=284					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
957A	Orange Park	115.70	62	Pdiff	Pdif	01 38 19.3 +3.8	GCUF	Volcan Galeras	117.41	94	eP	PKIKP	01 42 07.8 +0.3	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=275							baz=284					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
558A	Wauchula	115.72	65	Pdiff	Pdif	01 38 18.1 +2.4	J55A	Hilton	117.43	47	Pdiff	Pdif	01 38 23.9 +1.0	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=270							baz=281					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
G00Z	Mina Guanaco	115.72	125	ePKP	Pdf	01 42 05.3 +1.7	LVC	Limon Verde	117.44	123	ePKP	Pdf	01 42 08.2 +1.1	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=271							baz=280					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
ACTO	Acton	115.76	47	Pdiff	Pdif	01 38 18.2 +2.6	LVC	Limon Verde	117.44	123	ePKP	Pdf	01 42 08.2 +1.1	OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0
	baz=279							baz=280					OBN	Obninsk	120.57 328	fPKIKP	Pmax	PKIKP	01 42 10.6 -1.0	
KM5C	Kings Mountain	115.77	56	ePKP	Pdf	01 42 03.9 +0.9	LVC	Limon Verde	117.44	123	ePKP	Pdf	01 42 08							





Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like AOS Alonnissos, ZKR Zakros, WTSB Winterswijk, etc.

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like EANR 'Ain N'Sour, SHEL Horse Pasture, MHEG Montargil, etc.

Table with columns: Station Name, Frequency, Mode, and other technical details. Includes stations like NVAR Mina Array Bea, NV01 Mina Array Sit, MK22 Mina Array, etc.

ISCJB 06 01:31:08.8:0.3, 11778S:0'08:165:09E:0'07, h10km, mb5.0/16, Error ellipse: s-maj=13.5km s-min=8.6km az=146.3

IDC 06 01:31:08.8:1.0, 11695S:165:27E, h0km, mb4.9/11, Error ellipse: s-maj=35.4km s-min=28.2km az=169.0

NEIC 06 01:31:10.0:0.2, 10775S:164:63E, h10km, mb5.1/5, Error ellipse: s-maj=9.7km s-min=6.9km az=127.0

ISC 06 01:31:10.0:0.6, 118S:0'11:165:2E:0.1, h10km, m63, az=075/61, mb5.0/16, Santa Cruz Islands

Table with columns: Code, Station Name, Frequency, Mode, and other technical details. Includes stations like PATS Pohnpet, WRA Warramunga Arr, WR1 Warramunga Arr, etc.

1511/238,mb5.4/61, Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
HNR	Honiara	5.88 288	ePn	Pn	01 33 15.9 +0.5					
HNR	Honiara	5.88 288	ePn	Pn	01 33 15.9 +0.5					
HNR	Honiara	5.88 288	ePn	Pn	01 33 15.9 +0.5					
DZM	Mont Dzumac	10.75 176	ePn	Pn	01 34 22.4 +0.1					
DZM	Mont Dzumac	10.75 176	ePn	Pn	01 34 23.1 +0.8					
ONTNC	Ouen Toro	10.99 176	ePn	Pn	01 34 26.1 +0.7					
EIDS	Eidsvold	19.64 223	ePn	Pn	01 36 17.1 +0.4					
CTA	Charters Tower	20.58 242	ePn	Pn	01 36 28.1 +1.0					
CTA	Charters Tower	20.58 242	ePn	Pn	01 36 28.1 +1.0					
CTA	Charters Tower	20.58 242	ePn	Pn	01 36 28.1 +1.0					
CTAO	Charters Tower	20.58 242	ePn	Pn	01 36 27.5 +0.4					
CTAO	Charters Tower	20.58 242	ePn	Pn	01 36 27.5 +0.4					
COEN	Coen	22.07 261	ePn	Pn	01 36 42.8 -0.3					
ARMA	Armidale	23.05 212	ePn	Pn	01 36 53.4 -0.1					
OUZ	Omahuta	24.91 164	ePn	Pn	01 37 10.3 -0.5					
MXZ	Matakaoa Point	28.54 159	ePn	Pn	01 37 43.5 0.0					
URZ	Urewera	28.76 161	ePn	Pn	01 37 46.2 +0.7					
URZ	Urewera	28.76 161	ePn	Pn	01 37 47.0 +1.5					
BKZ	Black Stump Fm	29.40 163	ePn	Pn	01 37 51.7 +0.4					
BFZ	Birch Farm	30.74 164	ePn	Pn	01 38 01.9 -1.2					
SNZO	South Karori	30.95 167	ePn	Pn	01 38 03.1 -1.8					
WRAB	Tennant Creek	31.28 250	ePn	Pn	01 38 05.6 -2.4					
WRAB	Tennant Creek	31.28 250	ePn	Pn	01 38 05.6 -2.4					
WRAB	Tennant Creek	31.28 250	ePn	Pn	01 38 05.6 -2.4					
WRA	Warramunga Arr	31.29 250	ePn	Pn	01 38 06.7 -1.4					
WRA	Warramunga Arr	31.29 250	ePn	Pn	01 38 06.7 -1.5					
WRA	Warramunga Arr	31.29 250	ePn	Pn	01 38 06.7 -1.5					
WRA	Warramunga Arr	31.29 250	ePn	Pn	01 38 06.7 -1.5					
TOO	Toolangi	31.81 211	ePn	Pn	01 38 13.3 +0.8					
TOO	Toolangi	31.81 211	ePn	Pn	01 38 13.3 +0.8					
TOO	Toolangi	31.81 211	ePn	Pn	01 38 13.3 +0.8					
LTZ	Lake Taylor	31.91 171	ePn	Pn	01 38 15.1 +1.8					
OXZ	Oxford	32.40 171	ePn	Pn	01 38 18.8 +1.2					
AS31	Alice Springs	32.58 244	ePn	Pn	01 38 18.3 -1.2					
ASAR	Alice Springs	32.58 244	ePn	Pn	01 38 18.3 -1.2					
ASAR	Alice Springs	32.58 244	ePn	Pn	01 38 18.3 -1.2					
ASAR	Alice Springs	32.58 244	ePn	Pn	01 38 18.3 -1.2					
RPZ	Rata Peaks	32.65 173	ePn	Pn	01 38 21.3 +1.5					
RPZ	Rata Peaks	32.65 173	ePn	Pn	01 38 21.3 +1.5					
LBZ	Lake Benmore	32.22 174	ePn	Pn	01 38 23.2 -1.5					
BBOO	Buckley Creek	34.58 227	ePn	Pn	01 38 36.0 -0.8					
FITZ	Fitzroy Crossi	39.20 255	ePn	Pn	01 39 16.4 +0.1					
FITZ	Fitzroy Crossi	39.20 255	ePn	Pn	01 39 16.4 +0.1					
FITZ	Fitzroy Crossi	39.20 255	ePn	Pn	01 39 16.4 +0.1					
FORA	Foreast	39.81 235	ePn	Pn	01 39 20.8 -0.4					
BATI	Baumata	41.21 267	ePn	Pn	01 39 32.7 -0.3					
BATI	Baumata	41.21 267	ePn	Pn	01 39 32.7 -0.3					
MWBA	Marble Bar	45.01 251	ePn	Pn	01 40 02.3 -1.3					
OBL	Observatory Le	49.13 52	ePn	Pn	01 40 35.1 -0.8					
NWAO	Narrogin (SRO)	49.23 236	ePn	Pn	01 40 36.1 -0.3					
NWAO	Narrogin (SRO)	49.23 236	ePn	Pn	01 40 36.1 -0.3					
NWAO	Narrogin (SRO)	49.23 236	ePn	Pn	01 40 36.1 -0.3					
KKM	Kota Kinabalu	52.09 287	ePn	Pn	01 40 58.7 +0.3					
MJAR	Matushiro Arr	54.13 333	ePn	Pn	01 41 11.4 -1.5					
MJAR	Matushiro Arr	54.13 333	ePn	Pn	01 41 11.4 -1.5					
MAJO	Matsushiro	54.13 333	ePn	Pn	01 41 11.4 -1.5					
UGM	Uwanagana	54.37 268	ePn	Pn	01 41 14.7 -0.5					
JNU	Nakatsue	55.20 324	ePn	Pn	01 41 20.5 -0.3					
JNU	Nakatsue	55.20 324	ePn	Pn	01 41 20.5 -0.3					
KSM	Kuching	56.42 279	ePn	Pn	01 41 30.1 +0.2					
ASAJ	Asahikawa	58.98 341	ePn	Pn	01 41 47.2 -0.1					
ASAJ	Asahikawa	58.98 341	ePn	Pn	01 41 47.2 -0.1					
ASAJ	Asahikawa	58.98 341	ePn	Pn	01 41 47.2 -0.1					
ASAJ	Asahikawa	58.98 341	ePn	Pn	01 41 47.2 -0.1					
KSR5	Korea Array	60.01 326	ePn	Pn	01 41 56.1 +1.6					
KSR5	Korea Array	60.01 326	ePn	Pn	01 41 56.1 +1.6					
KSR5	Korea Array	60.01 326	ePn	Pn	01 41 56.1 +1.6					
KSR5	Korea Array	60.01 326	ePn	Pn	01 41 56.1 +1.6					
KS15	Wonju Array S1	60.02 326	ePn	Pn	01 41 56.1 +1.5					
KSAR	Wonju Array Be	60.02 326	ePn	Pn	01 41 56.1 +1.5					
KSAR	Wonju Array Be	60.02 326	ePn	Pn	01 41 56.1 +1.5					
MYKOM	Kota Tinggi	62.76 278	ePn	Pn	01 42 15.8 +2.1					
USRK	Ussuriysk Arr	63.11 333	ePn	Pn	01 42 15.2 -0.1					
USRK	Ussuriysk Arr	63.11 333	ePn	Pn	01 42 15.2 -0.1					
PEA0B	Petropavlovsk-	64.49 355	ePn	Pn	01 42 35.4 +1.1					
PETK	Petropavlovsk-	64.49 355	ePn	Pn	01 42 34.5 +0.3					
PETK	Petropavlovsk-	64.49 355	ePn	Pn	01 42 24.5 +0.3					
PETK	Petropavlovsk-	64.49 355	ePn	Pn	01 42 24.5 +0.3					
PEA1	Petropavlovsk-	64.50 355	ePn	Pn	01 42 24.5 +0.2					
BKNI	Bangkinang	65.17 277	ePn	Pn	01 42 29.9 +0.4					
IPM	Ipo	66.14 280	ePn	Pn	01 42 34.9 -0.9					
VNDA	Vanda	66.25 181	ePn	Pn	01 42 36.3 +0.9					
VNDA	Vanda	66.25 181	ePn	Pn	01 42 36.3 +0.9					
NIKH	Nikolski High	67.64 16	ePn	Pn	01 42 45.5 +0.6					
GS1	Gunsong	68.76 276	ePn	Pn	01 42 52.0 -0.4					
CM01	Chiang Mai Arr	72.07 294	ePn	Pn	01 43 12.8 +0.3					
CM31	Chiang Mai Arr	72.10 294	ePn	Pn	01 43 13.9 +1.3					
CMAR	Chiang Mai Arr	72.10 294	ePn	Pn	01 43 13.5 +0.9					
CMAR	Chiang Mai Arr	72.10 294	ePn	Pn	01 43 13.5 +0.9					
CMAR	Chiang Mai Arr	72.10 294	ePn	Pn	01 43 13.5 +0.9					
CHTO	Chiang Mai	72.21 294	ePn	Pn	01 43 14.6 +1.3					
CHTO	Chiang Mai	72.21 294	ePn	Pn	01 43 14.6 +1.3					
KDAK	Kodiak Island	76.84 22	ePn	Pn	01 43 39.6 +0.3					
KDAK	Kodiak Island	76.84 22	ePn	Pn	01 43 39.6 +0.3					
KDAK	Kodiak Island	76.84 22	ePn	Pn	01 43 39.6 +0.3					
KDAK	Kodiak Island	76.84 22	ePn	Pn	01 43 39.6 +0.3					
QSPA	South Pole Pk	78.20 180	ePn	Pn	01 43 51.1 +1.1					
RSO	Redoubt South	78.79 20	ePn	Pn	01 43 51.4 +1.0					
SONA0	Songoino Array	78.79 324	ePn	Pn	01 43 50.2 -0.4					
SONM	Songoino Array	78.79 324	ePn	Pn	01 43 50.2 -0.4					
SONM	Songoino Array	78.79 324	ePn	Pn	01 43 50.2 -0.4					
SONM	Songoino Array	78.79 324	ePn	Pn	01 43 50.2 -0.4					
SONM	Songoino Array	78.79 324	ePn	Pn	01 43 50.2 -0.4					
BILL	Bilibino	79.12 0	ePn	Pn	01 43 50.8 -1.0					
BILL	Bilibino	79.12 0	ePn	Pn	01 43 50.8 -1.0					
BILL	Bilibino	79.12 0	ePn	Pn	01 43 50.8 -1.0					
BILL	Bilibino	79.12 0	ePn	Pn	01 43 50.8 -1.0					

BRDH	Bariadhala	79.89 296	P	PKKP	01 43 57.3 +0.3
BRDH	Bariadhala	79.89 296	P	PKKP	01 43 57.3 +0.3
BRDH	Bariadhala	79.89 296	P	PKKP	01 43 57.3 +0.3
SHL	Shilling	80.53 298	eP	P	01 44 01.7 +1.1
SHL	Shilling	80.53 298	eP	P	01 44 01.7 +1.1
DIV	Divide	81.67 22	eP	P	01 44 06.6 +0.8
TLY	Talaya	82.26 326	eP	P	01 44 08.7 -0.3
TLY	Talaya	82.26 326	eP	P	01 44 08.7 -0.3
TLY	Talaya	82.26 326	eP	P	01 44 08.7 -0.3
HARP	HAARP	82.75 21 <td>eP</td> <td>P</td> <td>01 44 12.4 +1.1</td>	eP	P	01 44 12.4 +1.1
WRH	Wood River Hill	83.19 18	eP	P	01 44 17.0 +3.4
MDM	Murphy Dome	83.50 18	eP	P	01 44 15.2 +0.1
HDA	Harding Lake	83.51 19	eP	P	01 44 14.9 -0.3
HDA	Harding Lake	83.51 19	eP	P	01 44 14.9 -0.3
TCOL	CIGO, UAF Yank	83.55 18	P	P	01 44 15.3 0.0
COLA	College	83.55 18	eP	P	01 44 15.6 +0.2
COLA	College	83.55 18	eP	P	01 44 15.6 +0.2
ILAR	Eielson Array	83.78 19	P	P	01 44 16.1 -0.4
ILAR	Eielson Array	83.78 19	P	P	01 44 16.1 -0.4
ILAR	Eielson Array	83.78 19	P	P	01 44 16.1 -0.4
ILB	Eielson Array	83.78 19	P	P	01 44 17.1 +0.5
POKR	Poker Flat Res	83.85 18	P	P	01 44 16.1 -0.8
SCRK	Sand Creek	84.18 20	eP	P	01 44 19.6 +0.8
AFKM	Forest Hills D	84.45 49	eP	P	01 44 21.5 +0.9
SKAG	Skagway	84.81 26	eP	P	01 44 25.5 +3.7
EDW2	Edwards Air Fo	85.46 53	P	P	01 44 26.3 +0.4
J05D	Fort Rock, OR	85.70 44	P	P	01 44 28.2 +1.2
CWC	Cottonwood Cre	85.85 52	P	P	01 44 28.5 +0.7
LRMC	Laurel Mtn Rad	85.88 53	P	P	01 44 28.9 +0.9
TIN	Timemaha, Big	85.92 51	P	P	01 44 29.3 +1.1
NV01	Mina Array Sit	86.27 50	eP	P	01 44 29.9 -0.1
NVAR	Mina Array Bea	86.27 50	eP	P	01 44 29.9 -0.1
NVAR	Mina Array Bea	86.27 50	eP	P	01 44 29.9 -0.1
SWSC	Sam W Stewart	86.67 56	P	P	01 44 32.5 +0.7
B05A	Bryant	86.86 40	P	P	01 44 32.8 +0.5
TUQ	Turquoise Moun	87.24 53	P	P	01 44 35.6 +0.9
IRM	Iron Mountain	87.52 55	P	P	01 44 37.2 +1.3
Y12C	Blythe	87.91 55	P	P	01 44 38.7 +0.9
MK01	Makanchi Array	93.60 317	eP	P	01 45 03.9 -0.1
MK32	Makanchi Array	93.61 317	eP	P	01 45 03.8 -0.2
MKAR	Makanchi Array	93.61 317			











6d 1h

MOSI	comp=N,1375um,0.8s	AML	AML				
MOSI	comp=N,1375um,0.8s	AML	AML				
MYKA	Terra Mystica comp=E,8.84um,0.8s	2.71	25	Pn	Pn	01 37 32.8 +1.0	
PGF	Pioggiola comp=E,8.5nm,0.4s	2.71	234	ePn	Pn	01 37 32.8 +0.9	
PGF				eSn	Pn	01 38 04.5 +0.6	
ROSI	Roskopf comp=E,7.75nm,0.3s	2.77	352	AML	AML		
ROSI	comp=E,6.11um,1.5s			AML	AML		
ROSI	comp=N,740um,0.8s			AML	AML		
ROSI	comp=N,740um,0.8s			AML	AML		
OZLI	Ozalj	2.87	59	ePn	Pn	01 37 34.8 +0.9	
OBKA	Obir	2.95	37	Pn	Pn	01 37 35.9 +0.8	
FETA	Feichten comp=N,5.8nm,0.2s	2.96	343	Pn	Pn	01 37 37.7 +2.4	
FETA	Sankt Quirin comp=N,15nm,0.2s,SNR=12			Sn	Sn	01 38 13.0 +3.0	
CRES	Cresnevj	2.97	55	ePn	Pn	01 37 36.0 +0.7	
DAVOX	Davos/Dischum comp=N,290um,0.6s	2.98	331	AML	AML		
DAVOX	comp=E,284um,1.6s			AML	AML		
DAVOX	comp=N,290um,0.6s			AML	AML		
KBA	Koelnbreinsper	3.05	18	ePn	Pn	01 37 37.8 +1.2	
SQTA	Sankt Quirin comp=N,19nm,0.2s,SNR=57	3.08	350	ePn	Pn	01 37 38.9 +2.0	
SQTA				eSn	Sn	01 38 14.1 +1.3	
WTTA	Waltenberg comp=N,5.2nm,0.2s	3.08	356	ePn	Pn	01 37 39.4 +2.4	
WTTA	comp=N,38nm,0.3s			eSn	Sn	01 38 15.5 +2.5	
WATA	Waldalim	3.16	355	ePn	Pn	01 37 40.6 +2.5	
MOTA	Motera comp=N,7.7nm,0.1s,SNR=23	3.21	349	ePn	Pn	01 37 41.4 +2.6	
SBF	Sospel	3.28	136	ePn	Pn	01 37 41.0 +1.3	
SBF				eSn	Sn	01 38 17.7 -0.1	
SOKA	Sothob	3.29	40	ePn	Pn	01 37 40.5 +0.6	
RETA	Reutte comp=N,4.8nm,0.3s	3.40	346	ePn	Pn	01 37 43.8 +2.5	
RETA	comp=N,6.7nm,0.2s,SNR=20			eSn	Sn	01 38 23.8 +3.0	
DAVA	Damuels	3.42	336	ePn	Pn	01 37 44.6 +2.9	
DAVA	comp=N,22nm,0.2s,SNR=18			eSn	Sn	01 38 24.7 +3.3	
ISO	Isola	3.54	272	P	Pn	01 37 44.9 +1.8	
ISO				S	Pn	01 38 28.1 +4.1	
BNALP	Bannalp comp=N,363um,0.4s	3.66	318	AML	AML		
BNALP	comp=E,294um,1.4s			AML	AML		
BNALP	comp=N,363um,0.4s			AML	AML		
SURF	Saint Ours	3.71	276	P	Pn	01 37 47.1 +1.5	
MBDF	Montbardon	3.76	280	ePn	Pn	01 38 31.4 +2.9	
MBDF				eSn	Sn	01 38 29.3 -0.3	
BLY	Banja Luka	3.78	80	ePn	Pn	01 37 46.0 -0.4	
LPG	La Plagne	3.93	291	ePn	Pn	01 37 49.3 +0.5	
LPG				eSn	Sn	01 38 33.1 -1.0	
ARSA	Arzberg	3.95	38	ePn	Pn	01 37 49.1 +0.4	
LPL	La Plagne	3.95	291	ePn	Pn	01 37 49.9 +0.9	
LPL				eSn	Sn	01 38 33.6 -0.9	
MOA	Molin	4.00	23	iPn	Pn	01 37 50.9 +1.5	
MOA	comp=E,20nm,0.4s			eSn	Sn	01 38 36.4 +1.0	
LMR	La Moure	4.04	260	ePn	Pn	01 37 51.5 +1.4	
LMR				eSn	Sn	01 38 36.1 -0.4	
RSL	Rosellen	4.08	293	P	Pn	01 37 52.7 +2.0	
BEHE	Becsehely	4.09	54	ePn	Pn	01 37 50.2 -0.5	
ORIF	Oris-en-Rattie	4.14	282	ePn	Pn	01 37 57.7 +2.5	
ORIF				eSn	Pn	01 38 44.7 -0.9	
ORIF				Sb	Pn	01 38 51.8 -7.7	
ORIF	comp=E,10nm,0.4s						
ORIF	Oris-en-Rattie	4.41	282	P	Pn	01 37 57.1 +1.9	
ORIF				S	Pn	01 38 48.6 +2.9	
OG02	Monnetier-Morn	4.51	298	P	Pn	01 37 58.7 +2.1	
SMRF	Simiane la Rot	4.61	270	ePn	Pn	01 37 59.2 +1.3	
SMRF				eSn	Pn	01 38 49.3 -1.2	
CONA	Conrad Observa	4.62	35	ePn	Pn	01 37 58.7 +0.7	
CONA	comp=E,2.6nm,0.2s			eSn	Sn	01 38 52.0 +1.2	
CONA	comp=E,6.0nm,0.3s						
OGSM	Saint Maurice	4.67	290	P	Pn	01 38 00.3 +1.5	
KIZ	Kirchzarten	4.70	325	P	Pn	01 38 00.7 +1.5	
LOMF	Lomont	4.79	313	P	Pn	01 38 01.4 +1.1	
CABF	La Chapelle	4.79	302	ePn	Pn	01 38 01.9 +1.4	
CABF				eSn	Pn	01 38 03.7 +1.5	
TREB	Trebjane	4.88	105	ePn	Pn	01 37 59.6 -1.9	
OG35	Cercelles	4.89	295	P	Pn	01 38 02.8 +1.1	
BRY	Bratogost	4.95	103	ePn	Pn	01 38 02.4 -0.3	
MOF	Molkenrain	4.97	319	P	Pn	01 38 03.7 +0.8	
HAPS	Han Pjlesak, BI	5.03	89	ePn	Pn	01 38 03.3 -0.4	
OPF	Oppenau	5.04	330	P	Pn	01 38 04.3 +0.8	
HINF	Hinterflaas	5.08	317	ePn	Pn	01 38 05.0 +0.6	
HINF				eSn	Sn	01 39 00.4 -1.7	
MORH	Mrgy, Hungar	5.14	64	ePn	Pn	01 38 04.0 -1.0	
ECH	Echternach	5.23	322	P	Pn	01 38 07.7 +0.9	
VIVF	Saint-Julien-L	5.26	280	ePn	Pn	01 39 05.0 -1.4	
WLS	Welschbruch	5.29	325	P	Pn	01 38 08.7 +1.4	
WLS	Chemp du feu	5.33	324	ePn	Pn	01 39 06.2 -2.0	
CDF	comp=E,33nm,0.3s						
ZST	Bratislava	5.36	40	ePn	Pn	01 38 07.1 -1.1	
ZST				eSn	Pn	01 39 06.4 -2.6	
HAU	Haudompre	5.46	316	ePn	Pn	01 38 10.3 +0.8	
HAU				eSn	Pn	01 39 09.3 -2.1	
MODS	Modra-Piesok	5.57	39	ePn	Pn	01 38 10.7 -0.4	
PDGM	Podgorica	5.60	106	ePn	Pn	01 38 13.0 +1.5	
DRM	Dravecica, Mon	5.64	108	ePn	Pn	01 38 13.3 +1.2	
KRUC	Krivoslavsky	5.75	30	ePn	Pn	01 39 17.0 -1.5	
KRUC				eSn	Pn	01 39 17.0 -1.5	
THEF	They Montfort	5.79	316	P	Pn	01 38 15.4 +1.4	
LASF	Ste Croix	5.84	272	ePn	Pn	01 38 16.0 +1.3	
LASF				eSn	Pn	01 39 19.0 -1.7	
PAGF	Fort de Pagny	6.14	318	ePn	Pn	01 38 19.6 +0.8	
PAGF				eSn	Pn	01 39 21.3 -1.1	
SMF	Signal de Mont	6.22	296	ePn	Pn	01 38 20.0 +0.8	
SMF				eSn	Pn	01 39 28.1 -2.1	
SFTF	Sextfontaines	6.26	312	ePn	Pn	01 38 21.6 +1.1	
SFTF				eSn	Pn	01 39 28.8 -2.3	
YVHS	Yhne	6.41	45	eSn	Sn	01 39 31.8 -3.1	
MEZF	Matzeries J'vi	6.44	314	ePn	Pn	01 39 34.4 +1.5	
MEZF				eSn	Sn	01 39 33.0 -2.5	
ABH	Alteburg	6.44	334	P	Pn	01 38 24.4 +1.3	
LOR	Lormes	6.45	301	P	Pn	01 38 24.1 +0.9	
LOR				eSn	Pn	01 39 33.2 -2.7	
LOR	Lormes	6.45	301	P	Pn	01 38 24.1 +0.9	
AVF	Avril sur Loir	6.59	296	ePn	Pn	01 38 25.9 +0.9	
AVF				eSn	Sn	01 39 35.4 -2.7	
AVF	comp=E,2.7nm,0.2s						

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SSF	Saint Saulge	6.59	299	ePn	Pn	01 38 25.7 +0.7	
SSF				eSn	Sn	01 39 36.7 -2.5	
WLF	Wallerfangen	6.77	326	iPn	Pn	01 38 30.7 +3.2	
WLF				iSn	Pn	01 39 39.5 -4.0	
BGF	Bois d'Angland	6.84	293	ePn	Pn	01 38 28.7 +0.2	
BGF				eSn	Pn	01 39 41.9 -3.6	
MTLF	Montoliou	7.11	267	ePn	Pn	01 38 33.6 +1.4	
MTLF				eSn	Pn	01 39 49.5 -2.5	
CLL	Collm	7.16	5	iPn	Pn	01 38 32.6 -0.2	
CLL				Sb	Pn	01 40 46.0 +2.8	
TCF	Toulx Ste Croi	7.20	290	ePn	Pn	01 38 34.9 +1.5	
TCF				eSn	Pn	01 39 51.5 -2.7	
MEM	Membach	7.58	330	iPn	Pn	01 38 40.7 +2.0	
MEM				iSn	Pn	01 40 00.0 -3.6	
GIVF	Givet	7.66	323	ePn	Pn	01 38 41.7 +2.1	
GIVF				eSn	Pn	01 39 57.5 -7.9	
DOU	Dourbes	7.75	322	iPn	Pn	01 38 43.9 +3.0	
DOU				iSn	Pn	01 40 02.8 -4.9	
BAIF	Baives	7.90	321	ePn	Pn	01 38 44.9 +1.9	
BAIF				eSn	Pn	01 40 03.4 -7.9	
<p>ISC 06 01:41:38.5:2.9,12.00S:165:52E, h0km, mb4.4/2, mb1 4.5/2, mb1mx3.9/50, mbtmp4.4/2, Error ellipse: s-maj=124.1km s-min=48.2km az=134.0, Santa Cruz Islands</p>							
Code	Station Name	Δ°	AZ°	Op	Phase ID	Time Res	ISC h m s ISC
HNR	Honiara	5.39	285	Pn	Pn	01 41 49.3 +1.6	
DZM	Mont Dzumac	11.16	174	Pn	Pn	01 43 07.8 +0.9	
CTA	Charters Tower	20.41	241	Pn	Pn	01 45 07.0 +0.7	
CTA	Charters Tower	20.41	241	ePn	Pn	01 45 07.4 +0.5	
COEN	Coen	21.74	250	ePn	Pn	01 45 17.4 -1.0	
COZ	Ohaueta	25.37	164	ePn	Pn	01 45 53.7 -0.2	
BKZ	Black Stump Fm	29.88	162	ePn	Pn	01 46 34.1 -0.1	
H1N1	WAKE ISLAND Hy 30.47	3	T	T		02 18 56.3	
H1N1	WAKE ISLAND Hy 30.48	3	T	T		02 18 44.4	
H1N2	WAKE ISLAND Hy 30.49	3	T	T		02 18 59.0	
WR1	Warramunga Arr	31.05	249	ePn	Pn	01 46 45.1 +0.3	
WR1	Warramunga Arr	31.05	249	P	Pn	01 46 45.1 +0.3	
THZ	Tophouse	31.47	169	ePn	Pn	01 46 49.4 +1.2	
AS31	Alice Springs	32.39	243	ePn	Pn	01 46 57.3 +0.7	
ASAR	Alice Springs	32.39	243	P	Pn	01 46 57.3 +0.7	
BBOO	Buckleboe	34.55	226	ePn	Pn	01 47 13.0 -2.2	
MJAR	Matushiro Arr	53.61	333	ePn	Pn	01 49 47.9 +0.1	
MAJU	Matsushiro	53.62	333	ePn	Pn	01 49 47.9 +0.1	
MAJU	Kakato	54.67	325	ePn	Pn	01 49 55.7 +0.1	
JNU	Nakatsue	54.67	325	P	Pn	01 49 55.7 +0.1	
ASAJ	Asahikawa	58.50	341	P	Pn	01 50 22.2 -0.4	
KSRS	Korea Array	59.47	326	P	Pn	01 50 30.9 +1.4	
KS15	Wonju Array Si	59.49	326	ePn	Pn		



6d 1h

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Table with columns: ULN, comp, time, speed, status, and other race details. Includes entries like Redoubt South, ANM Nome, BRK Bradley Lake, etc.

Table with columns: OMMB, BFCF, MLAC, MURC, YERR, J05D, CWC, LRM, KNGR, PAHR, M04D, E04D, J05D, MONPZ, RAMN, DAWY, PINE, D04E, DAC, RYN, MPMC, PFO, PFO, PFO, NV01, NVAR, XPFO, NV11, GSC, F05D, GRAC, SWSC, KVN, JIRN, HEC, BELC, FURC, TIXI, TIXI, TIXI, GUN, PALK, PALK, PALK, PALK, BC3, TUQ, I07A, GMRC, WFOR, PKI, PKIN, TPNV, GLA, GLA, GLA, IRM, DMN, J08A, LDFO, Y12C, Y12C, HAWA, G08A, SHPR, 113A, R11A, R11A, PDMCI, W13A, B08A, 214A, DANN, KOLN, ELK, ELK, ELK, F10A, PYUN, MFID, PSUT, LCMT, CCUT, WMQ, WMQ, WMQ, WMQ.

Table with columns: WMQ, SZCU, KNB, KNB, NEW, U15A, INK, INK, INK, X16A, TUC, TUC, HLID, HLID, TCRU, MTPU, WUAZ, WUAZ, DUG, DUG, BGU, MSU, HYB, HVV, HUU, NLU, SPUT, DGZ, DGZ, MPU, X18A, CTU, MSO, JLU, MCMT, DGAR, TCUT, HWUT, DLMT, LRM, QLMT, FXWY, TPWU, REDW, 121A, IMW, YHB, SNOW, HRY, PV05, MOOW, PV09, PV14, PV19, PV23, PV17, PV20, PV16, PV21, PV04, PV11, PV03, PV12, PV02, PV01, PV07, LKWY, LKWY, PV15, PDAR, LAZ, LENM, O20A, MK01, MK31, MKAR, MKAR, ZAAO, ZALV, ZALV, ZAA1, ENM, MAKZ, MAKZ, ANMO, ANMO, NVS, NVS.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like NVS, YKA, YKBS, LTX, TXAR, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like VRI, VRI, MLR, Muntele Rosu, SECR, UZH, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like ESDC, MTE, Mantelgis, etc.

SOME 06:01:52:10.8, 42:58N:79:58E, h20km
KRNET 06:01:52:10.8, 0.1, 42:59N:79:62E, h19km, mb3.5
NINC 06:01:52:12.1, 2.0, 42:65N:79:54E, h0km, mb3.5, mpv3.5.

Error ellipse: s-maj=13.2km s-min=8.0km az=142.0
ISC 06:01:52:11.2, 1.5, 42:59N:0.05:79:63E, 0.05, h10km, n47,
e097/84, 17C-10D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like UZB, UZB, UZB, etc.







6d 1h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like PPSI Pulau Pagai, GRNR Gornyy, IPM Iph, etc.

2013 FEB

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like CMAR comp=Z,52um,21.9s, BSI Banda Aceh, CMMT Chiang Mai, etc.

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Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like KLU Klutina, BPAW Bear Paw Mtn, ZAK Zakamensk, etc.

FMP	Fort Macarthur baz=254	84.28	54	P	P	02 06 47.1 -0.3
G03D	McMinnville, O baz=249,SNR=7.9	84.31	42	P	P	02 06 47.8 +0.5
I04A	Tendick Farm, baz=250,SNR=9.7	84.39	44	P	P	02 06 47.5 -0.3
DECC	Green Verdugo baz=253	84.40	54	P	P	02 06 48.0 -0.1
J04D	Umpqua Nationa baz=250,SNR=19	84.40	44	P	P	02 06 47.7 -0.4
H04D	Lebanon baz=250,SNR=11	84.42	43	P	P	02 06 48.4 +0.5
RUBR	Rubicon Trail comp=Z,1um,1.6s	84.43	49	eP	P	02 06 52.2 +3.8
K04D	Chiloquin, OR baz=250,SNR=14	84.44	45	P	P	02 06 48.4 +0.1
PASC	Pasadena Art C comp=Z,1um,1.7s	84.44	54	eP	P	02 06 49.0 +0.5
BEKR	Beckworth comp=Z,655nm,1.8s	84.54	48	eP	P	02 06 49.1 +0.2
ODAN	Odare baz=256,SNR=11	84.56	298	eP	P	02 06 48.8 -0.5
MWC	Mount Wilson baz=254,SNR=11	84.61	54	eP	P	02 06 49.4 0.0
MWC	Mount Wilson comp=Z,1um,1.6s	84.61	54	eP	P	02 06 49.4 0.0
MWC						
ISA	Isabella, Lake comp=Z,1um,1.6s	84.69	52	eP	P	02 06 49.8 +0.2
ISA	Isabella, Lake comp=Z,1um,1.6s	84.69	52	eP	P	02 06 49.8 +0.2
FYU	Fort Yukon comp=Z,2um,1.8s	84.71	18	eP	P	02 06 49.1 +0.3
NLWA	Neilton Lookou baz=253,SNR=62	84.71	40	eP	P	02 06 52.5 +3.1
KNGR	Kungurtug, Tuv F04D	84.79	41	eP	P	02 06 49.9 +0.2
WAKR	Walker comp=Z,1.18nm,1.6s	84.80	49	eP	P	02 06 50.6 +0.3
MDBP	Devils Postpil comp=Z,556nm,1.7s	84.81	50	eP	P	02 06 50.5 +0.1
EDWZ	Edwards Ar Fo baz=254,SNR=45	84.84	53	P	P	02 06 50.5 +0.2
H04A	Detroit Lake comp=Z,333nm,1.5s	84.85	43	eP	P	02 06 50.4 +0.3
PNTR	Pine Nut comp=Z,325nm,1.2s	84.86	49	eP	P	02 06 51.0 +0.5
OMMB	Old Mammoth M comp=Z,363nm,1.5s	84.86	50	eP	P	02 06 51.0 +0.2
WHY	Whitehorse comp=Z,30nm,1.1s	84.88	49	eP	P	02 06 49.2 -0.8
VNCR	Virginia City comp=Z,1.18nm,1.1s	84.88	49	eP	P	02 06 53.8 +3.2
BFSC	Mount Baldy Ra baz=254,SNR=38	84.93	54	P	P	02 06 50.9 -0.1
MLAC	Mammoth, Mammo baz=253,SNR=19	84.99	50	P	P	02 06 51.4 +0.1
I09C	Camp Elliot, M baz=254,SNR=12	85.00	55	P	P	02 06 51.2 +0.1
CPE	Camp Elliot comp=Z,339nm,1.8s	85.00	55	eP	P	02 06 52.0 +0.9
J05D	Fort Rock, OR baz=251,SNR=25	85.02	44	P	P	02 06 50.4 -0.8
DAWY	Dawson comp=Z,528nm,1.7s	85.03	21	eP	P	02 06 50.7 +0.1
YERR	Yerington comp=Z,271nm,1.5s	85.09	49	eP	P	02 06 51.4 -0.3
MURC	Murrieta baz=254,SNR=26	85.12	55	P	P	02 06 51.6 -0.2
BOK	Bokaro baz=254,SNR=26	85.14	295	eP	P	02 06 51.6 -0.4
PAHR	Pah Rah Range baz=253,SNR=14	85.20	48	eP	P	02 06 50.7 -1.5
CWC	Cottonwood Cre baz=253	85.22	52	P	P	02 06 51.8 -0.6
MOD	Modoc Plateau comp=Z,603nm,1.7s	85.22	46	eP	P	02 06 52.4 +0.2
MAW	Mawson comp=Z,129nm,1.3s	85.24	202	eP	P	02 06 52.4 +0.7
MAW	Mawson comp=Z,7.7nm,1.2s,baz=100,slow=6.1,SNR=3.1	85.24	202	eP	P	02 06 52.4 +0.7
E04D	Cinebar baz=250,SNR=15	85.25	41	P	P	02 06 52.2 +0.2
D03D	Eldon baz=249,SNR=10.0	85.26	40	P	P	02 06 52.4 +0.3
LRMC	Laurel Mtn Rd baz=254,SNR=20	85.26	53	P	P	02 06 52.3 -0.3
RAMT	Ramite comp=Z,1um,1.9s	85.27	298	eP	P	02 06 52.5 -0.4
TIN	Tinemaha, Big baz=253,SNR=24	85.28	51	P	P	02 06 52.5 -0.1
BAR	Barrett comp=Z,376nm,1.8s	85.30	56	eP	P	02 06 52.8 +0.2
I05D	Terrebonne, OR baz=251,SNR=18	85.30	43	P	P	02 06 51.3 -1.2
D04E	Lakebay baz=249	85.33	40	P	P	02 06 53.1 +0.7
PINE	Pine Mountain comp=Z,608nm,1.6s	85.39	44	eP	P	02 06 53.7 +0.6
PGC	Sidney comp=Z,535nm,1.6s	85.44	39	eP	P	02 06 53.5 +0.6
RYN	Ryan comp=Z,486nm,1.8s	85.52	50	eP	P	02 06 54.1 +0.3
BBRC	Big Bear Solar baz=254	85.52	54	P	P	02 06 53.6 -0.4
DAC	Darwin (Calif) comp=Z,387nm,1.6s	85.55	52	eP	P	02 06 52.9 -1.2
DAC	Darwin (Calif) comp=Z,387nm,1.6s	85.55	52	eP	P	02 06 52.9 -1.2
MONP2	Monument Peak baz=255,SNR=38	85.56	56	P	P	02 06 54.0 -0.2
MPMC	Manual Prospec baz=254,SNR=37	85.57	52	P	P	02 06 53.7 -0.5
TIXI	Tiksi comp=Z,829nm,1.5s	85.58	349	eP	P	02 06 49.6 -3.5
TIXI	Tiksi comp=Z,303nm,1.2s	85.58	349	iP	P	02 06 52.8 -0.3
G05D	Wamic, OR baz=251,SNR=10	85.62	43	P	P	02 06 54.1 +0.1
NV01	Mina Array Sit 85.63	50	eP	P	02 06 54.0 -0.5	
NVAR	NVAR comp=Z,53nm,1.0s,baz=238,slow=7.7,SNR=29	85.63	50	eP	P	02 06 54.0 -0.4
NVAR	NVAR comp=Z,2.0nm,0.8s,baz=153,slow=1.0,SNR=4.1	85.63	50	eP	P	02 33 09.0 +5.9
NVAR	NVAR comp=Z,54um,18.7s,baz=295,slow=32	85.63	50	eP	P	02 40 25.9
RRX	Edison Barstow baz=254	85.63	54	P	P	02 06 54.3 +0.1
PFO	Pinyon Flats O comp=Z,480nm,1.8s	85.72	55	eP	P	02 06 55.0 +0.1
PFO	Pinyon Flats O baz=255,SNR=27	85.72	55	P	P	02 06 54.5 -0.3
PFO	Pinyon Flats O comp=Z,23nm,1.0s,baz=270,slow=5.0,SNR=14	85.72	55	eP	P	02 06 54.6 -0.2
XPFO	Pion Fla comp=Z,491nm,1.8s	85.72	55	eP	P	02 06 55.0 +0.1
F05D	White Salmon baz=250,SNR=12	85.74	42	P	P	02 06 54.9 +0.4
NV11	Mina Array Sit comp=Z,30nm,1.3s	85.74	50	eP	P	02 06 55.2 +0.3
IKP	In-Ko-Pah, Jac baz=255,SNR=33	85.75	56	P	P	02 06 54.9 -0.1
JIRN	Jiri comp=Z,3um,1.8s	85.79	299	eP	P	02 06 54.9 -0.8
LOH	Longmire comp=Z,174nm,1.6s	85.80	41	eP	P	02 06 55.8 +0.9
D05A	Enumclaw comp=Z,283nm,1.4s	85.84	41	eP	P	02 06 56.0 +1.0
GSC	Goldstone, Bar comp=Z,809nm,1.9s	85.90	53	eP	P	02 06 55.9 +0.2
GSC	Goldstone, Bar baz=254,SNR=39	85.90	53	eP	P	02 06 55.5 -0.1
DLBC	Dease Lake comp=Z,240nm,1.9s	85.91	28	eP	P	02 06 55.8 +0.6
A04D	Lummi Island baz=249	85.92	39	P	P	02 06 55.6 +0.3
GRAC	Grapevine Rang baz=254,SNR=41	85.93	51	P	P	02 06 55.7 0.0
KVN	Kaiserville comp=Z,254nm,1.4s	85.96	49	eP	P	02 06 54.6 -1.4
KVN	Kaiserville comp=Z,254nm,1.4s	85.96	49	eP	P	02 06 54.7 -1.4
SWSC	Sam W. Stewart baz=255,SNR=40	86.08	56	P	P	02 06 56.5 0.0
GUN	Gumba comp=Z,254nm,1.4s	86.12	299	eP	P	02 06 55.2 -2.1

B05A	Bryant comp=Z,3um,1.9s	86.14	40	P	P	02 06 56.5 +0.1
HEC	Hector,Ludlow baz=250,SNR=28	86.14	54	P	P	02 06 56.6 -0.3
FURC	Furnace Creek, baz=254,SNR=42	86.17	52	P	P	02 06 56.9 +0.1
BELC	Belle Mtn, Jos baz=255,SNR=48	86.19	55	P	P	02 06 57.0 -0.3
PKI	Pulchoki comp=Z,2um,1.7s	86.44	299	eP	P	02 06 56.7 -2.1
PKIN	Pulchoki comp=Z,2um,1.7s	86.45	299	eP	P	02 06 56.7 -2.1
I07A	Izee comp=Z,2.327nm,1.4s	86.47	44	eP	P	02 06 58.5 +0.1
SHOC	Shoshone, Teco baz=254,SNR=19	86.47	53	P	P	02 06 58.5 +0.1
BC3	Big Chuckawall comp=Z,1um,1.8s	86.54	55	P	P	02 06 59.0 +0.1
PALK	Pallekele comp=Z,1.18nm,1.0s	86.54	278	P	P	02 06 59.0 -0.3
PALK	Pallekele comp=Z,1.18nm,1.0s	86.54	278	P	P	02 06 59.0 -0.3
PALK	Pallekele comp=Z,1.18nm,1.0s,baz=115,slow=7.6,SNR=3.3	86.54	278	P	P	02 06 59.0 -0.3
WVOR	Wild Horse Val comp=Z,524nm,1.6s	86.57	46	eP	P	02 06 59.7 +0.8
KKN	Kanab comp=Z,2um,1.8s	86.61	299	eP	P	02 06 58.1 -1.4
B06A	Marblemont comp=Z,349nm,1.8s	86.61	39	eP	P	02 06 58.4 -0.3
TUQ	Turquoise Moun baz=255,SNR=28	86.63	53	P	P	02 06 59.0 -0.3
GMRC	Granite Mounta baz=255,SNR=42	86.67	41	eP	P	02 06 59.3 -0.2
LTY	Liltoet comp=Z,1.92nm,1.4s	86.71	41	eP	P	02 06 59.1 -0.3
DMN	Daman comp=Z,2um,1.5s	86.71	299	eP	P	02 06 58.9 -1.2
F07A	Phinny Hill Vi comp=Z,2um,1.5s	86.75	42	eP	P	02 06 59.8 +0.3
TPNV	Topopah Spring comp=Z,1um,2.0s	86.78	52	eP	P	02 07 00.2 +0.1
TPNV	Topopah Spring comp=Z,1um,2.0s	86.78	52	eP	P	02 07 00.1 0.0
C06D	Leavenworth baz=251	86.78	40	P	P	02 06 59.8 +0.2
GLA	Glamis comp=Z,1um,1.8s	86.89	56	eP	P	02 06 59.7 -0.9
GLA	Glamis comp=Z,1um,1.8s	86.89	56	eP	P	02 06 59.7 -0.9
GLA	Glamis comp=Z,1um,1.8s	86.89	56	eP	P	02 07 01.4 +0.8
GLA	Glamis comp=Z,256,SNR=53	86.89	56	P	P	02 07 01.5 +0.9
IRM	Iron Mountain baz=255,SNR=71	86.92	55	P	P	02 07 00.3 -0.4
J08A	Circle Bar Ran comp=Z,307nm,1.3s	86.96	45	eP	P	02 07 00.7 -0.4
LLL	Lillooet comp=Z,399nm,1.9s	87.09	37	eP	P	02 07 00.7 -0.4
HAWA	Hanford comp=Z,289nm,1.4s	87.17	42	eP	P	02 07 01.8 +0.2
LDFC	Landfair comp=Z,1um,1.6s	87.18	54	eP	P	02 07 02.0 +0.1
G05A	Pilot Rock comp=Z,616nm,1.8s	87.21	43	eP	P	02 07 02.0 +0.1
Y12C	Blythe comp=Z,647nm,1.5s	87.31	55	eP	P	02 07 03.1 +0.6
Y12C	Blythe baz=256,SNR=43	87.31	55	P	P	02 07 03.6 +1.0
NEE2	Needles Airpor baz=256,SNR=14	87.49	54	P	P	02 07 04.0 +0.6
SHPR	Sheep Range comp=Z,980nm,1.8s	87.51	42	eP	P	02 07 04.1 +0.5
E08A	Dider Farm, El comp=Z,557nm,1.4s	87.52	42	eP	P	02 07 03.5 +0.4
R11A	Troy Canyon, C comp=Z,74nm,1.8s	87.66	50	eP	P	02 07 04.4 +0.1
R11A	Troy Canyon, C baz=255,SNR=48	87.66	50	P	P	02 07 04.9 +0.6
I13A	Mohawk Valley, baz=255,SNR=56	87.69	56	eP	P	02 07 05.1 +0.8
SRIG	Santa Rosalia comp=Z,666nm,1.9s	87.71	62	eP	P	02 07 06.2 +1.7
PDMCI	Parker Dam,Lak baz=255,SNR=56	87.76	55	P	P	02 07 05.1 +0.5
D08A	Wollman Farm, 87.78	41	eP	P	02 07 04.5 +0.1	
B08A	Collville Reser comp=Z,447nm,1.9s	87.91	40	eP	P	02 07 05.1 0.0
DANN	Dangsing 88.04	299	eP	P	02 07 03.7 -2.8	
KOLN	Koldana comp=Z,1um,1.9s	88.05	299	eP	P	02 07 04.4 -2.1
MDRS	Chennai comp=Z,1um,1.9s	88.09	284	eP	P	02 07 05.3 -1.3
E09A	Wood Farm, St comp=Z,545nm,1.8s	88.12	42	eP	P	02 07 06.2 +0.2
W13A	Hualapai Moun comp=Z,584nm,1.6s	88.16	54	eP	P	02 07 07.4 +0.5
BMO	Blue Mountains comp=Z,700nm,1.9s	88.20	44	eP	P	02 07 06.3 -0.3
BMO	Blue Mountains comp=Z,700nm,1.9s	88.20	44	eP	P	02 07 06.4 -0.3
214A	Organ Pipe Nat baz=257	88.28	57	P	P	0

6d 1h

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like LKWY Lake, PV07 Paradox Valley, and many others.

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Table with columns: Station, Frequency, Power, and other technical details. Includes stations like LTX Lajitas, TXAR Lajitas Array, and many others.

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Table with columns: Station, Frequency, Power, and other technical details. Includes stations like ULM Lac du Bonnet, ULM Lac du Bonnet, and many others.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details. Includes stations like AKASG, KMBQ, LMBT, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details. Includes stations like TIH, MORH, GERES, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details. Includes stations like ETRT, PMST, PSMA, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details. Includes stations like IDU, ISCB, etc.

Table with columns: Call sign, Frequency, Power, Mode, and other technical details. Includes stations like IDU, ISCB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like MZK Matakaoa Point, URZ Urewera, H1S1 WAKE ISLAND Hy 29.48, etc.

ICD 06:02:00:07.0.1.6, 10'35S:165'19E, h0km, mb4.6/4, mb1 4.9/1, mb1mx4.3/45, mbtmp4.8/5, ML4.8/1, Error ellipse: s-maj=51.9km s-min=28.4km az=125.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, etc.

ICD 06:02:00:38.8.1.1, 10'25S:165'48E, h0km, mb4.6/10, mb1 4.9/1, mb1mx4.3/46, mbtmp4.6/11, ML4.8/1, Error ellipse: s-maj=34.3km s-min=19.7km az=133.0, ISCJB 06:02:00:41.6.0.8, 11'05S:0:165'4E, 0.1, h30km, mb4.5/9,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like DZM Mont Dzumac, CTA Charters Tower, WRA Warramunga Arr, etc.

ICD 06:02:01:04.8.0.9, 11'13S:165'41E, h0km, mb4.7/6, mb1 5.1/7, mb1mx4.5/46, mbtmp4.8/7, ML4.5/1, Error ellipse: s-maj=51.5km s-min=21.2km az=139.0, NEIC 06:02:01:06.0.0.3, 11'11S:165'37E, h10km, mb5.3/8, Error ellipse: s-maj=10.7km s-min=9.9km az=130.0, ISCJB 06:02:01:07.2.0.3, 11'20S:0:165'29E, 0.07, h30km, mb5.3/17, Error ellipse: s-maj=11.8km s-min=7.8km az=135.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like DZM Mont Dzumac, CTA Charters Tower, COEN Coen, etc.

ICD 06:02:01:08.8.0.5, 11'12S:0:165'4E, 0.1, h30km, n51, 06'52'01, mb5.4/17, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like DZM Mont Dzumac, CTA Charters Tower, COEN Coen, etc.

ISC 06:02:05:05.6.36'96N-28'93E, h8km, ML2.4/7, Dodecanese Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like DALY Dallyn (Mula), DALY Dallyn, TUEN Turunc, etc.

ICD 06:02:05:30.2.2.1, 11'37S:165'47E, h0km, mb4.1/7, mb1 4.3/7, mb1mx4.0/40, mbtmp4.1/7, Error ellipse: s-maj=114.4km s-min=22.6km az=145.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

ICD 06:02:06:17.5.0.5, 10'57S:165'68E, h0km, mb4.9/28, mb1 5.0/30, mb1mx4.9/42, mbtmp4.9/30, ML5.6/2, Error ellipse: s-maj=15.6km s-min=11.7km az=99.0, NEIC 06:02:06:20.4.0.2, 10'52S:165'43E, h10km, mb5.3/14, Error ellipse: s-maj=6.4km s-min=5.1km az=97.0, MOS 06:02:06:20.9.1.3, 10'50S:165'49E, h28km, mb5.2/31, Error ellipse: s-maj=9.0km s-min=8.3km az=89.9, ISCJB 06:02:06:21.7.0.1, 10'72S:0:165'45E, 0.03, h31km, mb5.2/161, Error ellipse: s-maj=3.9km s-min=3.0km az=160.6

ICD 06:02:06:23.2.0.3, 10'62S:0:165'52E, 0.06, h31km, n400, 06'56'37, mb5.2/161, 6C-5D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like MJAR Matsushiro Arr, KSRS Korea Array, ILAR Eielson Array, etc.

ICD 06:02:02:30.4.1.3, 11'11S:165'44E, h0km, mb4.4/5, mb1 4.7/6, mb1mx4.2/46, mbtmp4.5/6, ML4.0/1, Error ellipse: s-maj=47.7km s-min=27.1km az=126.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

ICD 06:02:03:33.4.1.1, 11'10S:165'37E, h0km, mb4.2/4, mb1 4.5/6, mb1mx4.0/45, mbtmp4.4/6, ML4.0/2, Error ellipse: s-maj=40.5km s-min=26.0km az=138.0, ISCJB 06:02:03:36.1.1.1, 11'2S:0:165'3E, 0.2, h30km, mb4.1/4, Error ellipse: s-maj=22.0km s-min=18.5km az=150.4, ISC 06:02:03:37.9.1.1, 11'1S:0:165'3E, 0.2, h30km, n6, 06'55'6, mb4.1/4, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

ISC 06:02:05:05.6.36'96N-28'93E, h8km, ML2.4/7, Dodecanese Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like DALY Dallyn (Mula), DALY Dallyn, TUEN Turunc, etc.

ICD 06:02:05:30.2.2.1, 11'37S:165'47E, h0km, mb4.1/7, mb1 4.3/7, mb1mx4.0/40, mbtmp4.1/7, Error ellipse: s-maj=114.4km s-min=22.6km az=145.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

ICD 06:02:06:17.5.0.5, 10'57S:165'68E, h0km, mb4.9/28, mb1 5.0/30, mb1mx4.9/42, mbtmp4.9/30, ML5.6/2, Error ellipse: s-maj=15.6km s-min=11.7km az=99.0, NEIC 06:02:06:20.4.0.2, 10'52S:165'43E, h10km, mb5.3/14, Error ellipse: s-maj=6.4km s-min=5.1km az=97.0, MOS 06:02:06:20.9.1.3, 10'50S:165'49E, h28km, mb5.2/31, Error ellipse: s-maj=9.0km s-min=8.3km az=89.9, ISCJB 06:02:06:21.7.0.1, 10'72S:0:165'45E, 0.03, h31km, mb5.2/161, Error ellipse: s-maj=3.9km s-min=3.0km az=160.6

ICD 06:02:06:23.2.0.3, 10'62S:0:165'52E, 0.06, h31km, n400, 06'56'37, mb5.2/161, 6C-5D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.

ICD 06:02:06:27.9.1.1, 10'65S:165'40E, h0km, mb4.8/11, mb1 5.0/12, mb1mx4.6/46, mbtmp4.8/12, ML3.9/1, Error ellipse: s-maj=28.2km s-min=19.1km az=102.0, ISCJB 06:02:01:30.4.0.8, 10'74S:0:165'4E, 0.2, h31km, mb4.8/10, Error ellipse: s-maj=21.3km s-min=13.7km az=177.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like DZM Mont Dzumac, CTA Charters Tower, WRA Warramunga Arr, etc.

ICD 06:02:01:32.5.1.0, 10'75S:0:165'4E, 0.2, h31km, n12, 06'59'12, mb4.8/10, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like DZM Mont Dzumac, CTA Charters Tower, WRA Warramunga Arr, etc.

Table with columns: Call Sign, Location, Frequency, Power, Mode, and other technical details. Includes stations like HAUITI, HIZ, WHRZ, etc.

Table with columns: Call Sign, Location, Frequency, Power, Mode, and other technical details. Includes stations like MAJO, MAJO, MAT, etc.

Table with columns: Call Sign, Location, Frequency, Power, Mode, and other technical details. Includes stations like YAK, YAK, YAK, etc.



6d 2h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PFO Pinyon Flats O, NV11 Mila Array Sit, GSC Goldstone, GRAC Grapevine Rang, KVN Kaiserville, KVN Kaiserville, SWSC Sam W. Stewart, HEC Hector Ludlow, FURC Furnace Creek, BELC Belle Mtn. Jos, SHOC Shoshone, BC3 Big Chuckwall, GLMC Granite Mounta, GLA Glamis, GLA Glamis, IRM Iron Mountain, J08A Circle Bar Ran, LDLC Landfair, Y08A Pilot Rock, G12B Blythe, E08A Dider Farm, SHPR Sheep Ranch, R11A Troy Canyon, R11A Troy Canyon, G08A Wollman Farm, PDMCI Parker Dam, W13A Hualapai Mount, BMO Blue Mountains, BMO Blue Mountains, W14Q Organ Pipe Nat, W21Q Urumqi, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, W14A Wickenburg, LCMT Little Creek M, CCUT Cedar Valley, SZCU Shurtz Canyon, U15A North Rim, HLID Hailey, HLID Hailey, PKCU Pink Cliffs, X16A Lo Mia Camp, TUC Tucson, TUC Tucson, TCRU Three Creeks R, DGZ Jazator, MTPU Mount Pierson, BGU Big Grassy Mou, WUAZ Wupatki, WUAZ Wupatki, MSU Marysle, HVU Hansel Valley, HVU Hansel Valley, NLU North Lily Min, SPUT South Promonto, MPU Maple Canyon, CTU Camp Tracy, Q16A Castle Valley, X18A Snowflake, TMUT Trail Mountain, JLU Jordanelle, HWUT Hardware Ranch, DLMT Dillon, SYO Syowa Base, SYO Syowa Base, BOZ Bozeman (W), BOZ Bozeman (W), HRY Holter Resear, MK01 Makanchi Array, MK31 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, BW06 Boulder Array, PD31 Pinedale Array, PD31 Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array.

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Table with columns: ANMO Albuquerque, ANMO Albuquerque, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, YKBS Yellowknife Ar, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, KURB Kurchatov Ar, KSH Kashi, KSH Kashi, SNA Sanae, SNA Neumayer Olymp, VMA3 Neumayer-Watz, VMA3 Ely, E38A The Farm, BRU, ARAO ARCESS Array S, ARCES ARCESS Array B, ARCES ARCESS Array B, FIAO FINESS Array S, FINES FINES Array B, FINES FINES Array B, CPUP Villa Florida, CPUP Villa Florida, SDV Santo Domingo, BOSA Boshof, BOSA Boshof, NB2 NORARS Subarray, NB20 NORARS Array S, NOA NORARS Array B, NOA NORARS Array B, VYHS Vyhne, CLL Collin, GEC2 GERESS Array S, GERES GERESS Array B, GERES GERESS Array B, HGN Heimangroev, KEST Kesra, KEST Kesra, ESCD Sonseca Array, ESCD Sonseca Array, TORD Torodi Ar, TORD Torodi Ar, TOA1 Torodi Ar, IDC 06:02:07:23.8, IDC 06:02:07:26.5, IDC 06:02:07:28.4, Code Station Name, DZM Mont Dzumac, PETK Petropavlovsk, KDAK Kodiak Island, SONM Songoing Array, ILAR Eielson Array, NVAR Mina Array Bea, ZALV Zalesovo Beam, PDAR Pinedale Array, YKA Yellowknife Ar, MEX 06:02:07:54.0, Code Station Name, IDC 06:02:09:16.7, IDC 06:02:09:18.1, IDC 06:02:09:20.4, Code Station Name, WRA Warramunga Arr, ASAR Alice Springs, SONM Songoing Array, SONM Songoing Array, TLY Talaya, HDA Harding Lake, TCOL CIGO, UAF Yank, O02D Mt. Diablo Mer, ILAR Eielson Array, ILB Eielson Array, K02D Willamette Mer, POKR Poker Plat Res, N02D Unity Center, M02C Callahan, SBC Santa Barbara, O03E Paynes Creek, L04D Klamath Falls, M04C Macdoel, I04A Tendick Farm, ISA Isabella, Lake, EDW2 Edwards Air Fo, J05D Fort Rock, OR, CWC Cottonwood Cre, LRMC Laurel Htn Rad, TIN Tinemaha, Big, MONP Monument Peak, MPMC Manual Prospec, NV01 Mina Array Sit.

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Table with columns: PB12 IPOC Station P, PB12 IPOC Station P, LPAZ La Paz, PB03 IPOC Station P, PB03 IPOC Station P, PB06 IPOC Station P, CYA Choya, CYA Choya, ACCLO CERRO LA CRUZ, APPL PUNTA DE LOS L, APPL comp-Z,11nm,0.5s, IDC 06:02:11:01.1, ISCJB 06:02:11:03.0, NEIC 06:02:11:02.5, ISC 06:02:11:04.1, Code Station Name, HNR Honiara, HNR Honiara, DZM Mont Dzumac, EIDS Eidsvoll, CTA Charters Tower, COEN Coen, ARMA Armidale, KNTN Kanton, OUZ Omahuta, NIUE Niue, NIUE Niue, BRZ Black Stump Fm, STKA Stephens Creek, BFZ Birch Farm, WRH Tophouse, THAB Taranaki Creek, WR1 Warramunga Arr, WRA Warramunga Arr, KHZ Kahutara, FOZ Fo Glacier, AS31 Alice Springs, ASAR Alice Springs, RPZ Rata Rata, LBZ Lake Benmore, MTN Mantion Dam, MLZ Mavora Lakes, FITZ Fitzroy Crossi, NWA0 Narragoin (SRO), MORW Morwell, LPH Lapaohoe, MJAR Matsushiro Arr, MAJO Kodjak Island, JNU Nakatsue, JNU Nakatsue, ASAJ Asahikawa, KRSR Korea Array, KS15 Wonju Array Si, KS13 Wonju Array, USSR Ussuriysk Arr, PETK Petropavlovsk, PEA1 Petropavlovsk, KLR Kul'dur, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, KDAK Kodiak Island, KDAK Kodiak Island, SONA Songoing Array, SONM Songoing Array, TLY Talaya, HDA Harding Lake, TCOL CIGO, UAF Yank, O02D Mt. Diablo Mer, ILAR Eielson Array, ILB Eielson Array, K02D Willamette Mer, POKR Poker Plat Res, N02D Unity Center, M02C Callahan, SBC Santa Barbara, O03E Paynes Creek, L04D Klamath Falls, M04C Macdoel, I04A Tendick Farm, ISA Isabella, Lake, EDW2 Edwards Air Fo, J05D Fort Rock, OR, CWC Cottonwood Cre, LRMC Laurel Htn Rad, TIN Tinemaha, Big, MONP Monument Peak, MPMC Manual Prospec, NV01 Mina Array Sit.



6d 2h

Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like URZ Urewera, STKA Stephens Creek, WRA Warramunga Arr, etc.

IDC 06:02:16:24.0, 7.1, 11.20S; 165.79E, h0km, mb4.6/16, mb1.4/7.18, mb1mx4.6/37, mbtmp4.6/18, ML4.9/2, Error ellipse: s-maj=26.7km s-min=15.6km az=139.0, IS/CJB 06:02:16:28.4, 0.3, 11.30S; 0.07:165.57E; 0.04, h30km, mb4.9/42, Error ellipse: s-maj=10.1km s-min=5.8km az=164.9

NEIC 06:02:16:28.2, 4.5, 11.24S; 165.69E, h19km, mb5.1/28, Error ellipse: s-maj=10.8km s-min=8.2km az=174.0, ISC 06:02:16:29.8, 0.5, 11.33S; 0.1x165.68E; 0.08, h30km, t988, r1503/99, mb5.0/42, Santa Cruz Islands

Main station list for 6d 2h, including HNR Honiara, DZM Mont Dzumac, CTA Charters Tower, STKA Stephens Creek, WRAB Tennant Creek, WB2 Warramunga Arr, WRI Warramunga Arr, WRA Warramunga Arr, AS31 Alice Springs, ASAR Alice Springs, FITZ Fitzroy Crossi, MAJO Matushiro, KMI Kuming, CM1 Chiang Mai Arr, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CHTO Chiang Mai, KDAD Kodiak Island, SONAO Songino Array, SONMO Songino Array, BRLK Bradley Lake, GTA Gaotai, GUA Sunitina One, CAST Castle Rocks, DIV Divide, TRF Thorofore Moun, BWN Browne, IM3 Indian Mount, HARP HAARP, WRH Wood River Hill, MDM Murphy Dome, HDA Harding Lake, HDA Harding Lake, COLA CIGO, UAF Yank, COLA College, IL1 Eielson Array, ILAR Eielson Array, ILB Eielson Array, K02D Williamette Mre, POKR Poker Plat Res, N02D Trinity Center, SCRD Sand Creek, L04D Klamath Falls, HYT Haines Junctio, M04C Macdoel, ISA Isabella, Lake, EDW2 Edwards Air Fo, J05D Fort Rock, OR, YERR Yerington, DAWY Dawson, CWC Cottonwood Cre, MPMC Manual Prospe, NV01 Mina Array Sit, NVAR Mina Array Bea, GRAC Grapevine Rang, HEC Hector Ludlow, BELC Belle Mtn. Jos, BC3 Big Chuckawack, Y12C Blythe, PDMCI Parker Dam, Lak, 214A Organ Pipe Nat, LCMT Little Creek M, SZCU Shurtz Canyon, INK Inuvik, INK Inuvik, U15A North Rim

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Table with columns: Code, Station Name, Az, Op, Phase ID, Time Res, ISC, h, m, s, ISC. Includes stations like HLID Hailey, TUC Tucson, DUG Dugway, WUAZ Wupatki, MSU Marsysvale, HVU Hansley Valley, BOZ Bozeman (W), MK01 Makanchi Array, MK31 Makanchi Array, MK32 Makanchi Array, MK33 Makanchi Array, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, BW06 Boulder Array, PD31 Pinedale Array, PDAR Pinedale Array, YKA Yellowknife Ar, YKBS Yellowknife Ar, TXAR Lajitas, ARAO ARCES Array S, ARCES ARCES Array B, CPUP Compton, NB20 NORSTAR Array S, NOA NORSTAR Array B, GEC2 GERESS Array S, GERES GERESS Array B, KEST Kesra, ESDC Sonseca Array, TORO Torodi Arr, TOA1 Torodi Arr, Sit

IDC 06:02:18:07.7, 0.5, 11.54S; 165.67E, h0km, mb4.9/24, mb1.5/0.26, mb1mx4.9/38, mbtmp4.9/26, ML5.2/2, Error ellipse: s-maj=16.5km s-min=13.1km az=97.0, IS/CJB 06:02:18:11.0, 0.1, 11.49S; 0.03:165.52E; 0.03, h24km, mb5.1/154, Error ellipse: s-maj=4.1km s-min=3.6km az=7.8

NEIC 06:02:18:12.0, 2.1, 11.49S; 165.50E, h21km, 16km, mb5.2/11, Error ellipse: s-maj=5.9km s-min=5.1km az=212.0

MOS 06:02:18:11.9, 1.1, 11.45S; 165.42E, h30km, mb5.3/33, Error ellipse: s-maj=9.4km s-min=8.2km az=123.9, ISC 06:02:18:12.4, 0.3, 11.49S; 0.06:165.62E; 0.06, h24km, mb72, r1548/374, mb5.2/154, 10C-2D, Santa Cruz Islands

Main station list for 2013 FEB, including HNR Honiara, MARC Mare, Loyalty, DZM Mont Dzumac, DZM Mont Dzumac, OUN Ouen Toro, MNSV Nonsavu, MNSV Nonsavu, EIDS Eidsvold, CTA Charters Tower, CTAO Charters Tower, CTAO Charters Tower, MTSU Mount Surprise, COEN Coen, ARMA Armiale, OUZ Omahuta, QLP Quipte, MGCD Mangrove Creek, QIS Mount Isa, MKAZ Moumakai, CMSA Cobar Meteorol, YNG Young, HIZ Hauri, HAZ Te Kaha, MXZ Matakaoa Point, RUGZ Raukumara Rang, URZ Urewera, URZ Urewera, MWZ Matawai, TWGZ Tauwhareparae, PUZ Puketiti, KATZ Kakaramea, MTHZ Mungataniwha, SNZG Shannon Statio, CNZG Carnagh Statio, RAHZ Arah, RIGZ Rimuhau, BKZ Black Stump Fm, BKZ Black Stump Fm, NMHZ Naumai, BHZ Black Hill Sta, KWHZ Kaweka Forest, MILA Milia, TSZ Takapari Road, STKA Stephens Creek, STKA Stephens Creek, BFZ Birch Farm, SNZO South Karori, THZ Tophouse, WRAB Tennant Creek, WRAB Tennant Creek, WRAB Tennant Creek, WB2 Warramunga Arr, WRI Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, KHZ Kahutara, LTZ Lake Taupo, FOZ Fox Glacier

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Main station list for 344, including OXZ Oxford, KDU Kakadu, AS01 Asara Springs, RPZ Rata Peaks, AS31 Alice Springs, AS31 Alice Springs, ASAR Alice Springs, MQZ McQueen's Vall, HTT Hallett, LBZ Lake Benmore, MTN Mantion Dam, WHZ Wether Hill Ro, KNR Kunmura, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, MEEK Meekatharra, NWAO Narragin (SRO), NWAO Narragin (SRO), MORW Morawa, MUN Munding, TGY Tagaytay City, MAJOR Matushiro Arr, MAJO Matushiro, MAJO Matushiro, UGM Wangamata, JNU Nakatsue, JNU Nakatsue, TPUB Tapu, ASAJ Asahikawa, KSRS Koroa, KS15 Wonju Arr, KSAR Wonju Arr, KS01 Wonju Arr, YSS Yuzh-Sakhalins, YSS Yuzh-Sakhalins, NJ2 Nanjing, USRB Ussuriysk Arr, USRB Ussuriysk Arr, WHN Wuhan, MDJ Mudjanjing, MDJ Mudjanjing, PETK Petropavlovsk, PEA1 Petropavlovsk, CN2 Chanchung, GRNR Gor'ny, SKNT Sakoinakorn, KLR Kul'dur, ENH Enshi, NONG Nongkai, TRTT Trang, GYA Guiyang, GYA Guiyang, GYA Guiyang, GYA Guiyang, CHAI Chalyphayum, PATY Pattaya, PBKT Sadao Pong, TIY Taiyuan, TIY Taiyuan, TIY Taiyuan, XAN Xi'an, XAN Xi'an, XAN Xi'an, XAN Xi'an, SRDT SRDT, UTHA Uthaitani, SUKH Sukhthai, KMI Kunming, KMI Kunming, KMI Kunming, MA2 Magadan, MA2 Magadan, HHC Hu-ho-hao-te, HHC Hu-ho-hao-te, CM01 Chiang Mai Arr, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CMHT Chiang Mai, CMHT Chiang Mai, CHTO Chiang Mai, CHTO Chiang Mai

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like CHIHO, HIA, ZEA, CD2, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like HYT, I04A, BEKA, KNGR, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like MSU, MSU, DGZ, SYO, etc.

ICD 06-02:19:37.9;0.9, 10:90S;165;43E, h0km, mb4.5/8, mb1 4.7/9, mb1mx4.3/39, mbtmp4.6/9, ML4.6/1, Error ellipse: s-maj=32.2km s-min=20.3km az=131.0, ISCJB 02-02:19:40.7;0.8, 11:05S;0.1;165;43E, h0km, mb4.4/7, Error ellipse: s-maj=20.8km s-min=15.9km az=30.3









Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like NMHZ, BHHZ, STKA, STKA, etc.

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like ERM, ASAJ, SSE, SSE, etc.

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like KMI, KMI, KMI, KMI, etc.

6D 2h

DIV	Divide	81.54	22	eP	P	02 43 01.1	-1.2
TRF	Thorofore Moun	81.61	19	eP	P	02 43 02.0	-0.8
IRK	irkutsk	81.62	327	eP	P	02 43 03.3	+0.4
IRK							
TLY	Talaya	81.68	326	eP	P	02 43 02.1	-1.1
TLY	Talaya	81.68	326	iP	P	02 43 01.6	-1.6
TLY	Talaya	81.68	326	P	P	02 43 03.9	+0.7
KLU	Klutina	81.72	21	eP	P	02 43 02.0	-1.3
LSA	Lhasa	81.76	302	eP	P	02 43 04.1	-0.6
BPAW	Bear Paw Mtn.	81.87	18	eP	P	02 43 02.9	-1.1
RND	Reindeer	82.04	19	eP	P	02 43 03.5	-1.4
RND	Reindeer	82.04	19	eP	P	02 43 03.5	-1.4
RND							
RODG	Red Dog Mine	82.04	12	eP	P	02 43 03.7	-1.0
MCK	McKinley	82.24	19	eP	P	02 43 05.3	-0.6
MCK	McKinley	82.24	19	eP	P	02 43 05.3	-0.6
MCK							
DHY	Denali Highway	82.29	20	eP	P	02 43 05.4	-1.0
IM3	Indian Mountain	82.49	16	eP	P	02 43 06.0	-1.1
HARP	HAARP	82.60	21	eP	P	02 43 07.1	-0.7
MLY	Manley	82.62	17	eP	P	02 43 06.8	-1.1
KCPM	Cahto Peak	82.94	47	eP	P	02 43 09.7	-0.5
WRH	Wood River Hill	83.02	19	eP	P	02 43 09.1	-0.9
KMRM	Kami Ridge	83.03	47	eP	P	02 43 09.5	-1.2
MOY	Mondy	83.13	326	eP	P	02 43 11.7	+0.8
MOY							
MDM	Murphy Dome	83.32	18	eP	P	02 43 10.0	-1.5
HDA	Harding Lake	83.34	19	eP	P	02 43 10.3	-1.3
HDA	Harding Lake	83.34	19	eP	P	02 43 10.5	-1.1
TCOL	CIGO, UAF Yank	83.38	18	eP	P	02 43 10.6	-1.1
COLA	College	83.38	18	eP	P	02 43 10.3	-1.4
COLA	College	83.38	18	eP	P	02 43 10.3	-1.4
COLA							
RIDG	Independ'nt Rid	83.59	20	eP	P	02 43 12.2	-0.7
ILAR	Eielson Array	83.61	19	eP	P	02 43 12.0	-1.0
ILAR							
ILAR							
ILB	Eielson Array	83.61	19	eP	P	02 43 11.8	-1.1
IL1	Eielson Array	83.61	19	eP	P	02 43 11.7	-2.0
POKR	Poker Plat Res	83.67	18	eP	P	02 43 12.1	-1.2
O02D	Mt. Diablo Mer	83.68	47	eP	P	02 43 14.0	+0.1
K02D	Willamette Mer	83.94	45	eP	P	02 43 16.3	+1.1
WDC	Whiskeytown Da	83.99	47	eP	P	02 43 14.9	-0.6
WDC	Whiskeytown Da	83.99	47	eP	P	02 43 14.9	-0.6
WDC							
N02D	Trinity Center	84.01	46	eP	P	02 43 16.1	+0.5
SCRK	Sand Creek	84.03	20	eP	P	02 43 14.1	-1.2
M02C	Callahan	84.05	46	eP	P	02 43 15.7	-0.1
PAGB	Antelope Grade	84.14	52	eP	P	02 43 27.5	+1.9
ODAN	Odare	84.15	299	eP	P	02 43 17.7	+0.9
PKM	Mcperson Peak	84.23	53	eP	P	02 43 17.9	+0.8
YBH	Yreka Blue Hor	84.27	46	eP	P	02 43 15.7	-1.2
YBH	Yreka Blue Hor	84.27	46	eP	P	02 43 15.7	-1.2
YBH							
HUMO	Hull Mountain	84.39	45	eP	P	02 43 16.4	-1.0
ORV	Oroville	84.41	48	eP	P	02 43 16.4	-1.2
ORV	Oroville	84.41	48	eP	P	02 43 16.4	-1.2
ORV							
ORP	Paynes Creek	84.43	47	eP	P	02 43 18.1	+0.3
003E	Porcupine Dome	84.54	19	eP	P	02 43 17.0	-0.9
HYT	Haines Junctio	84.55	24	eP	P	02 43 16.5	-1.5
MAW	Mawson	84.59	202	eP	P	02 43 18.4	+0.4
MAW	Mawson	84.59	202	eP	P	02 43 18.4	+0.4
MAW							
MAW							
MAW							
AFDM	Forest Hills D	84.60	49	eP	P	02 43 17.1	-1.5
KNGR	Kung'ug, Tuv	84.64	324	iP	P	02 43 16.9	-1.8
L04D	Klamath Falls	84.72	45	eP	P	02 43 19.2	0.0
CMB	Columbia Colle	84.75	50	eP	P	02 43 18.0	-1.4
CMB	Columbia Colle	84.75	50	eP	P	02 43 18.0	-1.4
CMB							
RAMN	Ramite	84.85	299	eP	P	02 43 21.2	+0.8
M04C	Macdoel	84.90	46	eP	P	02 43 19.7	-0.5
I04A	Tendick Farm,	85.18	44	eP	P	02 43 19.9	-1.5
J04D	Umpqua Nationa	85.19	44	eP	P	02 43 22.9	+1.2
H04D	Lebanon	85.21	43	eP	P	02 43 22.5	+1.0
BEKR	Beckworth	85.34	48	eP	P	02 43 21.1	-1.4
JIRN	Jiri	85.39	299	eP	P	02 43 24.2	+1.0
MWC	Mount Wilson	85.42	54	eP	P	02 43 21.7	-1.3
MWC	Mount Wilson	85.42	54	eP	P	02 43 21.7	-1.3
MWC							
ISA	Isabella, Lake	85.50	53	eP	P	02 43 22.5	-0.8
ISA	Isabella, Lake	85.50	53	eP	P	02 43 22.5	-0.8
ISA							
ISA							
ISA							
WHY	Whitehorse	85.54	25	eP	P	02 43 21.5	-1.5
WAKR	Walker	85.61	50	eP	P	02 43 23.4	-0.5
MDPB	Devils Postpil	85.61	51	eP	P	02 43 22.8	-1.2
H04A	Detroit Lake	85.63	43	eP	P	02 43 22.9	-0.7
EDWD	Edwards Air Fo	85.66	53	eP	P	02 43 25.1	+1.1
OMMO	Old Mammoth Mi	85.67	51	eP	P	02 43 23.1	-1.3
DAWY	Dawson	85.68	21	eP	P	02 43 22.6	-0.9
BFSC	Mount Baldy Ra	85.74	54	eP	P	02 43 25.2	+0.6
J05D	Fort Rock, OR	85.81	45	eP	P	02 43 24.0	-0.8

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CPE	Camp Elliot	85.82	56	eP	P	02 43 23.2	-1.6
TIXI	Tiksi	85.86	349	eP	P	02 43 23.1	-1.0
TIXI	Tiksi	85.86	349	eP	P	02 43 23.5	-1.6
TIXI							
YERR	Yerrington	85.90	49	eP	P	02 43 24.2	-1.1
PALK	Pallekele	85.91	278	eP	P	02 43 24.3	-1.4
PALK	Pallekele	85.91	278	eP	P	02 43 24.3	-1.4
PALK							
PAHR	Pah Rah Rang	86.01	48	eP	P	02 43 24.7	-1.1
MOD	Modoc Plateau	86.02	46	eP	P	02 43 24.8	-1.0
CWC	Cottonwood Cre	86.03	52	eP	P	02 43 25.1	-0.9
PKI	Pulchoki	86.03	299	eP	P	02 43 26.5	+0.1
PKIN	Phulchoki	86.05	299	eP	P	02 43 26.8	+0.4
LRMC	Laurel Mtn Rd	86.07	53	eP	P	02 43 26.1	-0.1
I05D	Terrbonne, OR	86.09	44	eP	P	02 43 25.9	0.0
BAR	Barrett	86.11	56	eP	P	02 43 25.6	-0.8
PINE	Pine Mountain	86.18	44	eP	P	02 43 26.0	-0.6
KKN	Kakani	86.20	299	eP	P	02 43 27.7	+0.6
PGC	Sidney	86.20	39	eP	P	02 43 25.5	-0.8
DMN	Daman	86.30	299	eP	P	02 43 28.4	+0.7
RYN	Ryan	86.33	50	eP	P	02 43 26.4	-1.0
DAC	Darwin (Calif)	86.36	52	eP	P	02 43 26.7	-1.0
DAC	Darwin (Calif)	86.36	52	eP	P	02 43 26.7	-1.0
DAC							
MONP2	Monument Peak	86.37	56	eP	P	02 43 27.1	-0.7
MPMC	Manual Prospec	86.38	52	eP	P	02 43 26.9	-0.9
NV01	Mina Array Sit	86.43	50	eP	P	02 43 26.6	-1.4
NVAR	Mina Array Bea	86.43	50	eP	P	02 43 25.4	-2.6
F05D	White Salmon	86.52	42	eP	P	02 43 28.7	+0.7
PFO	Pinyon Flats O	86.53	55	eP	P	02 43 27.9	-0.6
PFO	Pinyon Flats O	86.53	55	eP	P	02 43 27.8	-0.7
PFO	Pinyon Flats O	86.53	55	eP	P	02 43 26.8	-1.7
TPFO	Pinon Flats	86.54	55	eP	P	02 43 27.7	-0.8
XPFO	Pion Flat	86.54	55	eP	P	02 43 28.2	-0.3
NV11	Mina Array Sit	86.55	50	eP	P	02 43 27.5	-1.0
IKP	In-Ko-Pah, Jac	86.56	56	eP	P	02 43 28.5	-0.1
LON	Longmire	86.58	41	eP	P	02 43 27.5	-0.8
LON	Longmire	86.58	41	eP	P	02 43 27.5	-0.8
LON							
DLBC	Dease Lake	86.61	28	eP	P	02 43 27.3	-1.0
DLBC	Dease Lake	86.61	28	eP	P	02 46 51.4	+0.9
DLBC							
DLBC							
D05A	Enumclaw	86.61	41	eP	P	02 43 28.1	-0.3
GSC	Goldstone, Bar	86.71	53	eP	P	02 43 28.6	-0.7
GSC	Goldstone, Bar	86.71	53	eP	P	02 43 29.2	0.0
GRAC	Grapevine Rang	86.74	52	eP	P	02 43 29.4	+0.1
KVN	Kaiserville	86.76	49	eP	P	02 43 28.5	-1.1
KVN	Kaiserville	86.76	49	eP	P	02 43 28.5	-1.1
KVN							
SWSC	Sam W. Stewart	86.89	56	eP	P	02 43 29.9	-0.2
B05A	Bryant	86.91	40	eP	P	02 43 30.4	+0.6
FURC	Furnace Creek,	86.98	52	eP	P	02 43 29.7	-0.7
BELO	Belle Mtn. Jos	87.01	55	eP	P	02 43 31.1	+0.3
I07A	Izeze	87.26	44	eP	P	02 43 31.6	-0.2
BC3	Big Chuckwalla	87.35	55	eP	P	02 43 32.8	+0.3
WVOR	Wild Horse Val	87.36	46	eP	P	02 43 31.4	-0.9
WVOR	Wild Horse Val	87.36	46	eP	P	02 43 31.4	-0.9
WVOR							
B06A	Marblemount	87.38	40	eP	P	02 43 32.4	+0.4
TUQ	Tungushe Moun	87.44	53	eP	P	02 43 33.5	+0.6
GMRC	Granite Mounta	87.48	54	eP	P	02 43 33.4	+0.3
LTY	Liberty	87.48	41	eP	P	02 43 32.7	-0.1
TPNV	Topopah Spring	87.59	52	eP	P	02 43 32.7	-0.9
TPNV	Topopah Spring	87.59	52	eP	P	02 43 32.7	

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MAKZ Makanchi, MOOSE Ponds, YMR Madison River, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like VSR Storozhevoje, KBZ Khabaz, KBA Koelnbreispser, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like SOKA Soboth, BIA Bitola, KBA Koelnbreispser, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes header information for TAP 06:02:32:30.1, 23°16'N, 120°57'E, h6km, ML1.6, B, Taiwan.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes header information for IDC 06:02:35:55.5, 1.1, 10°93'S, 165°40'E, h0km, mb4.2/6.

0.6m, 0.8s, baz=139, slow=7.7, SNR=3.6
ILAR Epsilon Array 84.41 19 P P 02 54 39.8 -1.8
0.3m, 0.6s, baz=233, slow=5.3, SNR=4.6

IDC 06:02:44:20.7.0.4, 11:24S:165:26E, h0km, mb4.6/27,
mb1.4/7.29, mb1mx3.8/4.7, mbtmp4.6/29, ML4.9/2, Error
ellipse: s-maj=15.6km s-min=13.3km az=98.0
NEIC 06:02:44:21.6.0.2, 11:27S:165:16E, h10km, mb4.9/49, Error
ellipse: s-maj=5.4km s-min=5.0km az=105.0
ISCJBJ 06:02:44:24.0.2.0, 11:32S:0:03:165:20E:0:03, h34km,
mb4.8/86, Error ellipse: s-maj=4.8km s-min=4.3km
az=158.2

ISC 06:02:44:25.6.0.3, 11:29S:0:06:165:25E:0:06, h34km, n189,
s126/195, mb4.9/86, 2C-1D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: GYA, comp=N, 490nm, 18.6s, LR, LR. Lists various stations like GYA comp=N, 490nm, 18.6s, LR, LR, GYA comp=E, 450nm, 18.3s, etc.

Table with columns: X18A Snowflake, 92.08 55 eP, P, 02 57 31.9 0.0. Lists various stations like MK01 Makanchi Array, MK31 Makanchi Array, etc.

IDC 06:02:44:5.6.6.6, 7:76N:127:62E, h0km, mb4.1/7,
mb2.4/1.7, mb1mx3.7/5.0, mbtmp4.1/7, Error ellipse:
s-maj=145.9km s-min=138.2km az=20.0
ISCJBJ 06:02:44:49.4.2.0, 8:14N:0:06:127:50E:0:07, h18km, 12km,
mb4.1/7, Error ellipse: s-maj=11.9km s-min=9.1km
az=20.2

MAN 06:02:44:56.6.8:04N:127:10E, h0km, MS3.2
ISC 06:02:44:49.5:2.4:8:01N:0:07:127:38E:0:09, h10km, 15km,
n13, s103/19, mb4.3/7, 1C, Philippines Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations like BIPH Bislig, BIPH Mati, etc.

IDC 06:02:47:09.2:1.4, 10:91S:165:10E, h0km, mb4.0/4,
mb1.4/2.5, mb1mx3.8/4.4, mbtmp4.6/17, ML3.8/1, Error
ellipse: s-maj=43.8km s-min=33.7km az=118.0, Santa
Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations like DZM Mont Dzumac, CTA Charters Tower, etc.

ISCJBJ 06:02:48:14.3:2.8, 11:34S:0:06:165:11E:0:05, h2km, 17km,
mb4.7/37, Error ellipse: s-maj=9.7km s-min=7.6km
az=17.4
IDC 06:02:48:15.1:0.6, 11:24S:165:23E, h0km, mb4.6/15,
mb2.4/7.17, mb1mx4.4/6.4, mbtmp4.6/17, ML4.7/2, Error
ellipse: s-maj=20.3km s-min=17.1km az=132.0
NEIC 06:02:48:17.0:0.2, 11:26S:165:12E, h10km, mb4.9/27, Error
ellipse: s-maj=7.5km s-min=6.6km az=153.0
ISC 06:02:48:15.9:1.0, 11:28S:0:08:165:18E:0:07, h4km, 5km,
n70, s114/78, mb4.8/37, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists various stations like HNR Honiara, HNR Mont Dzumac, etc.







MONP2	Monument Peak	86.24	56	P	P	03 10 23.2 +1.0
NV01	Mina Array Sit	86.28	50	eP	P	03 10 21.8 -0.6
NVAR	Mina Array Bea	86.28	50	eP	P	03 10 23.4 +1.1
NV11	Mina Array Sit	86.39	50	eP	P	03 10 22.0 -0.8
PFO	Pinon Flats O	86.40	55	P	P	03 10 23.9 +1.0
TPFO	Pinon Flats	86.40	55	P	P	03 10 23.7 +0.8
XPFO	Pinon Flat	86.40	55	eP	P	03 10 22.8 -0.1
IKP	In-Ko-Pah, Jac	86.43	56	P	P	03 10 24.0 +1.0
GSC	Goldstone, Bar	86.57	53	eP	P	03 10 23.5 -0.2
GSC	Goldstone, Bar	86.57	53	P	P	03 10 24.8 +1.2
GRAC	Grapevine Rang	86.59	52	P	P	03 10 25.0 +1.3
KVN	Kaiserville	86.60	49	eP	P	03 10 23.4 -0.5
KVN	Kaiserville	86.60	49	eP	P	03 10 23.4 -0.5
SWL	Sam W. Stewart	86.76	56	P	P	03 10 25.8 +1.3
BELC	Belle Mtn. Jos	86.87	55	P	P	03 10 25.3 +0.1
I07A	Izeze	87.08	44	eP	P	03 10 26.4 +0.4
BC3	Big Chuckawall	87.22	55	P	P	03 10 28.0 +1.1
TUQ	Turquoise Moun	87.30	53	P	P	03 10 28.2 +0.9
GMRC	Granite Mounta	87.34	54	P	P	03 10 28.4 +1.0
TPNV	Topopah Spring	87.44	52	P	P	03 10 28.9 +0.9
DANN	Dangang	87.47 299	eP	P	P	03 10 28.0 -0.5
J08A	Circle Beck Ran	87.57	45	eP	P	03 10 28.2 -0.2
GLA	Glamis	87.58	56	eP	P	03 10 29.3 +0.7
GLA	Glamis	87.58	56	eP	P	03 10 29.3 +0.7
IRM	Iron Mountain	87.59	55	P	P	03 10 29.3 +0.7
G08A	Pilot Rock	87.81	43	eP	P	03 10 29.8 +0.3
LDFC	Landfair	87.85	54	eP	P	03 10 30.5 +0.5
Y12C	Blythe	87.99	55	eP	P	03 10 31.2 +0.8
Y12C	Blythe	87.99	55	eP	P	03 10 32.0 +1.5
PYUN	Pluthan	88.08 299	eP	P	P	03 10 29.9 -1.4
SHPR	Sheep Range	88.17	52	eP	P	03 10 31.4 -0.1
R11A	Troy Canyon, C	88.31	51	eP	P	03 10 32.1 0.0
R11A	Troy Canyon, C	88.31	51	eP	P	03 10 41.2 +1.8
WMQ	Urumqi	88.35 315	P	P	P	03 10 33.4 +1.4
WMQ	Urumqi	88.35 315	P	P	P	03 10 46.8 +7.9
WMQ	Urumqi	88.35 315	P	P	P	03 10 51.8 +17
WMQ	Urumqi	88.35 315	P	P	P	03 15 58.1 -17
WMQ	Urumqi	88.35 315	eP	P	P	03 10 31.8 -0.2
WMQ	Urumqi	88.35 315	eP	P	P	03 10 31.8 -0.2
PDMC	Parker Dam, Lak	88.44	55	P	P	03 10 33.4 +0.9
BMO	Blue Mountains	88.48	44	eP	P	03 10 33.9 -0.3
BMO	Blue Mountains	88.48	44	eP	P	03 10 33.9 -0.3
W13A	Hualapai Mount	88.83	54	P	P	03 10 35.1 +0.4
214A	Organ Pipe Nat	88.97	57	P	P	03 10 36.1 +0.9
F10A	Beach Ranch, E	89.17	43	eP	P	03 10 36.1 +0.2
ELK	Elko	89.18	48	eP	P	03 10 36.6 +0.4
ELK	Elko	89.18	48	eP	P	03 10 36.6 +0.4
MFID	Camas Ranch	89.44	46	eP	P	03 10 37.9 +0.7
PSUT	Pine Spring	89.67	51	eP	P	03 10 39.1 +0.6
LCMT	Little Creek M	89.78	52	eP	P	03 10 39.5 +0.5
CCUT	Cedar City	89.82	52	eP	P	03 10 40.3 +1.0
SZCU	Shurtz Canyon	90.04	52	eP	P	03 10 41.0 +0.7
KNB	Kanab	90.11	52	eP	P	03 10 41.3 +0.7
KNB	Kanab	90.11	52	eP	P	03 10 41.3 +0.7
U15A	North Rim	90.40	53	eP	P	03 10 42.6 +0.5
HLID	Hailey	90.47	46	eP	P	03 10 42.5 +0.4
HLID	Hailey	90.47	46	eP	P	03 10 43.0 +0.9
PKCU	Pink Cliffs	90.61	52	eP	P	03 10 43.2 +0.1
X16A	Lo Mian Camp, P	90.64	55	eP	P	03 10 43.8 +0.2
TUC	Tucson	90.73	57	eP	P	03 10 43.8 +0.3
TUC	Tucson	90.73	57	eP	P	03 10 43.8 +0.3
TUC	Tucson	90.73	57	eP	P	03 10 44.7 +1.3
MTPU	Mount Pierson	90.84	52	eP	P	03 10 44.3 +0.1
DUG	Dugway, Tooele	90.84	49	eP	P	03 10 44.4 +0.5
DUG	Dugway, Tooele	90.84	49	eP	P	03 10 44.4 +0.5
DUG	Dugway, Tooele	90.84	49	eP	P	03 10 44.4 +0.5
BGU	Big Grassie Mou	90.85	49	eP	P	03 10 44.2 +0.3
WUAZ	Wupatki	90.92	54	eP	P	03 10 44.8 +0.4
WUAZ	Wupatki	90.92	54	eP	P	03 10 45.6 +1.2
MSU	Marysville	90.95	51	eP	P	03 10 44.9 +0.4
MSU	Marysville	90.95	51	eP	P	03 10 44.9 +0.4
HVU	Hansel Valley	91.23	48	eP	P	03 10 46.0 +0.3
HVU	Hansel Valley	91.23	48	eP	P	03 10 46.0 +0.3
NLU	North Lily Mtn	91.34	50	eP	P	03 10 46.5 +0.2
SPUT	South Pumpho	91.36	48	eP	P	03 10 46.9 +0.5
MSO	Missoula	91.59	43	eP	P	03 10 47.6 +0.4
MPU	Maple Canyon	91.69	50	eP	P	03 10 48.1 +0.2
MCMT	McKenzie Canyo	91.87	45	eP	P	03 10 48.8 +0.2
SYO	Syowa Base	91.97 197f	eP	P	P	03 10 47.0 -1.3
SYO	Syowa Base	91.97 197f	eP	P	P	03 10 50.0 -0.2
SYO	Syowa Base	91.97 197f	eP	P	P	03 10 54.4 +3.5
TCUT	Toone Canyon	92.09	49	eP	P	03 10 50.1 +0.3
DLMT	Dillon	92.16	44	eP	P	03 10 49.8 -0.1
LRM	Limekin Ridge	92.36	44	eP	P	03 10 51.6 +0.7
MK01	Makanchi Array	92.77 317	eP	P	P	03 10 52.6 +0.1
MK31	Makanchi Array	92.78 317	eP	P	P	03 10 52.7 +0.1
MKAR	Makanchi Array	92.78 317	eP	P	P	03 10 52.6 0.0

MKAR	Makanchi Array	92.78 317	P	P	03 10 53.5 +0.9
MKAR	Makanchi Array	92.78 317	P	P	03 10 53.5 +0.9
ZAAO	Zalesovo Array	92.85 324	eP	P	03 10 51.7 -0.9
ZALV	Zalesovo Beam	92.85 324	eP	P	03 10 51.6 -1.0
ZALV	Zalesovo Beam	92.85 324	eP	P	03 10 51.6 -1.0
ZALV	Zalesovo Beam	92.85 324	eP	P	03 10 52.7 +0.1
BOZ	Bozeman (W)	92.88 44	eP	P	03 10 51.7 -1.5
BOZ	Bozeman (W)	92.88 44	eP	P	03 10 51.7 -1.5
BOZ	Bozeman (W)	92.88 44	eP	P	03 10 51.7 -1.5
FWXY	Fox Creek	92.89 46	eP	P	03 10 53.1 -0.4
HRY	Holler Researc	92.97 43	eP	P	03 10 53.3 -0.3
MAKZ	Makanchi	93.00 317	eP	P	03 10 53.2 -0.3
MAKZ	Makanchi	93.00 317	eP	P	03 10 53.2 -0.3
MOOV	Moose Ponds	93.11 46	eP	P	03 10 54.7 +0.3
YMR	Madison River	93.14 45	eP	P	03 10 54.3 -0.2
H17A	Holler Village	93.36 46	eP	P	03 10 55.9 +0.3
BW06	Boulder Array	93.77 47	eP	P	03 10 58.3 +0.8
PDAR	Pinedale Array	93.77 47	eP	P	03 10 57.4 -0.1
PDAR	Pinedale Array	93.77 47	eP	P	03 10 58.1 +0.7
NVS	Novosibirsk	93.96 325	iP	P	03 10 56.1 -1.6
EGMT	Eagleton	94.62 42	eP	P	03 11 00.8 -0.2
EGMT	Eagleton	94.62 42	eP	P	03 11 01.9 +0.8
YKA	Yellowknife Ar	94.93 27	P	P	03 11 01.1 -0.9
YKA	Yellowknife Ar	94.93 27	P	P	03 11 01.1 -0.9
YKBS	Yellowknife Ar	94.93 27	eP	P	03 11 01.4 -0.6
NRIK	Noril'sk	95.52 340	P	P	03 11 04.7 +0.1
NRIK	Noril'sk	95.52 340	P	P	03 11 04.7 +0.1
NRIK	Noril'sk	95.52 340	P	P	03 11 04.7 +0.1
KURK	Kurchatov	95.92 320	eP	P	03 11 05.9 -0.9
KURK	Kurchatov	95.92 320	eP	P	03 11 05.9 -0.9
TXAR	Lajitas Array	96.22 61	P	P	03 11 09.7 +0.9
TXAR	Lajitas Array	96.22 61	P	P	03 11 09.7 +0.9
PMSA	Palmer Station	96.30 161	P	P	03 11 09.1 +0.8
SNA4	Sanae	97.47 184	P	Pdf	03 11 13.7 +0.1
SNA4	Sanae	97.47 184	P	Pdf	03 11 12.6 -1.0
SNA4	Sanae	97.47 184	P	Pdf	03 11 13.7 0.0
SNA4	Sanae	97.47 184	P	Pdf	03 11 13.7 +0.1
VNA2	Neumayer-Watz	98.45 182	P	P	03 11 17.3 -0.6
BRVK	Borovoye	101.30 322	eP	Pdf	03 11 30.3 -0.6
BRVK	Borovoye	101.30 322	eP	Pdf	03 11 30.3 -0.6
ARCES	ARCCESS Array B	115.79 345	PKIKP	PKIKP	03 16 21.0 -1.1
ARCES	ARCCESS Array B	115.79 345	PKIKP	PKIKP	03 16 20.9 -1.1
OBN	Obninsk	120.12 329	ePKIKP	PKIKP	03 16 30.9 +0.1
OBN	Obninsk	120.12 329	ePKIKP	PKIKP	03 16 30.9 +0.1
LPAZ	La Paz	120.95 116	PKIKP	PKP	03 16 33.4 -0.9
LPAZ	La Paz	120.95 116	PKIKP	PKP	03 16 33.4 -0.9
LPAZ	La Paz	120.95 116	PKIKP	PKP	03 16 33.4 -0.9
FINES	FINESS Array B	121.16 338	PKIKP	PKP	03 16 32.3 -0.3
FINES	FINESS Array B	121.16 338	PKIKP	PKP	03 16 32.3 -0.3
CPUP	CPUP	124.78 313	PKIKP	PKIKP	03 16 40.8 -0.2
CPUP	CPUP	124.78 313	PKIKP	PKIKP	03 16 40.8 -0.2
BOSA	Boshof	124.95 224	PKIKP	PKIKP	03 16 41.4 0.0
BOSA	Boshof	124.95 224	PKIKP	PKIKP	03 16 41.4 0.0
SDV	Santo Domingo	125.13 87	ePKP	PKP	03 16 40.0 -1.8
NB2	NORSAR Subarray 125	125.345	PKP	PKP	03 16 39.1 -3.1
NOA	NORSAR Array B	126.15 345	PKIKP	PKP	03 16 41.5 -0.7
NOA	NORSAR Array B	126.15 345	PKIKP	PKP	03 16 41.5 -0.7
NOA	NORSAR Array B	126.15 345	PKIKP	PKP	03 16 41.5 -0.7
AKASG	Malin Array Be	126.17 327	PKIKP	PKP	03 16 41.1 -1.4
AKASG	Malin Array Be	126.17 327	PKIKP	PKP	03 16 41.1 -1.4
AK11	Malin Array Si	126.21 327	ePKP	PKP	03 16 41.0 -1.6
BRTR	Reskin Array B	128.21 313	PKIKP	PKP	03 16 47.1 +0.1
BRTR	Reskin Array B	128.21 313	PKIKP	PKP	03 16 47.0 +0.1
BIZ	Bilaz	129.93 324	iP	PKIKP	03 16 51.8 +1.2
BURAR	Bucovina Ar. S	130.06 325	iP	PKIKP	03 16 50.9 -0.1
BURAR	Bucovina Array	130.06 325	iP	PKIKP	03 16 51.2 +0.2
BURAR	Bucovina Array	130.06 325	iP	PKIKP	03 16 51.2 +0.2
ARR	Arges	131.64 323	iP	PKIKP	03 16 54.7 +0.5
CLL	Collim	133.48 336	ePKP	PKP	03 16 56.0 -0.4
CLL	Collim	133.48 336	ePKP	PKP	03 16 56.0 -0.4
KHC	Kasperske Hory	134.90 334	ePKP	PKP	03 16 59.0 -0.2
KHC	Kasperske Hory	134.90 334	ePKP	PKP	03 16 59.0 -0.2
GERES	GERESS Array B	135.06 333	PKIKP	PKP	03 16 59.2 -0.4
GERES	GERESS Array B	135.06 333	PKIKP	PKP	03 16 59.2 -0.4
KEST	Kesra	146.70 322	ePKP	PKP	03 17 21.6 +0.7

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Table with columns: Call Sign, Name, Frequency, Power, Mode, SNR, and other technical details. Includes stations like KSRS, KSAR, YSS, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, SNR, and other technical details. Includes stations like YAK, YAK, ULN, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, SNR, and other technical details. Includes stations like H04D, FYU, BEKR, etc.



MS6.5/1, Error ellipse: s-maj=39.2km s-min=14.3km az=138.6

ISC 06 03:00:51.2d.0.9, 11.3S, 0.2, 165.7E, 0.2, h24km, n26, +r106/23, mb4.8/10, 1D, Santa Cruz Islands

Code	Station Name	A <sup>z</sup>	ΔZ	Phase ID	Time	Res
					h m s	ISC
CTA	Charters Tower	20.65	242	Op	03 05 29.7	+0.3
CTA	Charters Tower	20.65	242	P	03 05 29.7	+0.3
CTA	Charters Tower	20.65	242	P	03 05 29.7	+0.3
STKA	Stevens Creek	30.25	224	P	03 07 00.1	-0.3
STKA	Stevens Creek	30.25	224	P	03 07 00.1	-0.3
STKA	Stevens Creek	30.25	224	P	03 07 00.1	-0.3
H11N1	WAKE ISLAND Hy 30.80	2	T	T	03 39 11.7	
H11N3	WAKE ISLAND Hy 30.80	2	T	T	03 39 14.0	
H11N2	WAKE ISLAND Hy 30.82	2	T	T	03 39 15.8	
WRA	Warramunga Arr	31.36	250	P	03 07 09.2	-1.1
ASAR	Alice Springs	32.65	244	P	03 07 21.6	-0.1
BTO	Batout	72.81	319	eP	03 12 16.6	-1.5
GTA	Gaotai	79.17	314	iP	03 12 56.8	+2.4
GTA					03 12 59.9	+0.1
GTA					03 13 06.2	-0.1
GTA	comp=Z,17nm,1.4s					
GTA	comp=N,15µm,19.4s					
GTA	comp=E,16µm,19.4s					
GTA	comp=Z,19µm,19.7s					
ILAR	Eielsod Array	83.73	19	P	03 13 17.5	-0.4
NVAR	Mina Array Bea	86.20	50	P	03 13 31.7	+0.5
MKAR	Makanihi Array B	93.64	317	P	03 14 05.7	-0.1
ZALV	Zalesov Beam	93.70	324	P	03 14 04.2	-1.6
PDAR	Pinedale Array	93.74	47	P	03 14 06.7	+0.2
NVS	Novosibirsk	94.80	325	iP	03 14 13.3	+2.5
YKA	Yellowknife Arr	95.19	27	P	03 14 10.9	-1.5
ARCES	ARCES Array B	116.53	945	P	03 19 32.6	0.0
CPUP	Villa Florida	123.92	132	PKP	03 19 48.4	+0.2
AKASG	Malin Array Be	127.01	327	PKP	03 19 53.4	+0.1
GERES	GERES Array B	135.87	334	PKP	03 20 11.0	+0.7
KEST	Kesra	147.55	323	PKPbc	03 20 35.0	+1.0
ESDC	Sonsea Array	150.25	344	PKPbc	03 20 41.8	+0.2

IDC 06 03:00:59.6/0.6, 10.90S, 165.38E, h0km, mb5.1/16, mb1.5/3/17, mb1mx5.1/38, mbtmp5.1/17, ML5.8/1, Error ellipse: s-maj=20.7km s-min=18.2km az=100.0

BJJ 03:00:59.0, 10.90S, 165.66E, h11km, mb5.6/5, mb5.2/48, MS5.7/3, Ms7.5/3

NEIC 06 03:01:01.4/2.8, 11.105S, 165.08E, h2km, 17km, mb5.6/156, Error ellipse: s-maj=5.9km s-min=5.0km az=218.0

ISCJJB 06 03:01:02.5d.0.1, 11.11S, 0.03, 165.09E, 0.0, h30km, mb5.5/189, MS5.5/2, Error ellipse: s-maj=4.3km s-min=4.0km az=27.6

MOS 06 03:01:02.6/1.3, 11.11S, 165.09E, h33km, mb5.6/30, Error ellipse: s-maj=10.1km s-min=9.1km az=121.2

ISC 06 03:01:03.9/0.3, 11.12S, 0.03, 165.29E, 0.06, h30km, n412, +r139/422, mb5.5/189, 5C-22, Santa Cruz Islands

Code	Station Name	A <sup>z</sup>	ΔZ	Phase ID	Time	Res
					h m s	ISC
HNR	Honiara	5.52	287	ePn	03 02 20.5	-3.6
HNR	Honiara	5.52	287	Pn	03 02 20.5	-3.6
HNR	Honiara	5.52	287	Pn	03 02 26.2	+2.1
DZM	Mont Dzumac	10.95	174	ePn	03 03 38.7	0.0
DZM	Mont Dzumac	10.95	174	Pn	03 03 40.7	+2.1
ONTCC	Ouen Toro	11.18	174	ePn	03 03 41.6	-0.1
PINNC	Pines Island	11.82	170	ePn	03 03 47.9	+1.1
MSVF	Nonsavu	13.99	119	ePn	03 04 20.3	0.0
MSVF	Nonsavu	13.99	119	eP	03 04 20.3	0.0
PATS	Pohnpei	19.14	338	eP	03 05 23.9	-1.0
EIDS	Eidsvold	19.54	222	P	03 05 31.1	+0.5
KWJL	Kwajalein Atol	19.94	7	eP	03 05 33.7	+0.3
CTAO	Charters Tower	20.37	242	eP	03 05 37.0	-1.3
CTAO	Charters Tower	20.37	242	eP	03 05 37.0	-1.3
CTAO	Charters Tower	20.37	242	eP	03 05 37.0	-1.3
MTSU	Mount Surprise	21.45	249	P	03 05 52.4	+2.5
ARMA	Armidade	23.02	211	P	03 06 07.2	+0.5
OUZ	Oumahu	25.16	164	eP	03 06 27.4	+1.0
MKZ	Moumakai	27.36	163	P	03 06 43.1	-3.3
TOZ	Tahuroa Road	28.04	163	P	03 06 47.9	-4.7
HIZ	Haiti	28.59	164	eP	03 06 58.6	+1.2
WHRZ	Whale Island	28.61	160	P	03 06 58.2	+0.5
HAZ	Te Kaha	28.80	159	P	03 06 57.0	-8.5
MXZ	Matakaoa Point	28.81	158	eP	03 07 00.7	+1.3
RUGZ	Raukumara Rang	28.95	159	P	03 06 58.3	-2.4
URZ	Urewera	29.02	161	P	03 07 01.7	+0.5
URZ	Urewera	29.02	161	P	03 07 02.8	+1.6
MWZ	Matawai	29.23	160	P	03 07 01.7	-1.5
BKZ	Black Stump Fm	29.66	162	eP	03 07 07.8	+0.9
BKZ	Black Stump Fm	29.66	162	P	03 07 07.5	+0.6
NMHZ	Naumai	29.69	162	P	03 07 08.5	+1.2
BHHZ	Black Hill Sta	29.84	163	P	03 07 09.2	+0.7
TSZ	Takapari Road	30.34	164	P	03 07 13.9	+1.0
MRZ	Mangatainoka R	30.80	165	P	03 07 19.3	+2.4
BFZ	Birch Farm	31.00	164	eP	03 07 19.1	+0.4
HOWZ	Holdsworth Sta	31.00	165	P	03 07 18.0	-0.8
WB2	Warramunga Arr	31.03	250	eP	03 07 19.1	-0.2
WRAB	Tennant Creek	31.03	250	eP	03 07 17.8	-1.4
WRAB	Tennant Creek	31.03	250	eP	03 07 17.8	-1.4
WRAB	Tennant Creek	31.03	250	eP	03 07 17.8	-1.4
WRA	Warramunga Arr	31.04	250	P	03 07 22.2	+2.8
WRA	Warramunga Arr	31.04	250	P	03 07 22.2	+2.8
WRA	Warramunga Arr	31.04	250	P	03 07 22.2	+2.8
THZ	Tophouse	31.25	169	eP	03 07 23.4	+2.4
KHZ	Kahutara	32.00	168	eP	03 07 24.6	-2.9
LTZ	Lake Taylor	32.13	170	eP	03 07 30.9	+2.2
KDU	Kakadu	32.14	264	P	03 07 27.9	-1.2
AS31	Alice Springs	32.36	243	eP	03 07 31.6	+0.6
ASAR	Alice Springs	32.36	243	P	03 07 32.1	+1.1
ASAR	Alice Springs	32.36	243	P	03 07 32.1	+1.1
ASAR	Alice Springs	32.36	243	P	03 07 32.1	+1.1
AS11	Alice Springs	32.37	243	P	03 07 31.6	+0.5
OXZ	Oxford	32.62	171	eP	03 07 31.9	+1.0

HTT	Hallett	32.82	223	P	03 07 34.6	-0.2
RPZ	Rata Peaks	32.86	172	eP	03 07 36.0	+0.9
BBOO	Buckaroo	34.45	227	P	03 07 47.9	-1.2
PALU	Palau	35.73	300	P	03 08 01.6	+1.3
KNRA	Kunurra	35.79	259	P	03 08 01.1	+0.4
WRKA	Warakuma	36.75	243	P	03 08 15.7	-1.0
FITZ	Fitzroy Crossi	38.93	255	P	03 08 26.8	-0.6
RCP	Roxas	47.90	297	eP	03 09 36.2	-3.6
OPA	Opana	48.59	48	eP	03 09 46.8	+1.9
OPA	Opana	48.59	48	eP	03 09 46.8	+1.9
KHU	Kahuku	48.94	52	eP	03 09 47.7	-0.2
KHU	Kahuku	48.94	52	eP	03 09 47.7	-0.2
NWAO	Narrogin (SRO)	49.05	236	eP	03 09 48.0	-0.5
HMH	Humu'ula Sheep	49.24	52	eP	03 09 46.5	-3.8
KHLH	Kahului Airpor	49.27	50	eP	03 09 50.8	+0.6
POHA	Pohakuloa	49.29	52	eP	03 09 52.0	+1.3
KKM	Kota Kinabalu	51.73	287	eP	03 10 06.5	-2.6
INU	Inuyama	53.40	331	eP	03 10 21.8	+0.9
MJAR	Matsushiro Arr	53.83	333	P	03 10 23.5	-0.6
MAJO	Matsushiro	53.83	333	eP	03 10 21.8	-2.3
MAJO	Matsushiro	53.83	333	iP	03 10 22.8	-1.3
MAJO	Matsushiro	53.83	333	P	03 10 22.8	-1.3
MAT	Matsushiro	53.83	333	P	03 10 20.7	-3.4
MJB9	Matsu-Tunnel	53.84	333	eP	03 10 21.9	-2.2
JNU	Nakatsue	54.88	325	eP	03 10 30.9	-0.9
JNU	Nakatsue	54.88	325	eP	03 10 32.1	+0.3
YULB	Yu-ji	55.03	309	eP	03 10 33.6	+0.5
NACB	Ninganchiao	55.24	310	eP	03 10 32.8	-1.8
TPUB	Ta-pu	55.49	308	eP	03 10 39.5	+3.0
SSLB	Suanglung	55.51	309	eP	03 10 34.7	-1.8
YHNB	Yeheng	55.69	310	eP	03 10 35.7	-2.1
KSM	Kuching	56.07	279	eP	03 10 37.4	-3.3
ASAJ	Asahikawa	58.72	341	P	03 10 56.9	-1.9
SSE	Sheshan	59.59	316	eP	03 11 05.3	-0.2
SSE	Sheshan	59.59	316	eP	03 11 03.6	-1.5
KSR5	Korea Array	59.69	326	P	03 11 04.9	-0.7
KSR5	Korea Array	59.69	326	P	03 11 04.9	-0.7
KSR5	Korea Array	59.69	326	P	03 11 04.9	-0.7
KSAR	Wonju Array Be	59.70	326	P	03 11 04.9	-0.8
KSAR	Wonju Array Be	59.70	326	P	03 11 04.9	-0.8
KS01	Wonju Array Si	59.72	326	eP	03 11 04.8	-1.1
YSS	Yuzh-Sakhalins	61.22	343	eP	03 11 16.6	+0.7
YSS	Yuzh-Sakhalins	61.22	343	eP	03 11 15.3	-0.6
YSS	Yuzh-Sakhalins	61.22	343	eP	03 11 22.0	
YSS	Yuzh-Sakhalins	61.22	343	eP	03 11 22.0	
NJ2	Nanjing	61.76	316	eP	03 11 18.9	-0.9
MSHR	Mys Shulsta	61.91	332	iP	03 11 20.3	-0.3
QIZ	Qiongzong	62.32	298	P	03 11 23.4	-0.5
USAOB	Ussuriysk Arra	62.81	334	eP	03 11 25.0	-1.7
USRK	Ussuriysk Arr	62.81	334	P	03 11 24.7	-1.9
WRK	Wuhan	64.11	312	iP	03 11 35.5	0.0
MDJ	Mudanjiang	64.21	332	P	03 11 36.4	+0.5
MDJ	Mudanjiang	64.21	332	eP	03 11 36.8	+0.9
DL2	Dalian	64.27	323	P	03 11 40.3	+3.9
PETK	Petrovskovsk	64.30	355	eP	03 11 33.9	-2.4
PETK	Petrovskovsk	64.30	355	eP	03 11 33.9	-2.4
TYV	Tymovskoe	64.79	344	eS	03 11 38.8	-0.7
TYV	Tymovskoe	64.79	344	eS	03 11 38.8	-0.7
TYV	Tymovskoe	64.79	344	eS	03 11 38.8	-0.7
TYV	Tymovskoe	64.79	344	eS	03 11 38.8	-0.7
SNY	Shenyang	65.15	327	iP	03 11 42.8	+0.8
CN2	Changchun	65.58	329	eP	03 11 44.7	-0.1
CN2	Changchun	65.58	329	eP	03 11 51.6	-1.0
KLR	Kul'dur	66.95	337	iP	03 11 54.9	+1.0
NIKH	Nikolski High	67.57	17	eP	03 11 59.0</	

Table with columns: ICAO, Name, Az, El, P, R, Az, El, P, R, Az, El, P, R, Az, El, P, R. Includes stations like KNGR, ARVC, Vestal, etc.

Table with columns: ICAO, Name, Az, El, P, R, Az, El, P, R, Az, El, P, R, Az, El, P, R. Includes stations like R11A, PDMCI, D08A, etc.

Table with columns: ICAO, Name, Az, El, P, R, Az, El, P, R, Az, El, P, R, Az, El, P, R. Includes stations like PV12, PV07, BW06, etc.

IDC 06 03:04:43.6, 1.0, 10.835x165.48E, h0km, mb4.6/16, mb1.4.8/17, mb1mx4.6/45, mbtmp4.7/17, ML5.7/1, Error ellipse: s-maj=29.1km s-min=18.4km az=152.0

NEIC 06 03:04:45.0, 0.3, 10.765x165.41E, h10km, mb5.3/17, Error ellipse: s-maj=8.7km s-min=6.9km az=123.0

ISJCJB 06 03:04:46.9, 0.3, 10.845x166.165E, h0.06, h30km, mb4.9/28, Error ellipse: s-maj=8.9km s-min=7.1km az=144.0

ISC 06 03:04:48.0, 0.5, 10.795x165.44E, h0.08, h30km, n84, e089/79, mb5.0/28, Santa Cruz Islands

Table with columns: Code, Station Name, Az, El, P, R, Az, El, P, R, Az, El, P, R, Az, El, P, R. Includes stations like HNR, DZM, CTA, etc.



Table with columns: HD, Station Name, Az, El, P, R, Az, El, P, R. Includes stations like Harding Lake, Mt. Diablo Mer, Eielson Array, etc.

IDC 06:03:06:32.2-0.6, 11.58Sx165.45E, h0km, mb4.8/23, mb1 4.9/24, mb1mx4.8/47, mbtmp4.8/24, ML4.8/1, Error ellipse: s-maj=19.2km s-min=14.1km az=116.0

ISCJ/B 06:03:33.9-0.2, 11.69S:0.04:165.33E:0.04, h24km, mb5.0/125, Error ellipse: s-maj=5.5km s-min=4.9km az=135.6

NEIC 06:03:33.4-0.1, 11.59Sx165.42E, h10km, mb5.1/94, Error ellipse: s-maj=3.3km s-min=2.6km az=120.0

ISC 06:03:35.7-0.4, 11.12S:0.07:-165.47E:0.009, h24km, n244, -0688/246, mb5.1/125, 20-ID, Santa Cruz Islands

Table with columns: Code, Station Name, Az, El, P, R, Az, El, P, R. Includes stations like MARE, DZM, ONTNC, etc.

Main table with columns: Station Name, Az, El, P, R, Az, El, P, R. Includes stations like JUNU, KSM, ASAJ, etc.

Table with columns: Station Name, Az, El, P, R, Az, El, P, R. Includes stations like YBH, SCRR, ORV, etc.







6d 3h

2013 FEB

Table with columns: LZH, comp, LR, LR, and various numerical values. Includes entries like GAMB, ULN, ULN, ULN, SVW2, SONM, SONM, SONM, SONM, RSO, GTA, GTA, GTA, BILL, BILL, QSPA, BOD, BOD, CAST, ZAK, DIV, TLY, RND, RND, MCK, MCK, MCK, DHY, IM3, HARP, MLY, KMRM, KHMM, MDM, HDA, HDA, HDA, COLA, COLA, COLA, RIDG, O02D, IL1, ILAR, ILAR, ILAR, ILB, POKR, K02D, WDC, WDC, N02D, M02C, SCRC, PKM, HUMO, ORV, ORV, ORV, O03E, I03D, AFDM, L04D, CMB, CMB, CMB, KNGR, M04C, ARVC, YES, I04A, J04D, H04D, K04D, BEKR, MWC, MWC, MWC, ISA, ISA, ISA, WAKR, MDPB, EDW2, PNTR, OMMB.

Table with columns: BFSC, DAWY, MLAC, CPE, J05D, YERR, MURC, PAHR, CWC, MOD, TIXI, TIXI, TIXI, LRMC, I05D, PINE, RYN, MONPZ, DAC, DAC, MPMC, NVAK, NVAR, NVAR, PFO, XPFO, F05D, IKP, NV11, D05A, DLBC, DLBC, GSC, GSC, GSC, GRAC, GSC, KVN, KVN, KVN, SWSC, HEC, B05A, FURC, BELC, I07A, SHOC, BC03, WVOR, WVOR, TUQ, GMRC, F07A, TPNV, GLA, GLA, GLA, IRM, J08A, LDFC, G08A, Y12C, Y12C, NEE2, SHPR, E08A, R11A, R11A, PDMCI, B08A, WMQ, WMQ, WMQ, WMQ, W13A, BMO, BMO, 214A, ELK, ELK, ELK, F10A.

Table with columns: MFID, SLBS, PSUT, LCMT, CCUT, HSGI, SZCU, KNB, KNB, U15A, HLID, HLID, PKCU, X16A, TUC, TUC, TUC, MTPU, DUG, DUG, DUG, DUG, BGU, WUAZ, WUAZ, MSU, MSU, HVU, HVU, NLU, SPUT, SYO, SYO, MSO, MPU, Q16A, X18A, TMUT, JLU, DLMT, WALA, P17A, LRM, BOZ, BOZ, IMW, MKAR, MKAR, MKAR, MKAR, YMR, ZALV, ZALV, ZALV, 121A, BW06, PD31, PDAR, ANMO, ANMO, MNTX, YKA, YKA, YKA, YKB5, SDCO, TXAR, TXAR, TXAR, TXAR, KURK, KURB, KSH, KSH, SNA, SNA, SNA, SNA, VNA3, VNA2, ARCS, ARCS, ARCS, ARCS, OBN, OBN, OBN, LPAZ, FINES, FINES, FINES, CPUP.





6d 3h

Table with columns: Station, Comp, Az, El, P, Az, El, P, Az, El, P. Includes stations like LZH, QSPA, ANME, SONMI, etc.

2013 FEB

Table with columns: Station, Comp, Az, El, P, Az, El, P, Az, El, P. Includes stations like KNB, HLID, X16A, etc.

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Table with columns: Station, Comp, Az, El, P, Az, El, P, Az, El, P. Includes stations like WRA, THZ, TOO, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KMI Kunming, MA2 Magadan, HHC Hu-ho-hao-te, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ILI Eielson Array, ILAR Eielson Array, ILB Eielson Array, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like Y12C Blythe, Y12C Blythe, SHPR Sheep Range, etc.



HIA	comp=Z,20nm,1.0s	72.09	331	f P	P	03 50 19.3 +0.8
HIA	Hailar				pmax	
SEA	comp=Z,28nm,1.2s	72.10	337	eP	P	03 50 19.2 +0.8
ZEA	Zeya				pmax	
SEA	comp=N,65nm,1.2s				pmax	
CD2	comp=Z,87nm,1.4s	72.22	307	P	P	03 50 20.7 +1.0
CD2	Chengdu				pmax	
SEY	comp=Z,40nm,0.7s	74.34	354	P	P	03 50 31.9 +0.4
SEY	Seymchan				p	
LZH	comp=Z,9nm,0.7s,baz=204,slow=15,SNR=5.8	74.39	312	f P	P	03 50 34.2 +1.6
LZH	Lanzhou				pP	03 50 37.8 -3.6
LZH					pP	03 50 40.3 -3.7
LZH					PP	03 53 18.2 -1.0
LZH	comp=Z,35nm,1.3s				pmax	
LZH	comp=Z,160nm,4.9s				pmax	
LZH	comp=N,770nm,17.3s				LR	LR
LZH	comp=E,720nm,17.4s				LR	LR
LZH	comp=Z,680nm,18.5s				LR	LR
GMB	comp=Z,16nm,0.8s	76.55	10	eP	P	03 50 43.8 -0.3
GMB	Gambell					
CIT	Chita	76.88	330	eP	P	03 50 47.6 +1.3
ULN	Ulanbaatar	77.98	324	eP	P	03 50 52.1 -0.7
ULN	comp=Z,30nm,1.4s				esP	03 50 57.7 -4.0
ULN	Ulanbaatar	77.98	324	f P	pP	03 50 54.0 +1.2
ULN					pmax	
SVWZ	comp=Z,27nm,1.5s	78.16	18	eP	P	03 50 52.5 -0.7
SVWZ	Sparrevohn					
SOMN	comp=Z,7nm,0.5s	78.35	324	P	P	03 50 54.6 -0.1
SOMN	Songino Array					
SONA	comp=Z,3.5nm,0.8s,baz=146,slow=7.3,SNR=11	78.35	324	eP	P	03 50 54.1 -0.7
SONA	Songino Array					
ANM	Nome	78.49	12	eP	P	03 50 55.0 0.0
ANM	comp=Z,18nm,1.4s				pmax	
ANM	Nome	78.49	12	eP	P	03 50 55.0 0.0
RSO	comp=Z,18nm,1.4s	78.58	20	eP	P	03 50 55.0 -0.8
GTA	Redoubt South	78.70	314	f P	P	03 50 58.2 +1.3
GTA	Goatai				pP	03 51 02.6 -3.1
GTA					pP	03 51 05.3 -0.5
GTA	comp=Z,3.0nm,1.4s				pmax	
GTA	comp=Z,14nm,1.4s				pmax	
GTA	comp=N,4um,17.5s				LR	LR
GTA	comp=E,5um,17.5s				LR	LR
GTA	comp=Z,11um,18.7s				LR	LR
BILL	comp=Z,26nm,0.9s	78.79	0	eP	P	03 50 56.2 -0.3
BILL	Billibino	78.79	0	f P	P	03 50 56.8 +0.2
BILL	Billibino				pmax	
QSPA	comp=Z,33nm,1.0s	79.05	180	eP	P	03 50 58.8 +0.5
QSPA	South Pole Qui					
QSPA	comp=Z,29nm,1.1s	79.05	180	P	P	03 50 59.5 +1.2
QSPA	South Pole Qui					
SEW	comp=Z,16nm,1.0s,baz=27,slow=2.3,SNR=11	79.45	21	eP	P	03 51 00.1 -0.2
SEW	Seward					
SUA	comp=Z,19nm,0.9s	79.98	20	eP	P	03 51 02.7 -0.7
SUA	Susitna One					
BOD	comp=Z,13nm,1.0s	80.27	335	eP	P	03 51 03.8 -1.0
BOD	Bodaibo				pmax	
PMR	comp=Z,5.0nm,1.7s	80.61	20	eP	P	03 51 06.5 -0.1
PMR	Palmer					
PMR	comp=Z,13nm,1.0s	80.61	20	eP	P	03 51 06.5 -0.1
PMR	Palmer				pmax	
GLI	comp=Z,13nm,1.0s	80.83	21	eP	P	03 51 07.3 -0.5
GLI	Glacier Island					
CAST	comp=Z,22nm,1.0s	80.99	18	eP	P	03 51 08.2 -0.4
CAST	Castle Rocks					
ZAK	comp=Z,12nm,0.8s	81.39	325	eP	P	03 51 08.5 -2.6
ZAK	Zakamensk				pmax	
DIV	comp=Z,9.0nm,1.4s	81.48	22	eP	P	03 51 11.0 -0.3
DIV	Divide					
KLU	comp=Z,21nm,0.8s	81.67	21	eP	P	03 51 11.8 -0.5
KLU	Klutina					
TLY	comp=Z,12nm,0.8s	81.82	326	eP	P	03 51 12.7 -0.6
TLY	Talaya					
TLY	comp=Z,18nm,0.9s	81.82	326	P	P	03 51 13.7 +0.4
TLY	Talaya					
RDOC	comp=Z,1.3nm,0.6s,baz=165,slow=3.8,SNR=4.3	82.02	12	eP	P	03 51 13.7 -0.2
RDOC	Red Dog Mine					
MCK	comp=Z,20nm,0.9s	82.19	19	eP	P	03 51 14.7 -0.2
MCK	McKinley					
MCK	comp=Z,20nm,1.3s	82.19	19	eP	P	03 51 14.7 -0.2
MCK	McKinley					
DHY	comp=Z,22nm,1.0s	82.24	20	eP	P	03 51 15.1 -0.3
DHY	Denali Highway					
IM3	comp=Z,15nm,1.0s	82.45	16	eP	P	03 51 15.2 -1.1
IM3	Indian Moutai					
HARP	HAARP	82.55	21	eP	P	03 51 16.0 -0.8
KCPM	comp=Z,29nm,0.9s	82.80	47	eP	P	03 51 18.3 -0.4
KCPM	Cajito Peak					
KMRM	comp=Z,32nm,0.9s	82.89	47	eP	P	03 51 18.5 -0.7
KMRM	Mali Ridge					
WRH	comp=Z,32nm,1.0s	82.98	18	eP	P	03 51 18.5 -0.5
WRH	Wood River Hill					
GDXM	comp=Z,4nm,0.8s	83.07	48	eP	P	03 51 19.6 -0.5
GDXM	Geysers					
MDM	comp=Z,14nm,0.9s	83.27	18	eP	P	03 51 20.1 -0.4
MDM	Murphy Dome					
HDA	comp=Z,2nm,0.8s	83.29	19	eP	P	03 51 19.9 -0.8
HDA	Harding Lake					
HDA	comp=Z,25nm,0.9s	83.29	19	P	P	03 51 20.5 -0.2
HDA	Harding Lake					
TCOL	comp=Z,227	83.33	18	P	P	03 51 20.4 -0.3
TCOL	CIGO, UAF Yank					
COLA	College	83.33	18	eP	P	03 51 20.2 -0.6
COLA	College	83.33	18	f P	P	03 51 20.5 -0.3
COLA	College				pmax	
RIDG	comp=Z,18nm,0.9s	83.53	20	eP	P	03 51 22.0 0.0
RIDG	Independ'e Rid					
002D	comp=Z,17nm,1.1s	83.54	47	P	P	03 51 23.1 +0.6
002D	Mt. Diablo Mer					
IL1	comp=Z,250,SNR=9.4	83.56	19	eP	P	03 51 21.1 -0.9
ILAR	Eielson Array	83.56	19	P	P	03 51 21.4 -0.6
ILB	comp=Z,6.3nm,0.7s,baz=204,slow=5.1,SNR=34	83.56	19	eP	P	03 51 21.8 -0.2
ILB	Eielson Array					
POKR	comp=Z,22nm,0.8s	83.63	18	P	P	03 51 21.7 -0.6
POKR	Poker Plat Res					
K02D	comp=Z,226	83.80	45	P	P	03 51 24.2 +0.4
K02D	Williamette Mer					
N02D	comp=Z,249	83.87	46	P	P	03 51 25.1 +0.9
N02D	Trinity Center					
M02C	Callahan	83.91	46	P	P	03 51 25.3 +0.9
SCRK	comp=Z,250,SNR=7.1	83.97	20	eP	P	03 51 23.7 -0.6
SCRK	Sand Creek					
YBH	comp=Z,14nm,1.0s	84.13	46	eP	P	03 51 24.9 -0.7
YBH	Yreka Blue Hor					
YBH	comp=Z,17nm,0.9s	84.13	46	eP	P	03 51 24.9 -0.7
YBH	Yreka Blue Hor				pmax	
HUMO	comp=Z,17nm,1.1s	84.26	45	eP	P	03 51 26.0 -0.1
HUMO	Hull Mountain					
ORV	comp=Z,13nm,0.9s	84.26	48	eP	P	03 51 25.6 -0.6
ORV	Oroville					
ORV	comp=Z,14nm,1.0s	84.26	48	eP	P	03 51 25.6 -0.6
ORV	Oroville				pmax	
003E	comp=Z,14nm,1.0s	84.29	47	P	P	03 51 26.7 +0.3
003E	Paynes Creek					
003D	comp=Z,251,SNR=7.8	84.37	44	P	P	03 51 26.8 +0.2
003D	Drain, OR					
AFDM	comp=Z,249	84.45	49	eP	P	03 51 27.0 -0.2
AFDM	Forest Hills D					
HYT	comp=Z,24nm,1.0s	84.48	24	eP	P	03 51 26.6 -0.4
HYT	Haines Junctio					
PRP	comp=Z,11nm,0.7s	84.49	18	eP	P	03 51 25.9 -1.0
PRP	Porcupine Dome					

L04D	comp=Z,3.0nm,0.8s	84.58	45	P	P	03 51 27.9 0.0
L04D	Klamath Falls					
CMB	comp=Z,5nm,0.5s	84.60	50	eP	P	03 51 27.3 -0.7
CMB	Columbia Colle					
CMB	Columbia Colle	84.60	50	eP	pmax	03 51 27.3 -0.7
M04C	comp=Z,15nm,0.9s	84.76	46	P	P	03 51 29.3 +0.5
M04C	Macdoel					
KNGR	comp=Z,5nm,0.5s	84.79	324	f P	P	03 51 29.0 +0.3
KNGR	Kungurtug, Tuv					
VES	Vestal, Richgr	84.92	52	P	P	03 51 29.6 +0.1
J04D	comp=Z,5nm,0.5s	85.06	44	P	P	03 51 30.8 +0.4
J04D	Uma National					
K04D	Chiloquin, OR	85.10	45	P	P	03 51 30.5 +0.1
BEKR	Beckworth	85.20	48	eP	P	03 51 30.0 -1.1
MWC	comp=Z,14nm,0.9s	85.26	54	eP	P	03 51 29.6 -2.0
MWC	Mount Wilson					
MWC	comp=Z,14nm,0.8s	85.26	54	eP	pmax	03 51 29.6 -2.0
MWC	Mount Wilson					
ISA	comp=Z,16nm,1.0s	85.35	53	eP	P	03 51 30.8 -1.0
ISA	Isabella, Lake					
ISA	comp=Z,16nm,1.0s	85.35	53	eP	pmax	03 51 30.8 -1.0
ISA	Isabella, Lake					
ISA	comp=Z,16nm,1.0s	85.35	53	P	P	03 51 31.7 -0.1
ISA	Isabella, Lake					
WAKR	comp=Z,23nm,1.4s	85.46	50	eP	P	03 51 31.8 -0.7
WAKR	Walker					
MDPB	comp=Z,22nm,1.0s	85.46	50	eP	P	03 51 31.8 -0.8
MDPB	Devils Postpil					
EDWZ	comp=Z,22nm,1.0s	85.50	53	P	P	03 51 33.1 +0.5
EDWZ	Edwards Air Fo					
BFSC	comp=Z,254,SNR=7.9	85.58	54	P	P	03 51 33.1 0.0
BFSC	Mount Baldy Ra					
DAWY	Dawson	85.62	21	eP	P	03 51 31.8 -0.7
DAWY	comp=Z,11nm,0.8s	85.62	51	eP	P	03 51 33.8 +0.3
ML9C	Mammoth, Mammo	85.66	55	P	P	03 51 33.6 +0.3
ML9C	comp=Z,253					
109C	Camp Elliot, M	85.66	55	P	P	03 51 34.1 +0.7
109C	comp=Z,254					
J05D	Fort Rock, OR	85.68	45	P	P	03 51 33.2 -0.7
J05D	comp=Z,254					
YERR	Yerington	85.75	49	eP	P	03 51 34.2 +0.2
YERR	comp=Z,7.7nm,1.0s					
MURC	Murietta	85.78	55	P	P	03 51 34.2 +0.2
MURC	comp=Z,254					
PAHR	Pah Rah Range	85.86	48	eP	P	03 51 33.2 -1.2
PAHR	comp=Z,15nm,1.0s					
CWC	Cottonwood Cre	85.88	52	P	P	03 51 34.6 0.0
CWC	comp=Z,254					
E04D	Cinebar	85.90	41	P	P	03 51 35.1 +0.9
E04D	comp=Z,250					
L03C	Eldon	85.91	40	P	P	03 51 34.9 +0.7
L03C	comp=Z,249					
DRMD	Laurel Mtn Rad	85.91	53	P	P	03 51 34.9 +0.2
DRMD	comp=Z,254					
TIXI	Tiksi	85.92	349	eP	pmax	03 51 33.7 0.0
TIXI	comp=Z,6.0nm,0.6s					
TIN	Tinemaha, BI	85.94	51	P	P	03 51 35.4 +0.6
TIN	comp=Z,253					
I05D	Terrebonne, OR	85.95	44	P	P	03 51 35.0 +0.4
I05D	comp=Z,254					
PINE	Pine Mountain	86.05	44	eP	P	03 51 34.8 -0.5
PINE	comp=Z,21nm,1.0s					
RYN	Ryan	86.18	50	eP	P	03 51 35.5 -0.5
RYN	comp=Z,12nm,1.0s					
DAC	Darwin (Calif)	86.21	52	eP	P	03 51 35.6 -0.6
DAC	comp=Z,14nm,1.1s					
DAC	Darwin (Calif)	86.21	52	eP	pmax	03 51 35.6 -0.6
DAC						

6d 3h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like MAKZ Makanchi, H17A Grant Village, BV12 Saucer Basin, etc.

ISK 06 03:39:45.3, 37°85'N, 29°32'E, h5km, ML3.6/46
ISCJB 06 03:39:46.9, 0.5, 37°87'N, 0.02, 29°32'E, 0.02, h10km, 3km, mb3.7/2, Error ellipse: s-maj=3.0km s-min=2.5km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like DENT Denizli, KHL Karahalli, TAVA DENIZLI Tavass, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like AYDN Tasoluk, ELL Fethiye, FETY Fethiye, etc.

DDA 06 03:42:33.9, 37°87'N, 29°33'E, h7km, 2km, ML2.6
ISK 06 03:42:33.6, 37°91'N, 29°34'E, h5km, ML2.5/11
ISCJB 06 03:42:34.0, 0.9, 37°90'N, 0.03, 29°36'E, 0.04, h11km, Error ellipse: s-maj=5.1km s-min=4.1km az=159.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like DENT Denizli, KHL Karahalli, TAVA DENIZLI Tavass, etc.

370

mb1 4.4/6, mb1mx3/9.39, mbtmp4.2/6, ML4.2/1, Error ellipse: s-maj=47.3km s-min=29.1km az=122.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, etc.

IDC 06 03:44:56.3, 1.1, 11°18'S, 165°00'E, h0km, mb4.3/5, mb1 4.5/6, mb1mx4.2/38, mbtmp4.2/6, ML4.2/1, Error ellipse: s-maj=48.4km s-min=24.2km az=138.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, etc.

IDC 06 03:44:56.3, 1.1, 11°18'S, 165°00'E, h0km, mb4.3/5, mb1 4.5/6, mb1mx4.2/38, mbtmp4.2/6, ML4.2/1, Error ellipse: s-maj=48.4km s-min=24.2km az=138.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, etc.

IDC 06 03:45:01.3, 1.0, 11°35'S, 0.02, 165°15'E, h34km, n7, 131°17', mb4.2/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, etc.

IDC 06 03:45:01.3, 1.0, 11°35'S, 0.02, 165°15'E, h34km, n7, 131°17', mb4.2/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.

IDC 06 03:45:07.9, 1.0, 29°5'S, 165°29'E, h21km, mb5.5/3, mb5.2/61, BU 06 03:45:07.9, 1.0, 29°5'S, 165°29'E, h21km, mb5.5/3, mb5.2/61

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.

IDC 06 03:45:09.0, 0.2, 10°88'S, 0.04, 165°43'E, 0.05, h31km, n548, 089°55', mb5.2/31, 39C-9D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.

IDC 06 03:45:09.0, 0.2, 10°88'S, 0.04, 165°43'E, 0.05, h31km, n548, 089°55', mb5.2/31, 39C-9D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.

IDC 06 03:43:52.0, 1.0, 11°26'S, 165°12'E, h0km, mb4.3/5, mb1 3.6/3, mb1mx3.3/9, mbtmp3.6/3, ML3.1/1, Error ellipse: s-maj=147.5km s-min=23.2km az=146.0

Table with columns: WRA, Warramunga Arr, 31.32 249 P, P, 03 51 25.3 -1.6, etc. Includes stations like Birch Farm, Tophouse, Lake Taylor, Alice Springs, Alice Springs, Alice Springs, Alice Springs, etc.

Table with columns: GYA, comp=Z,650nm,18.2s, LR, LR, 03 51 25.3 -1.6, etc. Includes stations like Baijiatuu, Baijiatuu, Baijiatuu, Beijing, Beijing, Beijing, etc.

Table with columns: SML, Sawmill, 80.74 20 eP, P, 03 57 19.2 +0.1, etc. Includes stations like Sawmill, Sawmill, Divide, Divide, Zakamensk, Zakamensk, etc.







DL2	comp=Z,4um,18.6s	LR	LR		
DL2	comp=Z,3um,20.4s	LR	LR		
TYV	comp=Z,7um,20.4s	64.69 344	eP	P	04 00 21.8 -1.1
TYV	Tymovskoe		eS	S	04 09 01.9 -0.3
TYV	comp=Z,54nm,1.1s		pmax	pmax	
TYV	comp=E,800nm,7.7s		smax	smax	
BKNI	Bangkinang	65.10 275	eP	P	04 00 26.2 -0.2
SNY	Shenyang	65.15 327	ip	P	04 00 29.2 +3.1
SNY	comp=E,13nm,0.5s		pmax	pmax	
TIA	Taian	65.42 318	P	P	04 00 27.7 -0.4
CN2	Changchun	65.56 329	eP	P	04 00 28.6 -0.2
CN2			eS	sp	04 00 35.7 -0.5
CN2	comp=E,30nm,1.1s		pmax	pmax	
CN2	comp=E,6um,17.0s		LR	LR	
IPM	Ipooh	66.05 280	eP	P	04 00 31.6 -1.0
CASY	Casey	66.44 201	eP	P	04 00 34.3 +0.2
CASY	comp=E,134nm,1.3s		pmax	pmax	
GRNR	Gornyy	66.48 340	eP	P	04 00 36.0 +1.5
GRNR	comp=Z,42nm,1.0s		pmax	pmax	
KULM	Kulim	66.61 281	eP	P	04 00 36.2 +0.1
VNDA	Vanda	66.61 181	eP	P	04 00 36.3 +1.2
VNDA	comp=Z,41nm,1.1s		pmax	pmax	
VNDA	Vanda	66.61 181	P	P	04 00 36.0 +0.9
VNDA	comp=Z,14nm,0.9s		pmax	pmax	
VNDA	comp=Z,14nm,0.9s,baz=341,slow=7.5,SNR=10		pmax	pmax	
KLR	Kul'dur	66.88 337	eP	P	04 00 38.0 +0.8
SBA	Scott Base	66.92 180	eP	P	04 00 38.0 +1.0
NKL	Nikolayevsk	67.28 344	eP	P	04 00 39.6 +0.1
NKL	comp=Z,69nm,1.2s		pmax	pmax	
NIKH	Nikolski High	67.30 16	eP	P	04 00 40.1 +0.4
ENH	Enshi	67.70 309	eP	P	04 00 41.9 -0.9
ENH	comp=Z,53nm,1.2s		pmax	pmax	
GYA	Guiyang	68.22 304	ip	P	04 00 47.2 +0.9
GYA	comp=Z,40nm,1.0s		pmax	pmax	
GYA	comp=Z,160nm,8.2s		pmax	pmax	
GYA	comp=Z,2um,18.2s		LR	LR	
GYA	comp=Z,2um,18.8s		LR	LR	
GYA	comp=Z,2um,18.8s		LR	LR	
BJT	Baijiatatau	68.28 321	eP	P	04 00 46.1 -0.1
BJT	comp=Z,24nm,0.9s		pmax	pmax	
BJT	Baijiatatau	68.28 321	eP	P	04 00 46.1 -0.1
BJT	comp=Z,24nm,0.9s		pmax	pmax	
BJI	Beijing	68.29 321	P	P	04 00 47.0 +0.8
UNV	Unalaska Valle	68.74 17	eP	P	04 00 49.4 +0.6
AKUT	Akutan	69.21 18	eP	P	04 00 50.3 -1.3
AKUT	comp=Z,259nm,0.8s		pmax	pmax	
SHL	Shilong	69.37 317	eP	P	04 00 54.2 +1.1
TIY	Taiyuan		pwP	pmax	04 01 00.6 0.0
TIY	comp=Z,18nm,0.9s		pmax	pmax	
TIY	comp=Z,2um,17.1s		LR	LR	
TIY	comp=Z,2um,17.1s		LR	LR	
XAN	Xi'an	69.92 312	P	P	04 00 56.4 -0.2
XAN	comp=Z,21nm,1.2s		pmax	pmax	
XAN	comp=Z,4um,17.3s		LR	LR	
XAN	comp=Z,228nm,1.0s		pmax	pmax	
XAN	Xi'an	69.92 312	eP	P	04 00 56.1 -0.5
XAN	comp=Z,228nm,1.0s		pmax	pmax	
SPIA	Saint Paul Isl	70.72 14	eP	P	04 01 01.5 +0.6
KMI	Kunming	70.92 301	P	P	04 01 04.9 +1.8
KMI	comp=Z,22nm,0.9s		pmax	pmax	
KMI	Kunming	70.92 301	P	P	04 01 10.8 +0.2
KMI	comp=Z,30nm,1.5s		pmax	pmax	
KMI	Kunming	70.92 301	eP	P	04 01 03.2 +0.1
KMI	comp=Z,30nm,1.5s		pmax	pmax	
MA2	Magadan	71.27 352	eP	P	04 01 05.3 +1.2
MA2	comp=Z,49nm,1.5s		pmax	pmax	
MA2	Magadan	71.27 352	eP	P	04 01 07.7 +3.5
MA2	comp=Z,79nm,2.2s		pmax	pmax	
MA2	Magadan	71.27 352	P	P	04 01 03.9 -0.2
MA2	comp=Z,11nm,0.7s,baz=190,slow=5.8,SNR=7.2		pmax	pmax	
HHC	Hu-ho-hao-te	71.64 320	eP	P	04 01 10.3 +3.3
HHC	comp=Z,117,slow=4.4,SNR=36		pmax	pmax	
HHC	Hu-ho-hao-te	71.64 320	eP	P	04 01 17.4 +2.9
HHC	comp=Z,18nm,1.1s		pmax	pmax	
CM01	Chiang Mai Arr	71.89 294	eP	P	04 01 08.7 -0.1
CM31	Chiang Mai Arr	71.92 294	eP	P	04 01 09.3 +0.3
CMAR	Chiang Mai Arr	71.92 294	eP	P	04 01 09.6 +0.6
CMAR	comp=Z,22nm,0.9s,baz=117,slow=4.4,SNR=36		pmax	pmax	
CMMT	Chiang Mai	72.03 294	eP	P	04 01 10.7 +1.1
CHTO	Chiang Mai	72.03 294	eP	P	04 01 09.3 -0.4
CHTO	comp=Z,22nm,1.0s		pmax	pmax	
CHTO	Chiang Mai	72.03 294	P	P	04 01 10.5 +0.9
CHTO	SNR=11		pmax	pmax	
CHTO	Chiang Mai	72.03 294	P	P	04 01 10.8 +1.1
ZEA	Zeya	72.17 337	eP	P	04 01 10.0 +0.3
ZEA	comp=Z,106nm,1.0s		pmax	pmax	
ZEA	comp=E,59nm,1.0s		pmax	pmax	
ZEA	comp=N,130nm,1.2s		pmax	pmax	
ZEA	comp=Z,190nm,1.2s		pmax	pmax	
HIA	Hailar	72.19 330	eP	P	04 01 10.0 0.0
HIA	comp=Z,32nm,1.0s		pmax	pmax	
HIA	Hailar	72.19 330	eP	P	04 01 09.9 0.0
HIA	comp=Z,32nm,1.0s		pmax	pmax	
CD2	Chengdu	72.41 307	P	P	04 01 12.4 +0.7
CD2	comp=Z,37nm,1.1s		pmax	pmax	
CD2	Chengdu	72.41 307	P	P	04 10 37.1 +2.1
CD2	comp=Z,60nm,0.8s		pmax	pmax	
SEY	Seymchan	74.34 354	eP	P	04 01 22.8 +0.5
SEY	Seymchan	74.34 354	eP	P	04 01 22.4 +0.1
LZH	Lanzhou	74.56 312	ip	P	04 01 25.9 +1.5
LZH	comp=Z,46nm,1.3s		pmax	pmax	
LZH	comp=Z,190nm,4.3s		pmax	pmax	
LZH	comp=Z,2um,17.7s		LR	LR	
LZH	comp=Z,2um,17.7s		LR	LR	
LZH	comp=Z,2um,17.7s		LR	LR	
LZH	comp=Z,2um,18.6s		LR	LR	

OHAK	Old Harbor	75.85 22	eP	P	04 01 31.3 +0.1
OHAK	comp=Z,68nm,1.0s		pmax	pmax	
GAMB	Gambell	76.48 10	eP	P	04 01 34.9 +0.3
GAMB	comp=Z,45nm,0.8s		pmax	pmax	
KDAK	Kodiak Island	76.52 22	ip	P	04 01 36.5 +1.5
KDAK	Kodiak Island	76.52 22	ip	P	04 01 35.6 +0.7
KDAK	comp=Z,42nm,0.9s,baz=77,slow=1.6,SNR=13		pmax	pmax	
CIT	Chita	76.98 330	eP	P	04 01 39.1 +1.3
CIT	comp=Z,42nm,0.9s		pmax	pmax	
YAK	Yakutsk	77.94 344	eP	P	04 01 54.7 -0.7
YAK	comp=Z,52nm,1.6s		pmax	pmax	
YAK	comp=N,20nm,1.4s		pmax	pmax	
YAK	comp=E,12nm,1.5s		pmax	pmax	
YAK	comp=Z,608nm,4.8s		pmax	pmax	
YAK	comp=N,246nm,5.0s		pmax	pmax	
YAK	comp=E,574nm,5.5s		smax	smax	
YAK	comp=N,1um,9.3s		smax	smax	
YAK	comp=E,2um,9.5s		MLR	MLR	
YAK	comp=Z,11um,19.0s		MLR	MLR	
YAK	comp=E,5um,19.0s		MLR	MLR	
YAK	comp=N,5um,23.0s		MLR	MLR	
SVWZ	Sparrevohn	78.05 18	eP	P	04 01 43.9 +0.4
SVWZ	comp=Z,14nm,0.9s		pmax	pmax	
ULN	Ulanbaatar	78.11 324	eP	P	04 01 44.0 -0.4
ULN	comp=N,45nm,1.0s		pmax	pmax	
ULN	Ulanbaatar	78.11 324	eP	P	04 01 44.9 +0.6
ULN	comp=Z,46nm,1.0s		pmax	pmax	
ULN	Ulanbaatar	78.11 324	P	P	04 01 45.2 +0.9
ULN	SNR=13		pmax	pmax	
HOM	Home	78.24 21	eP	P	04 01 44.9 +0.4
HOM	comp=Z,181nm,0.9s		pmax	pmax	
ANM	Nome	78.41 12	eP	P	04 01 46.5 +1.1
ANM	comp=Z,45nm,1.2s		pmax	pmax	
RSO	Redoubt South	78.46 20	eP	P	04 01 45.2 -0.8
RSO	comp=Z,36nm,1.0s		pmax	pmax	
SOMN	Somgo Array	78.48 324	eP	P	04 01 46.3 0.0
SOMN	comp=Z,22nm,1.0s,baz=128,slow=4.4,SNR=36		pmax	pmax	
SONA1	Songiro Array	78.48 324	eP	P	04 01 45.5 -0.8
BRLK	Bradley Lake	78.58 21	eP	P	04 01 46.2 -0.3
BRLK	comp=Z,56nm,0.8s		pmax	pmax	
BILL	Biilbino	78.76 0	eP	P	04 01 47.1 -0.2
BILL	comp=Z,66nm,1.0s		pmax	pmax	
BILL	Biilbino	78.76 0	eP	P	04 01 47.2 -0.1
BILL	comp=Z,85nm,1.3s		pmax	pmax	
GTA	Gaotai	78.86 314	P	P	04 01 49.2 +0.6
GTA	comp=Z,33nm,1.1s		pmax	pmax	
GTA	Gaotai	78.86 314	P	P	04 01 56.1 -0.1
GTA	comp=Z,33nm,1.1s		pmax	pmax	
QSPA	South Pole Qui	79.08 180	eP	P	04 01 49.4 +0.1
QSPA	comp=Z,107nm,0.9s		pmax	pmax	
SEW	Seward	79.33 21	eP	P	04 01 50.1 -0.4
SEW	comp=Z,51nm,0.9s		pmax	pmax	
SUA	Suisun One	79.86 20	eP	P	04 01 53.0 -0.6
SUA	comp=Z,58nm,1.2s		pmax	pmax	
RC01	Rabbit Creek A	79.93 20	eP	P	04 01 53.8 0.0
RC01	comp=Z,36nm,1.0s		pmax	pmax	
SHL	Shilong	80.32 298	eP	P	04 01 56.1 -0.9
SHL	comp=Z,35nm,1.0s		pmax	pmax	
SHL	Shilong	80.32 298	eP	P	04 01 56.1 -0.9
SHL	comp=Z,35nm,1.0s		pmax	pmax	
SHL	Shilong	80.32 298	eP	P	04 01 56.5 -0.4
SHL	comp=Z,35nm,1.0s		pmax	pmax	
BOD	Bodaibo	80.36 335	eP	P	04 01 54.7 -1.4
BOD	comp=Z,72nm,1.4s		pmax	pmax	
PPLA	Purkeypile	80.46 18	eP	P	04 01 56.9 +0.1
PPLA	comp=Z,36nm,1.4s		pmax	pmax	
PMR	Palmer	80.50 20	eP	P	04 01 57.3 +0.5
PMR	comp=Z,41nm,1.0s		pmax	pmax	
PMR	Palmer	80.50 20	eP	P	04 01 57.3 +0.5
PMR	comp=Z,41nm,1.0s		pmax	pmax	
KNK	Knik Glacier	80.60 21	eP	P	04 01 57.5 +0.1
KNK	comp=Z,20nm,0.8s		pmax	pmax	
GLI	Glacier Island	80.71 21	eP	P	04 01 58.3 +0.3
GLI	comp=Z,158nm,1.5s		pmax	pmax	
CAST	Castle Rocks	80.88 18	eP	P	04 01 58.7 -0.2
CAST	comp=Z,38nm,0.8s		pmax	pmax	
SML	Sawmill	80.92 20	eP	P	04 01 59.7 +0.5
SML	comp=Z,55nm,1.1s		pmax	pmax	
SML	Sawmill	80.92 20	eP	P	04 01 59.7 +0.5
SML	comp=Z,55nm,1.1s		pmax	pmax	
EYAK	Cordova Ski Ar	80.97 22	eP	P	04 01 59.7 +0.3
EYAK	comp=Z,69nm,1.2s		pmax	pmax	
DIV	Divide	81			

Table with columns: ID, Name, Location, Az, El, AzEl, P, M, AzEl, P, M, AzEl, P, M. Includes entries like 105D Terrebonne, OR, 85.75 44 P, P, 04 02 24.6 +0.1, etc.

Table with columns: ID, Name, Location, Az, El, AzEl, P, M, AzEl, P, M, AzEl, P, M. Includes entries like E09A Wood Farm, Sta, 88.58 42 eP, P, 04 02 38.4 +0.4, etc.

Table with columns: ID, Name, Location, Az, El, AzEl, P, M, AzEl, P, M, AzEl, P, M. Includes entries like HRY Holter Resear, 92.83 43 eP, P, 04 02 58.0 -0.1, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BOZ Bozeman, MKK2 Makanchi Array, ZALV Zalesovo Beam, etc.

IDC 06 03:57:03.4.1.7, 11:09S;165:72E, h0km, mb4.4/7, mb1 4.7/7, mb1mx4.2/40, mbtmp4.4/7, Error ellipse: s-maj=72.0km s-min=23.0km az=146.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, etc.

IDC 06 03:58:29.9.0.6, 11:15S;165:15E, h0km, mb4.6/14, mb1 4.7/15, mb1mx4.4/42, mbtmp4.6/15, ML4.7/1, Error ellipse: s-maj=23.0km s-min=16.5km az=134.0

NEIC 06 03:58:31.3.0.2, 11:22S;165:15E, h10km, mb4.8/21, Error ellipse: s-maj=6.7km s-min=5.4km az=108.0

ISCJB 06 03:58:32.9.0.3, 11:32S;165:10E;0.07, h31km, mb4.8/22, Error ellipse: s-maj=9.4km s-min=7.8km az=8.0

ISC 06 03:58:34.0.5.1, 11:22S;165:2E;0.1, h31km, n66, -0.94/67, mb4.8/29, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, EIDS Eidsvold, CTAA Charters Tower, ARMA Armadale, RAO Raoul Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MK31 Makanchi Array, MK32 Makanchi Array, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, etc.

IDC 06 03:59:39.2.2.8, 11:08S;165:28E, h0km, mb4.5/4, mb1 4.8/4, mb1mx4.1/39, mbtmp4.5/4, Error ellipse: s-maj=154.9km s-min=29.0km az=141.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, YKA Yellowknife Arr, etc.

IDC 06 04:02:58.8.2.2, 10:73S;164:53E, h0km, mb4.2/4, mb1 4.4/5, mb1mx3.9/36, mbtmp4.2/5, ML3.9/1, Error ellipse: s-maj=92.3km s-min=27.3km az=130.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CTA Charters Tower, STKA Stephens Creek, WRA Warramunga Arr, ILAR Eielson Array, MKAR Makanchi Array, etc.

IDC 06 04:03:20.0.3.7, 11:08S;165:39E, h0km, mb4.1/3, mb1 4.4/3, mb1mx3.8/37, mbtmp4.1/3, Error ellipse: s-maj=181.6km s-min=34.4km az=138.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

IDC 06 04:03:48.8.1.6, 11:37S;164:46E, h0km, mb4.4/4, mb1 4.6/5, mb1mx3.9/37, mbtmp4.4/5, ML4.2/1, Error ellipse: s-maj=47.4km s-min=28.6km az=126.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

ISCJB 06 04:05:52.4.1.1, 11:35S;165:0E;0.2, h10km, mb3.9/6, Error ellipse: s-maj=29.2km s-min=17.7km az=6.0

IDC 06 04:05:52.4.1.5, 11:25S;165:04E, h0km, mb4.0/6, mb1 4.2/7, mb1mx3.8/37, mbtmp4.0/7, ML4.0/1, Error ellipse: s-maj=47.7km s-min=25.0km az=116.0

ISC 06 04:05:54.1.1.2, 11:25S;165:0E;0.2, h10km, n10, -0.92/77, mb4.1/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, H1N1 WAKE ISLAND Hy, H1N2 WAKE ISLAND Hy, etc.

IDC 06 04:08:20.8.1.6, 11:47S;165:42E, h0km, mb3.9/6, mb1 4.1/7, mb1mx3.8/39, mbtmp3.9/7, ML4.3/1, Error ellipse: s-maj=49.1km s-min=25.0km az=114.0

ISCJB 06 04:08:22.6.1.1, 11:65S;165:5E;0.2, h24km, mb3.8/6, Error ellipse: s-maj=30.8km s-min=18.3km az=2.2

ISC 06 04:08:24.1.2.1, 11:55S;165:0E;0.1, h24km, n7, -0.83/77, mb3.9/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, SONM Songoing Array, etc.

MKAR Makanchi Array 93.69 317 P P 04 21 39.8 +0.6

ISCJB 06 04:09:08.7.0.4, 11:55S;165:16E, h0km, mb4.3/15, mb4.5/8, Error ellipse: s-maj=16.5km s-min=7.8km az=149.1

IDC 06 04:09:08.2.1.1, 11:59S;165:16E, h0km, mb4.3/15, mb1 4.4/15, mb1mx4.3/39, mbtmp4.2/15, Error ellipse: s-maj=38.1km s-min=17.0km az=136.0

NEIC 06 04:09:10.1.0.3, 11:53S;165:04E, h10km, mb4.8/23, Error ellipse: s-maj=12.4km s-min=5.5km az=149.0

ISC 06 04:09:09.8.0.7, 11:65S;165:1E;0.2, h10km, n49, -0.97/47, mb4.7/34, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CTA Charters Tower, CTAA Charters Tower, STKA Stephens Creek, WRA Warramunga Arr, WB2 Warramunga Arr, etc.

IDC 06 04:11:33.4.1.6, 10:77S;165:38E, h0km, mb3.9/6, mb1 4.1/7, mb1mx3.8/44, mbtmp3.9/7, ML4.2/1, Error ellipse: s-maj=47.9km s-min=25.2km az=122.0

ISCJB 06 04:11:36.3.1.1, 10:95S;165:3E;0.2, h30km, mb3.7/5, Error ellipse: s-maj=27.9km s-min=17.7km az=5.3

ISC 06 04:11:38.2.1.2, 10:85S;165:4E;0.2, h30km, n10, -0.79/77, mb3.8/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, CTA Charters Tower, H1S2 WAKE ISLAND Hy, H1S3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, etc.

IDC 06 04:13:29.1.4.1, 11:76S;165:47E, h0km, mb4.1/5, mb1 4.2/6, mb1mx3.8/47, mbtmp4.0/6, ML4.0/1, Error ellipse: s-maj=48.9km s-min=27.1km az=130.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, MKAR Makanchi Array, YKA Yellowknife Arr, etc.







6d 4h

Table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res. Includes stations like MSU Marysvalle, HVU Hansel Valley, NLU North Lily Min, etc.

IDC 06 04:20:48.5:0.5, 10:30Sx165:66E, h0km, mb4.8/26, mb1.5/208, mb1mx4.8/53, mbtmp4.9/28, ML5.4/2, Error ellipse: s-maj=17.2km s-min=13.3km az=119.0

NEIC 06 04:20:50.0:0.1, 10:83Sx165:58E, h10km, mb5.2/38, Error ellipse: s-maj=3.0km s-min=2.1km az=112.0

ISCJB 06 04:20:51.7:0.1, 10:92Sx102:165:57E:0:03, h30km, mb5.1/172, MS6.0/1, Error ellipse: s-maj=4.4km s-min=3.2km az=22.5

MOS 06 04:20:52.1:0.9, 10:33Sx165:54E, h33km, mb5.2/41, Error ellipse: s-maj=0.2km s-min=0.0km az=50.0

ISC 04:20:52.5:0.6, 10:30Sx105:163:61E:0:06, h30km, n367, r1500/365, mb5.2/172, 13C-2D, Santa Cruz Islands

Main station list table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res. Includes stations like HNR Honiara, MARNC Mare, Loreally, DZM Mont Dzumac, etc.

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Main station list table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, MMRI Maumere, MBWA Marble Bay, etc.

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Main station list table with columns: Code, Station Name, Az, El, AzE, Phase ID, Time, Res. Includes stations like BILL Bilibino, BILL Bilibino, BILL Bilibino, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like D03D Eldon, I05D Terrebonne, OR, PINE Pine Mountain, RYN Ryan, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like HLID Hailey, HLID Hailey, PKCU Pink Cliffs, X16A Lo Mia Camp, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other parameters. Includes stations like KEST Kesra, MDT Midett, TOAD Tori Ar, TORD Torodi Arr, etc.

IDD 06:47:29.4, 0.7, 10.845, 165.16E, h0km, mb4.6/22, mb1 4.7/23, mb1mx4.6/51, mbtmp4.6/23, ML5.2/1, Error ellipse: s-maj=21.4km s-min=14.4km az=104.0, NEIC 06:42:30.1, 4.0, 3, 10.775, 165.14E, h10km, mb5.2/16, Error ellipse: s-maj=9.3km s-min=6.8km az=86.0, ISCJB 06:42:30.2, 1.0, 3, 10.845, 0.05, 165.14E, 0.06, h30km, mb4.8/34, Error ellipse: s-maj=9.0km s-min=5.8km az=152.5

ISC 06:42:30.8, 0.5, 10.875, 0.07, 165.25E, 0.08, h30km, n77, 4.125, 7/3, mb4.8/34, Santa Cruz Islands

Table with columns: Code, Station Name, Frequency, Mode, Power, and other parameters. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.

IDD 06:47:27.38, 1.1, 12.121, 135.165, 99E, h0km, mb4.5/16, mb1 4.6/17, mb1mx4.4/50, mbtmp4.5/17, ML4.9/1, Error ellipse: s-maj=36.9km s-min=18.7km az=128.0, NEIC 06:47:40.1, 0.3, 12.025, 165.90E, h10km, mb5.1/19, Error ellipse: s-maj=12.6km s-min=8.2km az=113.0, ISCJB 06:47:41.6, 0.4, 12.085, 0.06, 165.81E, 0.08, h30km,

mb4.8/34, Error ellipse: s-maj=11.3km s-min=9.2km az=7.6

ISC 06 04:27:43.3-0.6, 12.0S:01:165.9E:0.1, h30km, n62, c=117/65, mb4.8/34, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC, HNR, Honiara, CTA, Charters Tower, CTAO, Charters Tower, URZ, Urewera, STKA, Stephens Creek, STKA, Stephens Creek, SNZO, South Karori, WRAB, Tennant Creek, WB2, Warramunga Arr, WB2, Warramunga Arr, WRA, Warramunga Arr, FOZ, Fox Glacier, AS31, Alice Springs, AS31, Alice Springs, ASAR, Alice Springs, ASAR, Alice Springs, FITZ, Fitzroy Crossi, MBWA, Marble Bar, MJAR, Matsushiro Arr, MAJO, Matsushiro, KSM, Kuching, KSRS, Korea Array, KS15, Wonju Array Si, KSAR, Wonju Array Be, KS01, Wonju Array Si, USRK, Ussuriysk Arr, IPM, Ipho, KLR, Kul'dur, PSI, Prapat, ENH, Enshi, XAN, Xi'an, CM01, Chiang Mai Arr, CM31, Chiang Mai Arr, CMAR, Chiang Mai Arr, CMHT, Chiang Mai, CMMT, Chiang Mai, CHTO, Chiang Mai, QSPA, South Pole Qui, SONAO, Sogingo Array, SONM, Sogingo Array, SONA1, Sogingo Array, ILAR, Eielson Array, ILB, Eielson Array, IL1, Eielson Array, AFDM, Forest Hills D, NV01, Mina Array Sit, TIXI, Tiksi, TIXI, Tiksi, MK01, Makanchi Array, MK31, Makanchi Array, MK32, Makanchi Array, MKAR, Makanchi Array, ZAAO, Zalesovo Array, ZALV, Zalesovo Beam, ZALV, Zalesovo Beam, ZAA1, Zalesovo Array, ARAO, ARCESS Array S, ARCES, ARCESS Array B, FIAO, FINESS Array B, FIAO, FINESS Array B, GEC2, GERES Array S, GERES, GERES Array S, ES19, SONSECA Array, ESDC, Sonseca Array

ISC 06 04:31:19.7-1.3, 10.81S:165.49E, h0km, mb3.9/4, mb1 4.3/6, mb1mx3.8/46, mbtmp4.1/6, ML4.7/2, Error ellipse: s-maj=41.2km s-min=25.7km az=143.0

ISC/CB 06 04:31:22.7-1.1, 10.9S:01:165.4E:0.1, h30km, mb3.9/4, Error ellipse: s-maj=20.9km s-min=19.0km az=44.6

ISC 06 04:31:24.5-1.1, 10.8S:01:165.5E:0.1, h30km, n6, c=088/6, mb3.9/4, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC, HNR, Honiara, DZM, Mont Dzumac, WRA, Warramunga Arr, ASAR, Alice Springs, ILAR, Eielson Arr, NVAR, Mina Array Be

ISC 06 04:32:36.2-0.6, 11.02S:165.35E, h0km, mb4.3/18, mb1 4.5/20, mb1mx4.4/47, mbtmp4.3/20, ML4.6/2, Error ellipse: s-maj=18.8km s-min=15.4km az=134.0

NEIC 06 04:32:38.0-0.2, 11.00S:165.25E, h10km, mb4.9/47, Error ellipse: s-maj=6.1km s-min=4.8km az=134.0

ISC/CB 06 04:32:39.3-0.2, 11.09S:01:165.18E:0.0, h30km, mb4.7/62, Error ellipse: s-maj=6.7km s-min=5.8km az=160.0

ISC 06 04:32:40.9-0.4, 11.02S:165.31E:0.08, h30km, n99, c=090/103, mb4.8/62, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC, HNR, Honiara, DZM, Mont Dzumac, CTA, Charters Tower, CTAO, Charters Tower

URZ Urewera 29.11 161 P 04 38 39.5 +0.5

URZ Urewera 29.11 161 P 04 38 38.8 -0.2

BKZ Black Stump Fm 29.75 162 P 04 38 45.1 +0.4

STKA Stephens Creek 30.17 223 P 04 38 49.0 +0.5

STKA Stephens Creek 30.17 223 P 04 38 49.0 +0.5

WC3 Warramunga Arr 31.07 250 P 04 38 54.7 -1.9

WRAB Tennant Creek 31.08 250 P 04 38 54.1 -2.6

WB2 Warramunga Arr 31.08 250 P 04 38 54.2 -2.5

WR1 Warramunga Arr 31.09 250 P 04 38 55.2 -1.6

WRA Warramunga Arr 31.09 250 P 04 38 55.2 -1.6

THZ Tophouse 31.34 169 P 04 38 59.4 +0.6

LTZ Lake Taylor 32.22 170 P 04 39 07.3 +0.8

AS01 Alice Springs 32.38 243 P 04 39 10.0 +1.8

AS31 Alice Springs 32.42 243 P 04 39 07.7 -0.9

ASAR Alice Springs 32.42 243 P 04 39 07.6 -0.9

OXZ Oxford 32.71 171 P 04 39 11.6 +0.8

RPZ Rita Peak 32.95 172 P 04 39 11.5 -1.3

ODZ Otahua Downs 34.21 173 P 04 39 24.7 +1.0

FITZ Fitzroy Crossi 38.97 255 P 04 40 04.8 0.0

LUWI Luwuk 43.39 280 P 04 40 40.4 +0.7

OPA Opana 48.51 48 P 04 41 21.7 +0.4

MJAR Matsushiro Arr 55.75 333 P 04 42 00.1 -0.4

MAJO Matsushiro 55.75 333 P 04 42 00.1 -0.4

KSRS Korea Array 59.62 326 P 04 42 42.6 +0.5

KS15 Wonju Array Si 59.62 326 P 04 42 42.6 +0.5

KSAR Wonju Array Be 59.63 326 P 04 42 42.6 +0.5

USRK Ussuriysk Arr 60.77 334 P 04 43 04.4 +1.3

KLR Kul'dur 66.76 337 P 04 43 30.6 +0.7

SONAO Sogingo Array 78.39 324 P 04 44 39.2 +0.4

SONM Sogingo Array 78.39 324 P 04 44 39.2 +0.4

BILL Bilibino 78.86 0 P 04 44 40.7 0.0

QSPA South Pole Qui 78.98 180 P 04 44 41.9 +0.1

CAST Castle Rocks 81.06 18 P 04 44 52.4 -0.3

IM3 Indian Mountai 82.52 16 P 04 45 00.6 +2.4

GDXM Geysers 83.12 48 P 04 45 06.6 +2.4

HDA Harding Lake 83.36 19 P 04 45 04.6 -0.2

IL1 Eielson Array 83.62 19 P 04 45 05.0 -1.1

ILAR Eielson Array 83.62 19 P 04 45 05.7 -0.4

ILB Eielson Array 83.62 19 P 04 45 05.9 -0.2

AFDM Forest Hills D 84.50 49 P 04 45 11.5 +0.3

CMB Columbia Colle 84.65 50 P 04 45 12.2 +0.2

WAKR Walker 85.51 50 P 04 45 17.2 +0.7

MDPB Devils Postpil 85.51 50 P 04 45 17.1 +0.5

PAHR Pah Rah Range 85.91 48 P 04 45 18.9 +0.5

MOD Modoc Plateau 85.93 46 P 04 45 18.7 +0.3

NV01 Mina Array Sit 86.33 50 P 04 45 20.4 -0.2

NVAR Mina Array Be 86.33 50 P 04 45 20.6 0.0

NV11 Mina Array Sit 86.44 50 P 04 45 21.6 +0.5

KVN Kaiserville 86.47 49 P 04 45 22.4 +0.3

J08A Cirik Bar Ran 87.67 45 P 04 45 27.2 +0.4

LDFC Landfair 87.88 54 P 04 45 28.9 +0.8

G08A Pilot Rock 87.92 43 P 04 45 28.7 +0.7

SHPR Sheep Range 88.21 52 P 04 45 30.9 +1.3

W13A Hualapai Mount 88.86 54 P 04 45 33.6 +0.8

LCMT Little Creek M 89.82 52 P 04 45 38.0 +0.9

UCST Cedar City 89.86 52 P 04 45 37.0 -0.5

U15A North Rim 90.43 53 P 04 45 41.2 +1.0

HLID Halley 90.56 46 P 04 45 41.3 +0.7

PKCU Pink Cliffs 90.65 52 P 04 45 43.4 +2.1

X16A Lo Mia Camp, P 90.66 55 P 04 45 42.2 +1.1

TUC Tupu 90.73 57 P 04 45 42.7 +1.2

MTC Mount Pierson 90.88 52 P 04 45 43.9 +1.6

BGU Big Grassy Mou 90.92 49 P 04 45 42.7 +0.5

WUAZ Wupatki 90.95 54 P 04 45 43.5 +1.0

MSU Marsyvale 91.00 51 P 04 45 43.6 +0.9

HVU Harsney Valley 91.31 48 P 04 45 44.7 +0.7

X18A Snowflake 91.88 55 P 04 45 48.3 +1.4

0.7mm, 0.7s, baz=19, slow=1.5, SNR=5.4

TOAO Torodi Arr. Sit 163.84 279 P 04 52 41.9 -0.2

TORD Torodi Arr. Bea 163.84 279 P 04 52 41.7 -0.0

TORD 2.7mm, 1.0s, baz=332, slow=1.6, SNR=5.4 P 04 53 34.7 0.0

TOA1 Torodi Arr. Sit 163.84 279 P 04 52 41.7 -0.5

TOA1 2.7mm, 1.1s, baz=77, slow=3.1, SNR=2.5 P 04 53 34.7 0.0

ISC 06 04:33:44.3-1.1, 10.95S:165.37E, h0km, mb4.3/8, mb1 4.5/9, mb1mx4.1/46, mbtmp4.3/9, ML4.5/1, Error ellipse: s-maj=41.9km s-min=20.0km az=132.0

ISC/CB 06 04:33:47.2-0.8, 11.1S:01:165.3E:0.2, h30km, mb4.2/7, Error ellipse: s-maj=23.6km s-min=15.4km az=29.3

ISC 06 04:33:48.9-0.9, 11.0S:01:165.5E:0.2, h30km, n9, c=098/9, mb4.2/7, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC, DZM, Mont Dzumac, CTA, Charters Tower, STKA, Stephens Creek, WRA, Warramunga Arr, ASAR, Alice Springs, SONM, Sogingo Array, ILAR, Eielson Array, NVAR, Mina Array Be, YKA, Yellowknife Arr

NEIC 06 04:34:45.6-0.1, 11.25S:164.86E, h10km, mb5.0/91, Error ellipse: s-maj=3.5km s-min=2.6km az=96.0

ISC/CB 06 04:34:48.2-0.1, 11.36S:164.79E:0.03, h34km, mb4.9/121, Error ellipse: s-maj=4.1km s-min=3.4km az=7.4

ISC 06 04:34:49.5-5.5, 11.26S:164.89E, h32km, 39km, mb4.5/20, mb1 4.7/23, mb1mx4.5/47, mbtmp4.7/23, ML5.0/3, Error ellipse: s-maj=17.0km s-min=13.7km az=63.0

ISC 06 04:34:49.2-0.3, 11.34S:164.91E:0.06, h34km, n273, c=1940/274, mb4.9/121, 2-C2D, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC, HNR, Honiara, HNR, Honiara, HNR, Honiara, MARNC, Mare, Loyalty, DZM, Mont Dzumac, DZM, Mont Dzumac, DZM, Mont Dzumac, DZM, Mont Dzumac, ONTNC, Ouen Toro, ONTNC, Ouen Island, N, QUENC, Ouen Island, N, PINOC, Pines Island, CTA, Charters Tower, CTAO, Charters Tower, MTSU, Mount Surprise, COEN, Coen, ARMQ, Roma, ARMA, Armidale, QLP, Quipie, OUZ, Omahuta, QIS, Mount Isa, CMSA, Colbar Meteorol, CNB, Canberra Magne, HIZ, Hauiti, OMRZ, Omania, HAZ, Te Kaha, MXZ, Matakaoa Point, MXZ, Matakaoa Point, RUGZ, Raukumara Rang, URZ, Urewera, URZ, Urewera, URZ, Urewera, TWGZ, Tauwharepare, RTZ, Ratuca, TKGZ, Te Karaka, SNGZ, Shannon Statio, CNZG, Carnagh Statio, RAHZ, Aarahi, BKZ, Black Stump Fm, MOVZ, Moawhango, RIGZ, Rimuhau, NMHZ, Naumai, STKA, Stephens Creek, STKA, Stephens Creek, STKA, Stephens Creek, H11S2, WAKE ISLAND Hy 29.70, H11S3, WAKE ISLAND Hy 29.70, H11S1, WAKE ISLAND Hy 29.70, BWHZ, Black Hill Sta, KHZ, Kaweka Forest, MHGZ, Mahia Peninsula, KAHZ, Kahuranaki, PKZ, Pawanui, WAKE ISLAND, WRAB, Tennant Creek, WRA, Warramunga Arr, WB2, Warramunga Arr, WRA, Warramunga Arr, BFZ, Birch Farm, H11N1, WAKE ISLAND Hy 30.92, H11N3, WAKE ISLAND Hy 30.93, H11N2, WAKE ISLAND Hy 30.94, SNZO, South Karori, THZ, Tophouse, TOO, Toolangi, KDU, Kakadu

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like Kahutara, Alice Springs, ASAR, LTZ, Foz, HTT, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like LZH, LZH, LZH, ULN, SONM, etc.

Table with columns: Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like PDMCI, BMO, 214A, ELK, etc.

ISCJB 06:04:38.06:0.0,3, 11:70S:0.05:165:71E:0.06,1h0km, mb4, 8/36, Error ellipse: s-maj=9.6km s-min=6.3km

Table with columns: Code, Station Name, Frequency, Power, Modulation, and other technical details. Includes stations like HNR, HNR, DZM, etc.



6d 4h

Table with columns: LTZ, OXZ, RPZ, MQZ, AS31, AS31, ASAR, ASAR, LBZ, ODZ, MTN, MJAR, MAJO, KSRs, KS15, KSAR, KS01, USKR, IPM, KLR, ENH, XAN, CM01, CM31, CMAR, QSPA, YJLN, SONA0, SONM, SONA1, ILI, ILAR, ILB, TIXI, MK32, MKAR, ZAA0, ZALV, ZALV, ZAA1, YKA, YKB5, ARA0, ARCE5, FIA0, FINE5, BOS4, NB2, NB20, NB0A, HFS, AKAS0, AKKB, AKB1, BR10, BR11, KHC, GEC2, GERE5, KEST, ESDC, TOA0, TOA0, TOA1. Each row contains station name, coordinates, and various parameters.

IDC 06 04:40:19.1.0.9, 11:0.835x165.48E, h0km, mb4.4/7, mb1.4.7/8, mb1mx4.1/43, mbtmp4.5/8, ML4.8/1, Error ellipse: s-maj=48.1km s-min=19.9km az=136.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like DZM, STKA, WRA, ASAR, ILAR, NVAR, MKAR, YKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like JAO, JAO, JYTA, JYTA, TSUJ, TSUJ, TK04, TK04, JIE.

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Table with columns: JIE, JYN, JFNN, TK02, JKG, MAT, MAT, IDC 06 04:44:15.3.1.4, 10.94Sx165.36E, h0km, mb4.1/9, mb1.4.2/10, mb1mx4.0/41, mbtmp4.1/10, ML4.4/1, Error ellipse: s-maj=40.8km s-min=23.2km az=117.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like DZM, H11S2, H11S3, H11S1, H11N1, H11N3, H11N2, WRA, ASAR, USKR, KSRs, KLR, SONM, ILAR, MKAR, YKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like HNR, EIDS, CTA, MANU, COEN, KNTN, HIZ, BKZ, STKA, STKA, WRAB, WB2, WRI, RPZ, AS31, ASAR, DCZ, KSRs, KSAR, CM01, CM31, CMAR, QSPA, YJLN, SONA0, SONM, SONA1, ILAR, ILB, TIXI, MK32, MKAR, ZALV, ZALV, ZAA1, MAK2, ARA0, ARCE5, AKK1, AKK1, TOA0, TOA0, TOA1.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like STKA, WRA, ASAR, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like DZM, STKA, WRA, ASAR, SONM, ILAR, NVAR, MKAR, YKA.

IDC 06 04:51:23.7.2.1.8, 10.765Sx165.19E, h0km, mb3.8/4, mb1.4.1/5, mb1mx3.8/38, mbtmp3.9/5, ML4.0/1, Error ellipse: s-maj=58.0km s-min=33.4km az=101.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like DZM, CTA, WRA, ASAR, ILAR, SONM.

IDC 06 04:52:31.4.1.8, 10.655Sx164.51E, h0km, mb3.6/3, mb1.4.0/4, mb1mx3.7/37, mbtmp3.8/4, ML3.8/1, Error ellipse: s-maj=51.6km s-min=33.2km az=128.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like DZM, WRA, ASAR, ILAR, MKAR.

IDC 06 04:54:50.0.1.7, 11.545Sx165.06E, h0km, mb3.8/3, mb1.4.0/4, mb1mx3.7/39, mbtmp3.8/4, ML3.6/1, Error ellipse: s-maj=55.1km s-min=34.8km az=114.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like DZM, WRA, ILAR, MKAR, YKA.

IDC 06 04:55:01.6.1.1, 10.95Sx165.47E, h0km, mb4.1/8, mb1.4.3/9, mb1mx4.1/40, mbtmp4.1/9, ML4.4/1, Error ellipse: s-maj=40.3km s-min=21.0km az=130.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Lists stations like DZM, STKA, WRA, ASAR, SONM, ILAR, NVAR, MKAR, YKA.

IDC 06 04:56:16.0.0.6, 11.235Sx165.21E, h0km, mb4.7/17, mb1.4.8/19, mb1mx4.6/41, mbtmp4.7/19, ML4.8/2, Error ellipse: s-maj=20.3km s-min=15.3km az=139.0

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MZK, URZ, BKZ, BHHZ, H1S12, H1S13, H1S14, STKA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SRDT, UTHA, KMI, CMAR, CMMT, CHTO, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like EDWZ, BFSC, DAWY, PALK, PAHR, CWC, etc.

6d 5h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Includes stations like KSH Kashi, KSH Kashi, KSH Kashi, etc.

IDC 06 05:00:14.7.0.5, 11:17:25.0:165:56E, h0km, mb4.2/9, mb1 4.4/10, mb1mx4.2/39, mbtmp4.2/10, Error ellipse: s-maj=50.9km s-min=26.0km az=123.0

ISC/JB 06 05:00:20.3.1.2, 11:25:0.1:165:56E, h0.2, h30km, mb4.2/5, Error ellipse: s-maj=30.7km s-min=19.8km az=2.3

ISC 06 05:00:22.0.1.1, 11:15:0.1:165:56E, h0.2, h30km, mb, +0579/8, mb4.2/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Includes stations like DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, etc.

IDC 06 05:00:13.4.1.5, 11:18:35.0:165:29E, h0km, mb4.2/10, mb1 4.4/10, mb1mx4.2/39, mbtmp4.2/10, Error ellipse: s-maj=50.9km s-min=26.1km az=146.0

ISC/JB 06 05:00:14.7.0.5, 11:16:35.0:08:165:1E, 0.1, h10km, mb4.2/17, Error ellipse: s-maj=14.2km s-min=11.1km az=11.3

NEIC 06 05:00:16.2.0.4, 11:57:35.0:165:14E, h10km, mb4.3/4, Error ellipse: s-maj=14.2km s-min=10.3km az=110.0

ISC 06 05:00:15.9.0.7, 11:18:50.0:165:22E, h0.2, h10km, n27, +1818/25, mb4.2/17, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Includes stations like MARNC Mare, Loyalty, ARMA Armadale, OUZ Omaha, etc.

IDC 06 05:00:44.1.0.7, 11:25:5.0:165:56E, h0km, mb4.2/9, mb1 4.4/10, mb1mx4.1/40, mbtmp4.2/10, ML4.7/1, Error ellipse: s-maj=30.0km s-min=21.8km az=111.0

ISC/JB 06 05:00:46.1.0.6, 11:45:0.1:165:56E, h0.2, h24km, mb4.1/9, Error ellipse: s-maj=22.4km s-min=14.6km az=8.8

ISC 06 05:00:47.0.6, 11:35:0.1:165:56E, h0.2, h24km, n16, +0568/16, mb4.2/9, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Includes stations like DZM Mont Dzumac, URZ Urewera, STKA Stephens Creek, etc.

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CNRM 06 05:01:23.7.37:74N:3:00W, h30km, m3.1, MDD 06 05:01:24.6.0.1, 38:04N:3:28W, h1km, mBLq2.4/20, Error ellipse: s-maj=1.6km s-min=1.1km az=50.0, PRXIMO SFS 06 05:01:24.0.3:0.3, 28W, ML2.5, TORREPEROGIL (JAEV)

ISC 06 05:01:23.3.1.1, 38:07N:0:03:3.35W:0.02, h6km, n11km, n51, +0990/50, 1D, Spain

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Includes stations like EOES Quesada, EOES Quesada, GORA Gorafe, etc.

IDC 06 05:01:48.6.0.5, 11:49:5.0:165:27E, h0km, mb4.8/29, mb1 4.9/31, mb1mx4.9/42, mbtmp4.8/31, ML5.2/2, Error ellipse: s-maj=16.4km s-min=13.5km az=114.0

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NEIC 06 05:01:50.7.0.1, 11:42:5.0:165:13E, h10km, mb5.2/131, Error ellipse: s-maj=4.3km s-min=3.5km az=149.0, MOS 06 05:01:52.6.0.1, 11:48:5.0:165:08E, h33km, mb5.2/38, Error ellipse: s-maj=8.8km s-min=7.8km az=134.9, ISCB 06 05:01:53.1.0.1, 11:44:5.0:03:165:07E, h0.2, h34km, mb5.1/175, MS5.2/1, Error ellipse: s-maj=3.8km s-min=3.4km az=147.3

ISC 06 05:01:54.3.0.3, 11:46:5.0:06:165:19E, h0.06, h34km, n421, +1916/424, mb5.2/175, 12C-30, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, ISC. Includes stations like HNR Honiara, MARNC Mare, Loyalty, DZM Mont Dzumac, etc.

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Table with columns: STATION, Name, Frequency, Power, Mode, and other technical details. Includes stations like Sibiu, Nakatsue, Kuching, etc.

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Table with columns: STATION, Name, Frequency, Power, Mode, and other technical details. Includes stations like Gambell, Kodiak Island, Cit Chita, etc.

6d 5h

Table with columns: STATION, Name, Frequency, Power, Mode, and other technical details. Includes stations like Virginia City, Mount Baldy, Camp Elliot, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like SZCU, INK, KNB, U15A, DGZ, HLID, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like LPAZ, OBN, CPUP, SDV, AKASA, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like PCBR, PBDV, MESJ, etc.

ISCJB 06 05:02:10.6, 0.5, 38.11N, 0.03:3.44W, 0.03, h11km, Error ellipse: s-maj=4.9km s-min=2.7km az=23.2 SFS 06 05:02:10.0, 38.04N, 3.28W, ML2.6, TORREPEROGIL (JAEN)

MDD 06 05:02:10.7, 0.2, 38.05N, 3.28W, h1km, 2km, mblg2.5/20, Error ellipse: s-maj=1.6km s-min=1.1km az=47.0, PRXIMO MDD 06 05:02:10.4, 0.5, 38.04N, 3.36W, 0.03, h11km, n53, s=1900/45, 1C-1D, Spain

IDC 06 05:03:04.2, 1.2, 36.42N, 21.57E, h0km, mb3.6/7, mb1.3, 6.8, mb1mx3.4/53, mltmp3.5/8, ML2.7/1, Error ellipse: s-maj=24.6km s-min=23.9km az=38.71, ATH 06 05:03:08.4, 36.25N, 21.58E, h34km, 3km, ML3.2/15, Error ellipse: s-maj=8.8km s-min=1.4km az=47.0 THE 06 05:03:11.6, 36.38N, 21.71E, h18km, 2km, ML3.2/18, Error ellipse: s-maj=3.2km s-min=0.7km az=240.0

ISC 06 05:03:07.2, 1.2, 36.30N, 0.03:3.21E, 20.04, h19km, 3km, n55, s=1919/118, mb3.6/7, Southern Greece

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like MESJ, MESA, MESH, etc.





mb1 4.4/8, mb1mx4.1/43, mbtmp4.1/8, Error ellipse:  
 s-maj=43.2km s-min=26.7km az=144.0  
 ISCB JB 05:05:41.0.0.8, 11:73S, 0:1:165:1E, 0.2, h34km, mb4.1/7,  
 Error ellipse: s-maj=23.8km s-min=17.9km az=21.6  
 ISC 06:05:05:43.0.0.8, 11:66S, 0:1:165:1E, 0.2, h34km, n8,  
 #1118, mb4.1/7, Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
DZM	Mont Dzumac	10.46	173	Op Pn	05 08 10.5	-0.3
WRA	Warramunga Arr	30.66	251	P	05 11 54.1	-0.5
FITZ	Fitzroy Crossi	38.59	256	P	05 13 04.5	+1.4
ILAR	Eielson Array	84.28	19	P	05 18 10.9	0.0
NVAR	Mina Array Bea	86.51	50	P	05 18 25.5	+0.5
MKAR	Makanchi Array	93.50	317	P	05 18 54.7	-0.6
YKA	Yellowknife Arr	95.80	27	P	05 19 04.1	-1.4
TXAR	Lajitax Array	96.69	62	P	05 19 11.6	+1.1

IDC 06:05:07:27.5:28.0, 23:53S, 179:55W, h501km, 272km,  
 mb3.4/4, mb1 3.6/4, mb1mx3.1/37, mbtmp4.3/4, Error  
 ellipse: s-maj=246.5km s-min=107.9km az=39.0, South  
 of Fiji Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
CTA	Charters Tower	31.89	269	Op Pn	05 13 11.9	+0.6
ASAR	Alice Springs	42.50	240	P	05 14 38.1	-0.4
WRA	Warramunga Arr	42.84	266	P	05 14 40.5	-0.7
FITZ	Fitzroy Crossi	51.27	265	P	05 15 45.3	+0.5
TORD	Torodi Arr Bea	169.61	187	PKPab	05 27 54.3	-0.4

IDC 06:05:08:57.0:1.0, 10:99S, 164:57E, h0km, mb4.0/13,  
 mb1 4.2/16, mb1mx4.0/48, mbtmp4.1/16, ML4.4/3, Error  
 ellipse: s-maj=28.3km s-min=18.5km az=126.0  
 NEIC 06:05:09:44.0, 10:77S, 164:50E, h10km, mb4.3/7, Error  
 ellipse: s-maj=11.7km s-min=8.0km az=87.0  
 ISCB JB 06:05:09:00.0.0.4, 10:92S, 0:16:164:52E, 0.06, h29km,  
 mb4.1/17, Error ellipse: s-maj=9.6km s-min=7.5km  
 az=146.9

ISC 06:05:09:01.0:0.6, 10:88S, 0:09:164:57E, 0.08, h29km, n36,  
 #144/39, mb4.1/17, Santa Cruz Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
HNR	Honiara	4.77	287	Op Pn	05 10 09.9	-2.0
HNR	Honiara	7.77	287	ePn	05 10 13.4	+1.5
HNR	Honiara	7.77	287	eSn	05 11 07.3	+1.1
HNR	Honiara	4.77	287	Pn	05 10 09.9	-2.0
HNR	Honiara	32m, 0.3s, baz=157, slow=12, SNR=3.0		Sn	05 11 07.3	+1.1
DZM	Mont Dzumac	11.27	171	ePn	05 11 42.4	+1.2
DZM	Mont Dzumac	11.27	171	Pn	05 11 40.0	-1.2
ONTC	Ouen Toro	11.51	171	ePn	05 11 46.5	+2.2
OUENC	Ouen Island, N	11.68	170	ePn	05 11 48.8	+2.1
PINNC	Pines Island, N	11.99	167	ePn	05 11 52.6	+1.7
CTA	Charters Tower	19.86	240	Pn	05 13 30.6	-0.3
CTAO	Charters Tower	19.86	240	Pn	05 13 32.5	-0.2
COEN	Coen	21.11	259	eP	05 13 47.5	+3.0
STKA	Stevens Creek	29.78	222	eP	05 15 05.5	-0.7
STKA	Stevens Creek	29.78	222	P	05 15 05.5	-0.7
WRA	Warramunga Arr	30.45	249	P	05 15 12.0	-0.3
WRA	Warramunga Arr	30.45	249	P	05 15 12.0	-0.4
ASAR	Alice Springs	31.84	242	P	05 15 21.7	-2.9
FITZ	Fitzroy Crossi	38.30	255	eP	05 16 17.9	-2.3
FITZ	Fitzroy Crossi	38.30	255	P	05 16 17.9	-2.3
ASAJ	Asahikawa	52.83	242	P	05 18 55.5	+1.7
USRK	Ussuriysk Arr	62.29	334	P	05 19 22.5	+1.2
KUL	Kul'dur	66.45	337	P	05 19 49.4	+0.9
SEY	Seymchan	74.19	354	P	05 20 34.9	-0.6
SONA	Songino Array	77.85	324	P	05 20 57.6	+0.7
SONM	Songino Array	77.85	324	P	05 20 57.6	+0.7
HDA	Harding Lake	83.46	19	P	05 21 28.8	+2.3
ILAR	Eielson Array	83.73	19	eP	05 21 26.7	-1.1
ILAR	Eielson Array	83.73	19	P	05 21 27.3	-0.5
ILB	Eielson Array	83.73	19	eP	05 21 27.3	-0.5
NVAR	Mina Array Bea	86.51	50	P	05 21 43.1	-1.0
TCRU	Three Creeks R	91.29	51	eP	05 22 04.2	-1.1
MK32	Makanchi Array	92.61	317	eP	05 22 11.1	+0.2
MK32	Makanchi Array	92.61	317	P	05 22 11.1	+0.1
ZALV	Zalesovo Beam	92.75	324	P	05 22 11.1	-0.3
ZAA1	Zalesovo Array	92.75	324	P	05 22 11.1	-0.3
ARAO	ARCES Array S	93.88	345	PKP	05 27 40.5	-0.8
ARCS	ARCES Array B	115.88	345	PKP	05 27 40.5	-0.8
KEST	Keston	146.58	322	PKPbc	05 28 41.3	+0.1

IDC 06:05:10:20.0:0.8, 11:15S, 165:61E, h0km, mb4.2/13,  
 mb1 4.4/14, mb1mx4.1/48, mbtmp4.2/14, ML4.5/1, Error  
 ellipse: s-maj=28.1km s-min=19.8km az=127.0  
 NEIC 06:05:10:22.1:0.4, 11:20S, 165:55E, h10km, mb4.4/10, Error  
 ellipse: s-maj=10.6km s-min=7.5km az=85.0  
 ISCB JB 06:05:10:23.5:0.4, 11:34S, 0:16:165:53E, 0.08, h30km,  
 mb4.2/17, Error ellipse: s-maj=12.2km s-min=7.2km  
 az=157.5  
 ISC 06:05:10:25.0:0.6, 11:23S, 0:09:165:56E, 0.1, h30km, n45,  
 #150/45, mb4.3/18, Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
MARNC	Mare, Loyalty	10.46	167	ePn	05 12 53.1	+0.2
DZM	Mont Dzumac	10.81	176	Pn	05 12 57.6	-0.2
ONTC	Ouen Toro	11.04	176	ePn	05 13 01.4	+0.5
OUENC	Ouen Island, N	11.19	174	ePn	05 13 02.7	-0.2
CTA	Charters Tower	20.57	242	P	05 15 01.4	-0.2
CTAO	Charters Tower	20.57	242	P	05 15 58.9	-2.7
COEN	Coen	22.03	261	eP	05 15 18.0	+0.7
URZ	Urewera	28.82	161	P	05 16 21.3	+0.7
BKZ	Black Stump Fm	29.46	163	P	05 16 26.6	+0.3
BKZ	Black Stump Fm	29.46	163	P	05 16 26.4	+0.1
NMHZ	Naumai	29.61	162	P	05 16 27.5	+0.7
BHZZ	Black Hill Sta	29.64	161	P	05 16 28.5	+0.6
TSZ	Takapari Road	30.15	164	P	05 16 31.7	-0.7
KAH	Kahuranaki	30.16	163	P	05 16 33.0	+0.5
STKA	Stevens Creek	30.19	223	eP	05 16 33.0	+0.2
STKA	Stevens Creek	30.19	223	P	05 16 33.0	+0.2

PRHZ	Porangahau	30.53	163	P	05 16 38.4	+2.7
MRZ	Mangatoinoka R	30.61	165	P	05 16 38.8	+0.4
BFZ	Birch Farm	30.80	164	P	05 16 37.0	-1.1
HOWZ	Holdsworth Sta	31.82	165	P	05 16 38.0	-0.2
WR1	Warramunga Arr	30.27	250	eP	05 16 42.2	-0.3
WRA	Warramunga Arr	31.27	250	P	05 16 42.2	-0.3
AS31	Alice Springs	32.56	243	eP	05 16 53.1	-0.7
ASAR	Alice Springs	32.56	243	P	05 16 53.1	-0.7
FITZ	Fitzroy Crossi	39.17	255	P	05 17 49.6	-0.9
FITZ	Fitzroy Crossi	39.17	255	P	05 17 49.6	-0.9
CMAR	Chiang Mai Arr	72.04	294	P	05 21 48.5	+1.8
SONA	Songino Array	78.72	324	P	05 22 25.0	+0.3
SONM	Songino Array	78.72	324	P	05 22 25.0	+0.3
HDA	Harding Lake	83.47	19	eP	05 22 51.3	+1.9
ILAR	Eielson Array	83.74	19	eP	05 22 50.1	-0.7
ILB	Eielson Array	83.74	19	eP	05 22 50.1	-0.7
NVAR	Mina Array Bea	86.27	50	P	05 23 04.1	-0.2
MK01	Makanchi Array	93.54	317	eP	05 23 37.5	-0.6
MK31	Makanchi Array	93.55	317	eP	05 23 40.3	+2.2
MK32	Makanchi Array	93.55	317	eP	05 23 37.6	-0.6
MK32	Makanchi Array	93.55	317	eP	05 23 39.5	+1.3
MKAR	Makanchi Array	93.55	317	P	05 23 37.6	-0.6
ZALV	Zalesovo Beam	93.61	324	P	05 23 37.8	-0.5
ZAA1	Zalesovo Array	93.61	324	P	05 23 37.8	-0.5
YKA	Yellowknife Arr	95.21	27	P	05 23 40.3	-2.3
AKASG	Malin Array Be	126.93	327	PKP	05 29 26.0	+0.1
AKASG	Malin Array Be	126.93	327	PKP	05 29 26.0	+0.1
TORD	Torodi Arr Bea	164.13	279	PKP	05 30 27.5	+1.1
TOA1	Torodi Arr. Sit	164.14	279	ePKPdf	05 30 27.6	+1.1

ISC JB 06:05:10:38.3:0.7, 10:98S, 0:09:165:81E, 0:07, h10km,  
 mb4.4/10, Error ellipse: s-maj=13.6km s-min=9.2km  
 az=21.2  
 IDC 06:05:10:38.5:0.7, 10:91S, 165:84E, h0km, mb4.5/11,  
 mb1 4.7/13, mb1mx4.3/49, mbtmp4.6/13, ML5.0/2, Error  
 ellipse: s-maj=22.3km s-min=16.9km az=142.0  
 ISC 06:05:10:39.8:0.7, 11:02S, 0:09:165:98E, 0:09, h10km, n20,  
 #146/21, mb4.5/11, Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
HNR	Honiara	6.05	285	Op Pn	05 12 09.8	+0.4
HNR	Honiara	52m, 0.3s, baz=156, slow=7.1, SNR=4.0		Sn	05 13 17.8	-1.0
DZM	Mont Dzumac	11.00	177	Pn	05 13 19.1	+1.6
DZM	Mont Dzumac	6.3m, 0.3s, baz=82, slow=12, SNR=1.0		Sn	05 15 16.7	-4.1
CTA	Charters Tower	20.93	242	P	05 15 22.9	0.0
URZ	Urewera	28.93	162	P	05 16 40.4	+1.2
H1S2	WAKE ISLAND Hy	29.33	2	T	05 17 08.4	
H1S3	WAKE ISLAND Hy	29.34	2	T	05 17 08.8	
H1S1	WAKE ISLAND Hy	29.35	2	T	05 17 09.6	
STKA	Stevens Creek	30.55	224	P	05 16 54.9	+1.2
WRA	Warramunga Arr	31.12	250	P	05 17 03.0	-0.2
WRA	Warramunga Arr	19m, 0.8s, baz=80, slow=3.2, SNR=1.9		PcP	05 19 56.3	+0.6
RPZ	Rata Peaks	32.88	173	P	05 17 15.4	+1.4
ASAR	Alice Springs	32.92	243	P	05 17 14.2	-0.5
ASAR	Alice Springs	0.6m, 0.7s, baz=61, slow=3.8, SNR=3.0		PcP	05 20 00.4	+1.2
FITZ	Fitzroy Crossi	39.51	255	P	05 18 10.9	-0.2
ILAR	Eielson Array	83.45	18	P	05 23 07.6	+0.3
NVAR	Mina Array Bea	85.51	50	P	05 23 21.5	+0.9
PDAR	Pinedale Array	93.44	47	P	05 23 54.5	-1.6
YKA	Yellowknife Arr	94.89	27	P	05 24 00.1	-1.8
ARCS	ARCES Array B	116.34	346	PKP	05 29 23.2	0.0
CPUP	Villa Florida	123.95	132	PKP	05 29 39.4	0.0
ESDC	Soneka Array	150.07	344	PKPbc	05 30 32.8	+0.6
TORD	Torodi Arr Bea	164.39	279	PKP	05 30 42.9	-2.0

NEIC 06:05:13:46.8:0.1, 10:68S, 166:35E, h10km, mb5.2/106,  
 Error ellipse: s-maj=5.0km s-min=3.8km az=140.0  
 MOS 06:05:13:48.9:0.9, 10:72S, 166:26E, h35km, mb5.3/29, Error  
 ellipse: s-maj=9.2km s-min=8.9km az=112.4  
 ISCB JB 06:05:13:49.4:0.2, 10:72S, 0:04:166:28E, 0:03, h36km,  
 mb5.0/150, MS5.4/1, Error ellipse: s-maj=5.9km  
 s-min=4.3km az=156.6  
 IDC 06:05:13:53.3:0.2, 10:81S, 166:48E, h66km, 28km, mb4.4/32,  
 mb1 4.4/34, mb1mx4.4/50, mbtmp4.6/34, ML4.3/2, MS5.2/7,  
 MS1 5.2/7, ms1mx4.5/42, Error ellipse: s-maj=16.4km  
 s-min=13.1km az=91.0  
 ISC 06:05:13:50.6:0.3, 10:72S, 0:06:166:45E, 0:06, h36km, n316,  
 #123/311, mb5.1/150, 8C-7D, Santa Cruz Islands

Code	Station Name	
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Table with columns: Station, Location, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Lanzhou, Sparrow, Yakutsk, etc.

Table with columns: Station, Location, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Darwin (Calif), Manual Prospec, KNGR, etc.

Table with columns: Station, Location, Time, Azimuth, Elevation, Frequency, and other parameters. Includes stations like DGZ, TCUT, P17A, etc.

ISCJB 06:05:16.24; 0.2, 10.69S; 0.04; 166.47E; 0.03, h10km, mB5.0/4.1, Error ellipse: s-maj=6.6km s-min=4.3km ... BUJ 06:05:16.24; 9.1, 10.14S; 166.84E, h6km, mB5.6/16, mb4.9/33, Ms5.3/S, Mst 5.7 ... NEIC 06:05:16.25; 4.0, 7.1, 10.69S; 166.52E, h11km, 4km, mB5.3/106, Error ellipse: s-maj=6.3km s-min=3.8km az=157.0 ... MOS 06:05:16.26; 4.1, 1.1, 10.80S; 166.48E, h31km, mB5.3/24, Error ellipse: s-maj=9.8km s-min=9.4km az=146.5 ... IDC 06:05:16.30; 7.3, 5.1, 10.94S; 166.69E, h62km, 32km, mb4.2/29, mb1.4/3/1, mb1mx4.3/50, mbtm4.5/31, ML3.3/2, Error ellipse: s-maj=19.1km s-min=16.1km az=127.0



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Jordanelle, McKenzie Canyon, Toone Canyon, etc.

IDC 06 05:17:44.6:0.9, 11:41Sx165:23E, h0km, mb4.3/10, mb1 4.5/23, mb1mx4.1/49, mbtmp4.3/12, ML4.2/2, Error ellipse: s-maj=34.8km s-min=20.8km az=142.0

ISC/JB 06 05:17:47.9:0.7, 11:65S:0.1x165:2E:0.1, h34km, mb4.2/10, Error ellipse: s-maj=15.9km s-min=14.6km az=42.4

ISC 06 05:17:49.6:0.7, 11:55S:0.1x165:2E:0.1, h34km, m14, 08/11/14, mb4.3/10, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Honiara, Mont Dzumac, Ouen Toro, etc.

IDC 06 05:18:16.4:0.5, 11:18Sx165:73E, h0km, mb4.4/21, mb1 4.5/23, mb1mx4.4/47, mbtmp4.4/23, ML4.8/2, Error ellipse: s-maj=14.3km s-min=14.3km az=96.0

NEIC 06 05:18:17.9:0.2, 11:18S:165:72E, h0km, mb4.8/13, Error ellipse: s-maj=6.3km s-min=5.1km az=103.0

ISC/JB 06 05:18:19.1:0.3, 11:24S:0.0x165:65E:0.05, h30km, mb4.5/30, Error ellipse: s-maj=7.7km s-min=6.0km az=163.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Honiara, Mont Dzumac, Ouen Toro, etc.

IDC 06 05:23:17.7:1.0, 10:96Sx165:22E, h0km, mb4.0/14, mb1 4.2/16, mb1mx4.1/40, mbtmp4.1/16, ML4.3/2, Error ellipse: s-maj=28.2km s-min=18.0km az=126.0

NEIC 06 05:23:19.5:0.4, 10:95S:165:20E, h10km, mb4.3/5, Error ellipse: s-maj=9.2km s-min=7.1km az=93.0

ISC/JB 06 05:23:20.5:0.5, 11:05S:0.0x165:17E:0.07, h31km, mb4.0/17, Error ellipse: s-maj=9.9km s-min=6.3km az=15.0

ISC 06 05:23:22.5:0.7, 10:98S:0.0x165:22E:0.09, h31km, n33, 08/13/21, mb4.0/17, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Honiara, Mont Dzumac, Ouen Toro, etc.

IDC 06 05:23:17.7:1.0, 10:96Sx165:22E, h0km, mb4.0/14, mb1 4.2/16, mb1mx4.1/40, mbtmp4.1/16, ML4.3/2, Error ellipse: s-maj=28.2km s-min=18.0km az=126.0

NEIC 06 05:23:19.5:0.4, 10:95S:165:20E, h10km, mb4.3/5, Error ellipse: s-maj=9.2km s-min=7.1km az=93.0

ISC/JB 06 05:23:20.5:0.5, 11:05S:0.0x165:17E:0.07, h31km, mb4.0/17, Error ellipse: s-maj=9.9km s-min=6.3km az=15.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Mont Dzumac, Ouen Toro, Manu Island, etc.

IDC 06 05:24:27.9:0.4, 11:50Sx165:46E, h0km, mb4.7/27, mb1 4.8/29, mb1mx4.8/40, mbtmp4.7/29, ML4.7/2, Error ellipse: s-maj=15.4km s-min=13.4km az=96.0

NEIC 06 05:24:29.6:0.1, 11:47Sx165:35E, h10km, mb5.1/102, Error ellipse: s-maj=4.3km s-min=3.5km az=144.0

ISC/JB 06 05:24:30.2:0.2, 11:56S:0.0x165:30E:0.03, h24km, mb5.0/136, Error ellipse: s-maj=5.0km s-min=4.3km az=169.7

ISC 06 05:24:31.8:0.3, 11:56S:0.0x165:41E:0.06, h24km, n284, 1/107/287, mb5.1/136, 2C, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Honiara, Mont Dzumac, Ouen Toro, etc.

IDC 06 05:23:17.7:1.0, 10:96Sx165:22E, h0km, mb4.0/14, mb1 4.2/16, mb1mx4.1/40, mbtmp4.1/16, ML4.3/2, Error ellipse: s-maj=28.2km s-min=18.0km az=126.0

NEIC 06 05:23:19.5:0.4, 10:95S:165:20E, h10km, mb4.3/5, Error ellipse: s-maj=9.2km s-min=7.1km az=93.0

ISC/JB 06 05:23:20.5:0.5, 11:05S:0.0x165:17E:0.07, h31km, mb4.0/17, Error ellipse: s-maj=9.9km s-min=6.3km az=15.0

6d 5h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like SKNT, NONG, GYA, PBKT, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like I04A, J04D, BEKR, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like TUC, MTPU, DUG, etc.

IDC 06:05:27:20:7:1, 1:16:1S:166:08E, h0km, mb4.0/9, mb1.4/3/11, mb1mx4.0/39, mbtmp4.1/11, ML4.3/2, Error ellipse: s-maj=36.9km s-min=21.7km az=142.0

ISCJB 06 05:27:21.2-0.6, 11.61'S:0'08.165'E:0.10, h10km, mb4.0/10, Error ellipse: s-maj=13.5km s-min=11.8km az=12.7

NEIC 06 05:27:22.6-0.5, 11.50'S:166.01'E, h10km, mb4.3/3, Error ellipse: s-maj=12.5km s-min=10.5km az=18.0

ISC 06 05:27:21.8-0.7, 11.7'S:0'166.0E:0.1, h10km, n26, e189/22, mb4.1/10, Santa Cruz Islands

IDC 06 05:29:11.2-1.9, 11.97'S:165.78'E, h0km, mb4.4/8, mb1.4/7.8, mb1mx4.2/36, mbtmp4.4/8, Error ellipse: s-maj=74.2km s-min=27.1km az=148.0

ISCJB 06 05:29:10.4-1.7, 12.1'S:0'4.165'E:0.3, h30km, mb4.3/7, Error ellipse: s-maj=62.1km s-min=20.5km az=144.2

ISC 06 05:29:15.7-1.7, 12.1'S:0'4.165'E:0.3, h30km, n10, e082/10, mb4.4/7, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include HNR Honiara, DZM Mont Dzumac, ONTNC Ouen Toro, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include CTA Charters Tower, WTA Warramunga Arr, CMAR Chiang Mai Arr, etc.

NEIC 06 05:30:18.7-0.2, 10.75'S:164.40'E, h10km, mb5.1/59, Error ellipse: s-maj=6.0km s-min=5.0km az=111.0

MOS 06 05:30:18.7-2.2, 10.70'S:164.40'E, h33km, mb5.2/25, Error ellipse: s-maj=9.6km s-min=8.5km az=118.2

ISCJB 06 05:30:20.5-0.2, 10.75'S:0'04.164'E:0.04, h29km, mb4.9/9.1, MS4.8/2, Error ellipse: s-maj=6.0km s-min=4.4km az=87.0

IDC 06 05:30:23.2-2.9, 10.80'S:164.41'E, h45km, mb5.2/26km, mb4.4/25, mb1.4/8.28, mb1mx4.5/40, mbtmp4.7/28, ML4.9/3, MS4.9/1, Ms1.4/9.1, ms1mx3.8/44, Error ellipse: s-maj=17.5km s-min=13.0km az=85.0

ISC 06 05:30:21.5-0.3, 10.77'S:0'06.164'E:0.06, h29km, n227, e126/230, mb5.0/26, C-8D, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include HNR Honiara, MARNC Mare, Loyalty, DZM Mont Dzumac, etc.

Table with columns: MAJO Matsushiro, MAT Matsushiro, JUNU Nakatsue, ASAJ Asahikawa, KSRK Kora Array, etc. Rows include MAJO Matsushiro, MAT Matsushiro, JUNU Nakatsue, ASAJ Asahikawa, KSRK Kora Array, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, Res, ISC. Rows include stations like ZALV Zalesovo Beam, ZAAV Zalesovo Beam, ZAL1 Zalesovo Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, Res, ISC. Rows include stations like HNR Honiara, DZM Mont Dzumac, CTA Charters Tower, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC, h m s, Res, ISC. Rows include stations like HNR Honiara, EIDS Eidsvold, CTA Charters Tower, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, and other technical details. Includes stations like KEST, ESDC, TORO, etc.

IDC 06:05:35.30.4.0.5, 10.72S; 165.33E, h0km, mb4.6/27, mb1.4/729, mb1mx4.740, mb1mp4.6/29, ML5.2, Error ellipse: s-maj=16.8km s-min=13.0km az=113.0

NEIC 06:05:35.32.2.0.1, 10.74S; 165.27E, h10km, mb5.0/83, Error ellipse: s-maj=4.0km s-min=3.4km az=123.0

MOS 06:05:35.32.2.2.3, 10.70S; 165.30E, h33km, mb5.2/29, Error ellipse: s-maj=8.8km s-min=8.4km az=91.6

ISCJB 06:05:35.33.6.0.1, 10.83S; 0.03:165.22E:0.03, h30km, mb4.9/121, Error ellipse: s-maj=4.7km s-min=4.2km az=175.0

ISC 06:05:35.35.3.0.3, 10.79S; 0.05:165.36E:0.06, h30km, n295, e0590/298, mb5.0/121, 6C-9D, Santa Cruz Islands

Main table for the left column containing station call signs, names, frequencies, and various technical parameters.

Main table for the middle column containing station call signs, names, frequencies, and various technical parameters.

Main table for the right column containing station call signs, names, frequencies, and various technical parameters.

6d 5h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like Hualapai Mount, Blue Mountains, BMO, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like Albuquerque, ANMO, ARAO, etc.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like KEST, ESCD, TORD, etc.

IDD 06 05:36:37.1±0.7, 10.97S:165.59E, h0km, mb4.6/12, mb1 4.8/14, mb1mx4.5/40, mbtmp4.6/14, ML4.8/2, Error ellipse: s-maj=28.8km s-min=17.0km az=141.0

NEIC 06 05:36:34.5±0.3, 10.98S:165.66E, h10km, mb4.8/6, Error ellipse: s-maj=8.8km s-min=7.3km az=109.0

ISCJB 06 05:36:35.7±0.5, 11.17S:0.06:165.64E:0.0, h30km, mb4.7/17, Error ellipse: s-maj=11.9km s-min=9.1km az=0.5

ISC 06 05:36:37.3±0.7, 11.04S:10.165:165E:0.1, h30km, n44, ±12/246, mb4.7/17, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like HNR, MARC, DZM, etc.

MEX 06 05:36:37.7±0.5, 16.22N:98.08W, h2km, MD3.5, Near coast of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like PNIG, VHO.

IDD 06 05:38:38.9±1.2, 10.72S:164.70E, h0km, mb4.3/11, mb1 4.4/13, mb1mx4.2/40, mbtmp4.3/13, ML4.2/2, Error ellipse: s-maj=34.1km s-min=21.5km az=127.0

NEIC 06 05:38:40.5±0.4, 10.68S:164.68E, h10km, mb4.5/7, Error ellipse: s-maj=9.7km s-min=6.3km az=76.0

ISCJB 06 05:38:41.9±0.5, 10.84S:166.65E:0.09, h31km, n34, mb4.2/13, Error ellipse: s-maj=13.0km s-min=8.3km az=163.4

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like HNR, MARC, DZM, etc.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like WR1, WRA, ASAR, etc.

IDD 06 05:40:40.5±0.5, 10.96S:165.48E, h0km, mb4.4/18, mb1 4.7/20, mb1mx4.5/39, mbtmp4.5/20, ML5.0/2, Error ellipse: s-maj=16.6km s-min=14.7km az=113.0

NEIC 06 05:40:42.4±0.1, 10.95S:165.43E, h10km, mb4.8/35, Error ellipse: s-maj=4.7km s-min=3.5km az=109.0

ISCJB 06 05:40:43.7±0.2, 11.08S:0.03:165.38E:0.04, h30km, mb4.6/50, Error ellipse: s-maj=5.9km s-min=4.7km az=169.5

ISC 06 05:40:45.0±0.4, 11.02S:0.06:165.51E:0.07, h30km, n101, ±0.98/111, mb4.8/50, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other parameters. Includes stations like HNR, MARC, DZM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MDPB Devils Postpil, DAWY Dawson, NV01 Mina Array Sit, etc.

IDC 06 05:44:30.6:1.5, 11:44S:165:19E, h0km, mb4.0/4, mb1 4.2/5, mb1mx3.8/36, mbtmp3.0/5, ML3.0/1, Error ellipse: s-maj=51.5km s-min=28.3km az=131.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 06 05:46:17.6:1.9, 10:78S:167:06E, h0km, mb3.6/4, mb1 3.9/5, mb1mx3.6/37, mbtmp3.7/5, ML3.8/1, Error ellipse: s-maj=55.5km s-min=32.4km az=129.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 06 05:48:14.4:0.5, 10:89S:165:74E, h0km, mb4.4/28, mb1 4.5/29, mb1mx4.5/41, mbtmp4.4/29, ML5.3/1, Error ellipse: s-maj=16.9km s-min=13.0km az=115.0

NEIC 06 05:48:16.3:0.1, 10:80S:165:62E, h10km, mb4.8/48, Error ellipse: s-maj=4.9km s-min=4.0km az=117.0

ISC/JB 06 05:48:17.6:0.2, 10:88S:0:04:165:58E:0.04, h30km, mb4.6/71, MS4.7/1, Error ellipse: s-maj=6.0km

ISC 06 05:48:19.4:0.3, 10:38S:0:05:165:63E:0.07, h30km, n137, s109/140, mb4.7/1, ID, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, MARC Mare, DZM Mont Dzumac, etc.

ISC/JB 06 05:41:59.2:0.6, 11:02S:0:07:165:9E:0.1, h10km, mb4.3/13, Error ellipse: s-maj=14.9km s-min=9.5km az=167.2

IDC 06 05:41:59.2:0.9, 10:95S:165:95E, h0km, mb4.2/11, mb1 4.4/12, mb1mx4.2/37, mbtmp4.2/12, ML3.7/1, Error ellipse: s-maj=31.2km s-min=20.8km az=132.0

NEIC 06 05:42:00.7:0.4, 10:91S:165:92E, h10km, mb4.0/2, Error ellipse: s-maj=6.9km s-min=6.8km az=80.0

ISC 06 05:42:00.8:0.7, 10:92S:0:10:165:9E:0.1, h10km, n29, s069/25, mb4.4/14, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MARC Mare, DZM Mont Dzumac, ONTNC Ouen Toro, etc.

ISC/JB 06 05:42:38.6:1.4, 10:6S:0:4:165:2E:0.3, h10km, mb3.9/6, Error ellipse: s-maj=7.4km s-min=18.6km az=143.5

IDC 06 05:42:38.5:1.9, 10:59S:165:24E, h0km, mb4.0/7, mb1 4.2/7, mb1mx4.0/35, mbtmp3.9/7, Error ellipse: s-maj=106.9km s-min=25.6km az=143.0

ISC 06 05:42:39.7:1.6, 10:7S:0:05:165:2E:0.4, h10km, n7, s1928/6, mb3.9/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CTA Charters Tower, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 06 05:48:17.6:0.2, 10:88S:0:04:165:58E:0.04, h30km, mb4.6/71, MS4.7/1, Error ellipse: s-maj=6.0km

ISC 06 05:48:19.4:0.3, 10:38S:0:05:165:63E:0.07, h30km, n137, s109/140, mb4.7/1, ID, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, MARC Mare, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ULN Ulanbaatar, SONAO Songo Array, SONAI Songo Array, etc.

Table with columns: HNR, Station Name, Frequency, Power, and other technical details. Includes stations like Honiara, MARE, DZM, etc.

Table with columns: MDJ, Station Name, Frequency, Power, and other technical details. Includes stations like MUDANJIANG, DALIAN, PETK, etc.

Table with columns: KSH, Station Name, Frequency, Power, and other technical details. Includes stations like BOROVAYA, ARAO, FIAO, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Honiara, Mont Dzumac, Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Mont Dzumac, Charters Tower, STKA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR, ASAR, OXZ, etc.

IDC 06:05:54:16.7:1.6, 10.773S:165.81E, h0km, mb4.0/5, mb1.4/2.6, mb1mx4.0/5.0, mbtm4.1/6, ML4.4/1, Error ellipse: s-maj=34.9km s-min=33.9km az=65.0, Santa Cruz Islands

IDC 06:05:57:51.9:2.8, 11.355S:165.07E, h0km, mb4.2/4, mb1.4/4.5, mb1mx3.9/5.0, mbtm4.2/5, Error ellipse: s-maj=57.9km s-min=37.1km az=92.0, Santa Cruz Islands

IDC 06:05:58:39.2:0.5, 10.783S:165.28E, h0km, mb4.6/30, mb1.4/3.2, mb1mx4.7/5.0, mbtm4.7/32, ML5.2/2, Error ellipse: s-maj=15.2km s-min=11.9km az=104.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Mont Dzumac, Urewera, Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Mont Dzumac, Warramunga Arr, ASAR, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR, ASAR, OXZ, etc.

IDC 06:05:56:16.6:0.8, 11.733S:165.61E, h0km, mb4.1/14, mb1.4/3.15, mb1mx4.1/4.9, mbtm4.1/15, ML4.3/1, Error ellipse: s-maj=26.6km s-min=18.1km az=115.0

IDC 06:05:58:42.4:0.1, 10.905S:165.22E, h0km, mb4.0/91, mb4.8/12.7, Error ellipse: s-maj=4.2km s-min=3.5km

IDC 06:05:58:43.9:0.3, 10.833S:165.29E, h0km, n250, n141/258, mb4.9/127, 1C-1D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Honiara, Mare, Loyalty, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Honiara, Mare, Loyalty, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR, ASAR, OXZ, etc.

IDC 06:05:56:16.2:0.3, 11.717S:165.60E, h10km, mb4.3/6, Error ellipse: s-maj=9.3km s-min=6.3km az=84.0

IDC 06:05:56:18.5:0.6, 11.765S:165.6E, h2km, n46, n059/42, mb4.1/18, Error ellipse: s-maj=12.6km s-min=7.0km az=165.0

IDC 06:05:56:18.5:0.6, 11.765S:165.6E, h2km, n46, n059/42, mb4.1/18, Error ellipse: s-maj=12.6km s-min=7.0km az=165.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Honiara, Mare, Loyalty, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Honiara, Mare, Loyalty, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Honiara, Mare, Loyalty, etc.

IDC 06:05:56:45.8:1.0, 11.075S:165.54E, h0km, mb4.1/8, mb1.4/4.9, mb1mx4.0/5.0, mbtm4.1/9, ML4.6/1, Error ellipse: s-maj=49.8km s-min=20.0km az=136.0

IDC 06:05:56:48.6:0.7, 11.3S:0.1x165.5E:0.2, h30km, mb4.0/7, Error ellipse: s-maj=24.5km s-min=14.6km az=36.2

IDC 06:05:56:48.6:0.7, 11.3S:0.1x165.5E:0.2, h30km, mb4.0/7, Error ellipse: s-maj=24.5km s-min=14.6km az=36.2



Table with columns: STA, comp, LR, LR, and various station identifiers like BRLL, BILBO, QSPA, BRDH, SUA, CAST, DIV, TRF, KLU, RND, RDOG, IM3, MLY, WRH, MDM, HDA, HDA, RIDG, ILAR, ILB, POKR, N02D, M02C, SCRK, YBH, ORV, O03E, HYT, AFDM, CMB, BEKR, WAKR, MDPB, EDWZ, OMMB, DAWW, BFSC, J05D, MURC, TIXI, TIXI, PAHR, MOD, CWC, MONP, NV01, NVAR, PFO, TPFO, NV11, KVN, SWSC, HEC, BELC, WVOR, GMR, IRMC, J08A, G08A, Y12C, Y12C, E08A, SHPR, PDMCI, WMQ, WMQ, 214A, ELK, PSUT, LCMT, CCUT, SZCU, KNB, U15A, HLID, HLID, X16A, TUC, TCRU, MTPU, DUG.

Table with columns: BGU, WUAZ, MSU, HVU, Q16A, JLU, DLMT, LRM, FXWY, HRY, IMW, MK01, MK31, MK32, MKAR, MKAR, YMR, ZAAO, ZALV, ZALV, ZAA1, MAKZ, PV23, PD31, PDAR, PDAR, YKA, YKBS, LTX, TXAR, KURK, KURB, KSH, KSH, BVAR, ARAO, ARCES, ARCES, FIAO, FINES, CPUP, BOSA, NB2, NB2, NB2, NB2, AKASG, BR101, BRTR, CLL, GERES, BDFB, KEsra, ES19, ESCD, TORD, TORD, TOA1, TOA1, IDC 06 06:01:55.9-4.4, 11.445Sx164.83E, h0km, mb3.9/4, mb1 4.1/4, mb1mx3.7/4, mbtmp3.9/4, Error ellipse: s-maj=185.1km s-min=35.7km az=136.0, Santa Cruz Islands region, Code, Station Name, Az, AZ, Phase ID, Time, Res, WRA, Warramunga Arr, 30.50 250 P, ASAR, Alice Springs, 31.81 243 P, ILAR, Eielson Array, 84.18 19 P, MKAR, Makanchi Array, 93.21 317 P, IDC 06 06:02:21.5-3.8, 11.175Sx165.47E, h0km, mb4.1/4, mb1 4.3/4, mb1mx3.8/4, mbtmp4.0/4, Error ellipse: s-maj=163.1km s-min=33.8km az=137.0, Santa Cruz Islands, Code, Station Name, Az, AZ, Phase ID, Time, Res, WRA, Warramunga Arr, 31.19 250 P, WRA, Warramunga Arr, 31.19 250 P, ASAR, Alice Springs, 32.49 243 P, ASAR, Alice Springs, 32.79 243 P, MKAR, Makanchi Array, 93.43 317 P, IDC 06 06:02:34.8-0.4, 10.755Sx164.56E, h0km, mb4.9/34, mb1 5.0/37, mb1mx4.9/44, mbtmp4.9/37, MLS 3/3, MSS 1/1, mb1 5.0/37, mb1mx4.9/44, mbtmp4.9/37, Error ellipse: s-maj=14.5km s-min=1.1km az=107.0, NEIC 06 06:02:36.4-0.1, 10.775Sx164.58E, h10km, mb5.2/14, Error ellipse: s-maj=4.3km s-min=3.8km az=111.0, ISCJB 06 06:02:37.7-0.1, 10.805Sx164.54E, h29km, mb5.1/151, MSS 1/2, Error ellipse: s-maj=4.2km s-min=3.6km az=137.0, MOS 06 06:02:38.5-1.1, 10.765Sx164.50E, h32km, mb5.4/45, Error ellipse: s-maj=8.6km s-min=7.3km az=114.2, ISC 06 06:02:39.2-0.3, 10.785Sx164.55E, h29km, mb61, s=1931/369, mb5.2/159, SC-15D, Santa Cruz Islands region, Code, Station Name, Az, AZ, Phase ID, Time, Res, HNR, Honiara, 4.82 286 eP, HNR, Honiara, 4.82 286 eP, HNR, Honiara, 4.82 286 eP, HNR, Honiara, 4.82 286 eP, MARC, Mare, Loyalty, 11.13 163 eP, DZM, Mont Dzumac, 11.36 172 eP.

Table with columns: DZM, DZM, DZM, DZM, ONTC, PINO, RABL, RABL, TARA, TARA, MSVF, Nonsavu, MSVF, PATS, PATS, MANU, Manus Island, EIDS, Eidsvold, EIDS, Eidsvold, KWAJ, Kwajalein Atol, KWAJ, Kwajalein Atol, CTA, Charters Tower, CTAO, Charters Tower, CTAO, Charters Tower, MTSU, Mount Surobi, COEN, Coen, COEN, Coen, LHI, Lord Howe Island, RMQ, Roma, ARMA, Armadale, ARMA, Armadale, RAO, Raoul Island, QLP, Quilpie, MGCD, Mangrove Creek, OUZ, Omahuta, QIS, Mount Isa, QMS, Cobar Meteorol, YNG, Young, H1S2, WAKE ISLAND Hy 29.15, H1S3, WAKE ISLAND Hy 29.15, H1S1, WAKE ISLAND Hy 29.17, URZ, Urewera, URZ, Urewera, STKA, Stephens Creek, STKA, Stephens Creek, STKA, Stephens Creek, H1N1, WAKE ISLAND Hy 30.36, H1N3, WAKE ISLAND Hy 30.38, H1N2, WAKE ISLAND Hy 30.39, WRAB, Tennant Creek, WRAB, Tennant Creek, WRB, Warramunga Arr, WR1, Warramunga Arr, WRA, Warramunga Arr, WRA, Warramunga Arr, KDU, Kakadu, TOO, Toolangi, AS01, Alice Springs, AS31, Alice Springs, ASAR, Alice Springs, ASAR, Alice Springs, HTT, Hallett, OXZ, Oxted, ARPS, Mount Arapiles, RPZ, Rata Peaks, RPZ, Rata Peaks, BBOO, Buckleford, KNRA, Kununurra, WRKA, Warakurna, FITZ, Fitzroy Crossi, FITZ, Fitzroy Crossi, FITZ, Fitzroy Crossi, FOR, Forrest, BATI, Baunata, PPT2, Papeete2, PPT2, Papeete2, PPT2, Papeete2, TBI, Tubuai, TBI, Tubuai, TBI, Tubuai, MEEK, Meekatharra, TSM, Tawau, SDKM, Sandakan, KDM, Kota Kinabalu, KKM, Kota Kinabalu, INU, Inuyama, BJR, Bintulu, MJAR, Matushiro Arr, MAJO, Matushiro, MAJO, Matushiro, MAJO, Matushiro.







6d 6h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like SHPR, R11A, PDMCI, BMO, etc.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like TXAR, SNA, VNA3, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like BILL, HDA, ILAR, etc.

ICD 06:06:12:23.9:0.7, 11.415:165.50E, h0km, mb4.6/14, mb1 4.7/16, mb1mx4.5/44, mbtmp4.5/16, ML4.6/2, Error ellipse: s-maj=23.2km s-min=18.5km az=115.0

NEIC 06:06:12:25.6:0.2, 11.445:165.41E, h10km, mb4.9/50, Error ellipse: s-maj=7.1km s-min=5.0km az=150.0

ISCJB 06:06:12:26.1:0.3, 11.505:0:06:165.32E:0.05, h24km, HUMB, mb4.8/58, Error ellipse: s-maj=9.5km s-min=6.9km az=147.0

ISC 06:06:12:27.6:0.5, 11.333:0:08:165.44E:0.09, h24km, n89, -0:85/87, mb4.8/58, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR, DZM, EIDS, etc.

ICD 06:06:14:23.8:1.1, 11.065:164.81E, h0km, mb4.4/11, mb1 4.5/13, mb1mx4.2/42, mbtmp4.4/13, ML4.1/2, Error ellipse: s-maj=32.1km s-min=19.2km az=105.0

NEIC 06:06:14:25.4:0.4, 11.055:164.81E, h10km, mb4.7/10, Error ellipse: s-maj=9.2km s-min=5.8km az=83.0

ISCJB 06:06:14:26.4:0.6, 11.125:0:06:164.8E:0.1, h31km, mb4.4/16, Error ellipse: s-maj=15.4km s-min=9.0km az=172.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM, BKZ, STKA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAJ, KSRS, KSAR, USRK, SONAO, SONM, QSPA, ILAR, MK32, MKAR.

IDC 06 06:15:37.7.3.3, 12.23Sx166.00E, h0km, mb3.9/5, mb1 4.0/5, mb1mx3.7/41, mbtmp3.8/5, Error ellipse: s-maj=156.4km s-min=31.2km az=141.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, ILAR, MKAR, YKA.

IDC 06 06:20:30.7.2.5, 11.39Sx165.85E, h0km, mb4.0/6, mb1 4.2/6, mb1mx3.9/39, mbtmp3.9/6, Error ellipse: s-maj=117.5km s-min=25.6km az=140.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, ILAR, INK, YKA, ARCES.

ISCJB 06 06:20:57.1.6, 11.4S:0.4:165.8E:0.3, h10km, mb4.4/16, Error ellipse: s-maj=60.0km s-min=16.2km az=146.5, IDC 06 06:20:57.1.2.1, 11.37S:165.91E, h0km, mb4.3/8, mb1 4.4/8, mb1mx4.0/39, mbtmp4.2/8, Error ellipse: s-maj=64.9km s-min=29.8km az=150.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, CMAR, SONAO, SONM, BILL, CAST, WRH, MDM, HDA, COLA, ILAR, ILB, SCRK, TIXI, DLBC, MK32, MKAR, YKA, ARAO, ARCES, ESDC.

IDC 06 06:21:31.8.1.5, 11.65Sx165.16E, h0km, mb4.0/8, mb1 4.3/8, mb1mx3.9/39, mbtmp3.9/8, Error ellipse: s-maj=69.6km s-min=24.6km az=148.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, SONM, ILAR, NVAR, MKAR, YKA, ARAO, ARCES, ESDC.

IDC 06 06:21:36.9.1.4, 11.7S:0.4:165.2E:0.3, h34km, mb3.9/8, Error ellipse: s-maj=57.8km s-min=19.8km az=149.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, SONM, ILAR, NVAR, MKAR, YKA, TXAR.

IDC 06 06:23:12.2.3.5, 11.26Sx165.33E, h0km, mb3.7/3, mb1 4.1/3, mb1mx3.6/39, mbtmp3.7/3, Error ellipse: s-maj=181.8km s-min=37.7km az=143.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, ILAR, YKA, TXAR.

ISCJB 06 06:24:46.2.0.1, 11.6S:0.1:164.8E:0.2, h10km, mb3.9/6, Error ellipse: s-maj=27.8km s-min=18.8km az=0.1, IDC 06 06:24:46.9.1.2, 11.39S:164.70E, h0km, mb4.0/6,

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM, WRA, ASAR, SONM, ILAR, NVAR, MKAR.

SOME 06 06:26:17.3.42, 60N:79.62E, h5km, KRNET 06 06:26:18.6.0.1, 42.68N:79.58E, h16km, mb2.6, NNC 06 06:26:19.6.1.1, 42.74N:79.62E, h0km, mb2.7, mpv2.3, Error ellipse: s-maj=6.7km s-min=4.2km az=142.0

ISC 06 06:26:18.7.2.1, 42.68N:0.06:79.60E, h6km, mb12km, n14, c073/25, 6C-4D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like UZB, PDGK, PRZ, SATY, KDJ, ARXS, ARKS, ARXS, KTBS, KAPS, BOOM, BOOM, KTM2.

IDC 06 06:27:12.1.1.8, 10.58Sx164.36E, h0km, mb3.9/8, mb1 4.1/9, mb1mx3.9/39, mbtmp3.9/9, ML4.8/1, Error ellipse: s-maj=51.1km s-min=23.0km az=122.0

ISCJB 06 06:27:14.7.1.2, 10.5S:0.2:164.2E:0.2, h24km, mb3.8/8, Error ellipse: s-maj=28.2km s-min=18.1km az=37.0

ISC 06 06:27:16.6.1.4, 10.5S:0.2:164.2E:0.2, h24km, n15, c112/9, mb4.0/8, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR, H11S2, H11S3, H11S1, STKA, H11N1, H11N3, H11N2, WRA, ASAR, MJAR, KLR, SONM, ILAR, MKAR.

IDC 06 06:28:17.1.3.9, 11.83Sx165.60E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.5/39, mbtmp3.6/4, Error ellipse: s-maj=157.2km s-min=36.4km az=137.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, ILAR, MKAR.

IDC 06 06:29:39.4.5.0, 11.77Sx165.10E, h0km, mb3.4/3, mb1 3.7/3, mb1mx3.4/39, mbtmp3.4/3, Error ellipse: s-maj=250.2km s-min=37.9km az=139.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, ILAR.

IDC 06 06:31:07.0.1.8, 10.76Sx165.21E, h0km, mb3.6/4, mb1 3.9/5, mb1mx3.6/44, mbtmp3.7/5, ML3.7/1, Error

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM, WRA, ASAR, ILAR, MKAR.

IDC 06 06:32:23.4.0.9, 11.31S:165.36E, h0km, mb4.1/10, mb1 4.3/11, mb1mx4.0/49, mbtmp4.1/11, ML3.9/1, Error ellipse: s-maj=37.3km s-min=19.0km az=136.0

ISCJB 06 06:32:5.0.5.0, 11.42S:0.07:165.31E:0.9, h24km, mb4.0/11, Error ellipse: s-maj=13.7km s-min=9.8km az=23.6

NEIC 06 06:32:5.0.3.1, 11.31S:165.33E, h10km, mb4.3/4, Error ellipse: s-maj=9.7km s-min=7.2km az=114.0

ISC 06 06:32:27.2.0.7, 11.3S:0.1:165.3E:0.1, h24km, n23, c076/22, mb4.2/11, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM, PINNC, MANU, KWAJ, CTA, STKA, WB2, WR1, WRA, ASAR, SONAO, SONM, ILAR, ILB, NVAR, NV01, MK32, MKAR, YKA, YKBS, LTX, TXAR.

IDC 06 06:35:17.2.0.4, 10.77Sx164.63E, h0km, mb5.5/41, mb1 5.5/44, mb1mx5.4/49, mbtmp5.4/44, ML5.3/3, MS5.8/17, MS1 5.8/17, ms1mx5.7/22, Error ellipse: s-maj=13.3km s-min=10.7km az=93.0

BJJ 06 06:35:18.0.10.71S:164.52E, h6km, mb6.0/73, mb5.7/63, MS6.1/90, MS7.5/95

NEIC 06 06:35:19.2.0.1, 10.79Sx164.55E, h10km, mb5.7/257, MS5.9/297, Error ellipse: s-maj=3.5km s-min=3.1km az=137.0

ISCJB 06 06:35:20.6.0.1, 10.82S:0.02:164.52E:0.02, h29km, mb5.6/335, MS5.9/554, Error ellipse: s-maj=2.9km s-min=2.6km az=159.2

MOS 06 06:35:20.1.0.9, 10.78Sx164.48E, h25km, mb5.9/78, MS5.8/39, Error ellipse: s-maj=7.1km s-min=5.9km az=102.5

GCMT 06 06:35:23.2.0.2, 10.69S:0.01:164.43E:0.01, h13km, 1km, MW6.1/123, Moment tensor: s23, c27, 123, c220, Duration: 2s7 Moment tensor: Scale 1018 Nm; Mn:0.23e-05; M1:0.34e-04; M2:1.57e-05; M3:0.24e-04; M4:0.86e-04; M5:0.52e-05; Best double couple: Mo:1.76500e+018 NP1:2.299.00000; 883.00000; lambda-14.00000; NP2:31.00000; 877.00000; lambda-173.00000; Principal axes: T:1.5820, P1g5.0000; Azm346.0000; N:0.3720, P1g75.0000; Azm92.0000; P: -1.9490, P1g4.0000; Azm254.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment rate function.

ISC 06 06:35:22.0.0.2, 10.82S:0.03:164.51E:0.04, h29km, n1224, c171/963, mb5.7/339, MS5.9/555, 62C-14D, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR, MARNC, DZM, DZM, DZM, DZM, DZM, HNR, PATS, MANU, EIDS, EIDS, KWAJ, KWAJ, KWAJ, CTA, CTA, CTA, CTA, MTSU, COEN, COEN, COEN, LHI.

ISC 06 06:36:32.0.0.2, 10.82S:0.03:164.51E:0.04, h29km, n1224, c171/963, mb5.7/339, MS5.9/555, 62C-14D, Santa Cruz Islands region







6d 6h

Table with columns for call sign, frequency, power, and other technical details. Includes call signs like CD2, HIA, ZEA, BTO, LZH, SEY, PBA, OHAK, CIT, GAMB, KDAK, ULN, YAK, SONA, etc.

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Table with columns for call sign, frequency, power, and other technical details. Includes call signs like PPLA, PMR, ZAK, KNK, GHO, GLI, CAST, SML, EYAK, IRK, LSA, TLY, DIV, TRF, HMT, KLU, BPAW, RDOG, RND, MCK, MCK, DHY, BWN, IM3, MLY, HARP, MOY, WRH, MCCM, KCPM, KMRM, HOPS, MDM, MDM, HDA, HDA, TCOL, COLA, COLA, GDXM, KHMM, SIT, RIDG, ODAN, ILAR, ILAR, ILB, ILB, POKR, SAO, SAO, SAO, CRAC, CRAG, DOT, DOT, O02D, SCRK, SCRK.

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Table with columns for call sign, frequency, power, and other technical details. Includes call signs like J01E, BOK, WDC, WDC, WDC, N02D, SNCC, M02C, RAMM, COLD, COLD, MAW, MAW, MAW, MAW, PAGB, PAGB, SBC, SMMC, YBH, PKM, I02D, BESE, BESE, PRP, PRP, HYT, JIS, JIS, HUMO, HUMO, ORV, ORV, WRAP, O03E, I03D, SKAG, SKAG, AFDM, AFDM, JIRN, L04D, SC12, CMB, CMB, CMB, COR, COR, M04C, CIS, GUN, VOG, OSI, OSI, G03D, FYU, FYU, ARVC, YES, PALK, PALK, PALK, FMP, I04A, J04D, K04D, RUBR, RUBR, PKI, EGAK, EGAK, PKIN, BEKR, BEKR, PASC, PASC, WHY, TIXI, TIXI, TIXI, TIXI, KKN.





UALR	comp=Z,5um,21.0s	LR	LR		
WHAR	Wooly Hollow	106.84	56	PFAKE	LR
WHAR	comp=Z,4um,21.0s				
W41B	Gary Mavity, V	106.87	56	PFAKE	LR
W41B	comp=Z,7um,21.0s				
I39A	Houston	107.43	47	PFAKE	LR
I39A	comp=Z,3um,20.0s				
EFI	East Falkland	107.65	154	PFAKE	LR
EFI	comp=Z,4um,22.0s				
L40A	Anamosa	107.69	49	PFAKE	LR
L40A	comp=Z,4um,21.0s				
CCM	Cathedral Cave	107.72	53	PFAKE	LR
CCM	comp=Z,4um,19.0s				
ABKAR	Akbulak array	107.72	318	ePdif	Pdif
GO06	Curarahue	107.74	138	PFAKE	LR
GO06	comp=Z,4um,22.0s				
T42A	Van Buren	107.84	55	PFAKE	LR
T42A	comp=Z,4um,18.0s				
ARU	Arti	107.85	326	PFAKE	LR
ARU	comp=Z,4um,18.0s				
ARU	Arti	107.85	326	P	Pdif
X43A	Marvell	107.98	57	PFAKE	LR
X43A	comp=Z,3um,20.0s				
N41A	Harden Midland	108.00	51	PFAKE	LR
N41A	comp=Z,8um,22.0s				
VBMS	Vicksburg	108.24	60	PFAKE	LR
VBMS	comp=Z,2um,20.0s				
MYIG	Mrida	108.31	71	PFAKE	LR
MYIG	comp=Z,2um,20.0s				
G40A	Rib Lake	108.31	46	PFAKE	LR
G40A	comp=Z,5um,22.0s				
PBMO	Poplar Bluff	108.37	55	PFAKE	LR
PBMO	comp=Z,4um,18.0s				
P42A	Winchester	108.41	52	PFAKE	LR
P42A	comp=Z,5um,22.0s				
SLM	Saint Louis	108.51	53	PFAKE	LR
SLM	comp=Z,4um,20.0s				
H41A	Junction City	108.74	47	PFAKE	LR
H41A	comp=Z,3um,20.0s				
MET	Memphis-Engin	108.77	57	PFAKE	LR
MET	comp=Z,4um,21.0s				
L42A	Oliver, Polo	108.85	49	PFAKE	LR
L42A	comp=Z,5um,20.0s				
AKTO	Aktyubinsk	108.87	320	PP	PP
AKTO	comp=Z,1.9nm,0.8s,baz=110,slow=14,SNR=3.8				
AKTO	Three Lakes	109.06	45	PFAKE	LR
F41A	comp=Z,4.3nm,0.9s,baz=269,slow=14,SNR=7.2				PKKPab
F41A	comp=Z,4um,20.0s				
HDIL	Hopedale	109.19	51	PFAKE	LR
HDIL	comp=Z,6um,21.0s				
OXF	Oxford	109.20	57	PFAKE	LR
OXF	comp=Z,4um,21.0s				
D41A	Chassel	109.33	44	PFAKE	LR
D41A	comp=Z,3um,20.0s				
SIUC	Southern Illin	109.33	54	PFAKE	LR
SIUC	comp=Z,4um,20.0s				
Q44A	Meyer Farm, Va	109.46	53	PFAKE	LR
Q44A	comp=Z,3um,20.0s				
G42A	Mountain	109.57	46	PFAKE	LR
G42A	comp=Z,4um,21.0s				
GEYT	Alibeck	109.58	306	PP	PP
GEYT	comp=Z,2.1nm,0.4s,baz=68,slow=4.0,SNR=6.3				
T45A	Paducah	109.80	55	PFAKE	LR
T45A	comp=Z,3um,19.0s				
K43A	Burlington	109.81	49	PFAKE	LR
K43A	comp=Z,3um,20.0s				
G43A	Wallace	110.09	46	PFAKE	LR
G43A	comp=Z,4um,20.0s				
H43A	Windswept, Lux	110.09	47	PFAKE	LR
H43A	comp=Z,3um,22.0s				
M44A	Midewin, Midew	110.10	50	PFAKE	LR
M44A	comp=Z,3um,20.0s				
147A	Livingston	110.14	59	PFAKE	LR
147A	comp=Z,3um,21.0s				
PLAL	Pickwick Lake	110.30	57	PFAKE	LR
PLAL	comp=Z,4um,22.0s				
P45A	Graceland, Par	110.42	52	PFAKE	LR
P45A	comp=Z,3um,21.0s				
WVT	Waverly	110.47	55	PFAKE	LR
WVT	comp=Z,3um,20.0s				
USIN	University of	110.55	54	PFAKE	LR
USIN	comp=Z,5um,22.0s				
KBS	Kingsbay	110.63	355	PFAKE	LR
KBS	comp=Z,2um,20.0s				
ESTN	Estel	110.73	80	PFAKE	LR
ESTN	comp=Z,4um,21.0s				
SFIN	Lafayette	110.87	51	PFAKE	LR
SFIN	comp=Z,7um,22.0s				
X48A	Hartselle	111.15	57	PFAKE	LR
X48A	comp=Z,4um,21.0s				
LRAL	Lakeview Retre	111.22	59	PFAKE	LR
LRAL	comp=Z,5um,20.0s				
V48A	Smith Brothers	111.30	56	PFAKE	LR
V48A	comp=Z,3um,22.0s				
BOAB	BOACO BROADBANK	111.34	81	PFAKE	LR
BOAB	comp=Z,500nm,20.0s				
M46A	Old House Fiel	111.37	50	PFAKE	LR
M46A	comp=Z,4um,21.0s				
BLO	Bloomington	111.39	52	PFAKE	LR
BLO	comp=Z,3um,20.0s				
ABPO	Ambohimpanom	111.52	245	PFAKE	LR
ABPO	comp=Z,4um,18.0s				
PEL	Peldehue	111.55	132	PFAKE	LR
PEL	comp=Z,4um,22.0s				
WCI	Wyandotte Cave	111.62	53	PFAKE	LR
WCI	comp=Z,4um,20.0s				
Y49A	Blount Mountai	111.69	58	PFAKE	LR
Y49A	comp=Z,4um,21.0s				
JTS	JuntasAbangare	111.76	83	PFAKE	LR
JTS	comp=Z,3um,20.0s				
SWET	Sewanee	112.05	56	PFAKE	LR
SWET	comp=Z,4um,22.0s				

Z50A	Ashland	112.11	59	PFAKE	LR
Z50A	comp=Z,3um,20.0s				
KIRV	Kirov	112.24	329	PP	PP
T49A	Edmonton	112.28	54	PFAKE	LR
T49A	comp=Z,3um,20.0s				
GLMI	Grayling	112.30	46	PFAKE	LR
GLMI	comp=Z,4um,22.0s				
HDC	Heredia	112.54	84	PFAKE	LR
HDC	comp=Z,3um,20.0s				
W50A	Signal Mountai	112.55	56	PFAKE	LR
W50A	comp=Z,4um,22.0s				
M48A	Edgerton	112.58	50	PFAKE	LR
M48A	comp=Z,4um,20.0s				
ESPAN	Las Esperanzas	112.63	81	PFAKE	LR
ESPAN	comp=Z,3um,21.0s				
GO04	Tololo Observa	112.91	129	PFAKE	LR
GO04	comp=Z,3um,22.0s				
X51A	Calhoun	112.95	57	PFAKE	LR
X51A	comp=Z,4um,22.0s				
352A	Blakely	112.99	60	PFAKE	LR
352A	comp=Z,2um,21.0s				
O49A	Covington	112.99	51	PFAKE	LR
O49A	comp=Z,5um,20.0s				
N49A	Columbus Grove	113.04	50	PFAKE	LR
N49A	comp=Z,3um,19.0s				
PRGR	Pergome	113.07	333	iPKIKP	PKIKP
PRGR	comp=Z,11nm,1.0s				
152A	Waverly Hall	113.14	59	PFAKE	LR
152A	comp=Z,4um,22.0s				
CPCT	Cooper Cave	113.19	56	PFAKE	LR
CPCT	comp=Z,3um,21.0s				
AAM	Ann Arbor	113.29	49	PFAKE	LR
AAM	comp=Z,3um,21.0s				
V51A	Loudon	113.31	56	PFAKE	LR
V51A	comp=Z,3um,20.0s				
LCO	Las Campanas	113.53	128	PFAKE	LR
LCO	comp=Z,3um,22.0s				
Y52A	Libburn	113.64	58	PFAKE	LR
Y52A	comp=Z,4um,21.0s				
W52A	Murphy	113.69	56	PFAKE	LR
W52A	comp=Z,3um,21.0s				
TKL	Tuckaleechee C	113.78	56	PFAKE	LR
TKL	comp=Z,3um,21.0s				
SS1A	Beattyville	113.79	54	PFAKE	LR
SS1A	comp=Z,4um,19.0s				
M50A	Fremont	113.84	50	PFAKE	LR
M50A	comp=Z,4um,22.0s				
Q51A	Peebles	113.86	52	PFAKE	LR
Q51A	comp=Z,5um,22.0s				
V52A	Sevierville	113.92	56	PFAKE	LR
V52A	comp=Z,3um,21.0s				
ACSO	Alum Creek Sta	114.02	51	PFAKE	LR
ACSO	comp=Z,2um,20.0s				
P51A	Williamsport	114.04	52	PFAKE	LR
P51A	comp=Z,6um,20.0s				
TIGA	Tifton	114.14	60	PFAKE	LR
TIGA	comp=Z,2um,22.0s				
GOGA	Godfrey	114.16	58	PFAKE	LR
GOGA	comp=Z,4um,22.0s				
LVZ	Lovozero	114.33	341	PFAKE	LR
LVZ	comp=Z,6um,20.0s				
154A	Montrose	114.50	59	PFAKE	LR
154A	comp=Z,3um,21.0s				
V53A	Saluda	114.56	56	PFAKE	LR
V53A	comp=Z,3um,22.0s				
TRQA	Tornquist	114.70	141	PFAKE	LR
TRQA	comp=Z,3um,20.0s				
555A	McAlpin	114.71	62	PFAKE	LR
555A	comp=Z,2um,20.0s				
NNA	Nana	114.88	109	PFAKE	LR
NNA	comp=Z,2um,21.0s				
O52A	Adamsville	114.91	51	PFAKE	LR
O52A	comp=Z,3um,18.0s				
APA	Apacity	114.91	341	iPKIKP	PKIKP
APA	comp=Z,8.0nm,1.0s				
APA	comp=Z,7um,23.0s				
255A	Hazlehurst	115.07	60	PFAKE	LR
255A	comp=Z,2um,20.0s				
656A	Willston	115.11	63	PFAKE	LR
656A	comp=Z,2um,22.0s				
TMCR	Tamitsa	115.14	337	ePKIKP	PKIKP
P53A	Whipple	115.32	51	PFAKE	LR
P53A	comp=Z,5um,22.0s				
KEV	Kevo	115.34	345	PFAKE	LR
KEV	comp=Z,5um,20.0s				
957A	Wimauma	115.40	65	PFAKE	LR
957A	comp=Z,2um,19.0s				
PRVC	Isla de Provid	115.61	80	eP	PKIKP
PRVC	comp=Z,4um,21.0s				
ARAO	ARCESS Array S	115.88	345	ePKP	PKIKP
ARAO	comp=Z,2.6nm,0.6s,baz=64,slow=1.8,SNR=16				
ARCES	ARCESS Array B	115.88	345	PKP	PKIKP
ARCES	comp=Z,3.1nm,1.0s,baz=264,slow=1.2,SNR=8.2				
AREO	AREO	115.88	345	PFAKE	LR
AREO	comp=Z,300nm,21.0s				
ERPA	Erie	116.01	48	PFAKE	LR
ERPA	comp=Z,3um,21.0s				
KLMR	Klimovskoe	116.09	334	ePKIKP	PKIKP
KLMR	comp=Z,1.1nm,1.1s				
KLMR	comp=Z,1.1nm,1.1s				
KLMR	comp=Z,1.1nm,1.1s				
KLMR	comp=Z,1.1nm,1.1s				
DWPF	Disney Wildern	116.11	64	PFAKE	LR
DWPF	comp=Z,2um,22.0s				
SADO	Sadova	116.16	45	PFAKE	LR
SADO	comp=Z,4um,19.0s				
N54A	Moraine State	116.19	50	PFAKE	LR
N54A	comp=Z,5um,22.0s				
658A	Bunnell	116.22	63	PFAKE	LR

658A	comp=Z,2um,18.0s	LR	LR		
257A	Skidaway Islan	116.30	60	PFAKE	LR
257A	comp=Z,2um,21.0s				
BLA	Blacksburg	116.34	54	PFAKE	LR
BLA	comp=Z,3um,20.0s				
M54A	Oil Creek Stat	116.35	49	PFAKE	LR
M54A	comp=Z,4um,21.0s				
O59A	Moore Haven	116.39	65	PFAKE	LR
O59A	comp=Z,2um,22.0s				
OTAV	Otavallo	116.47	95	PFAKE	LR
OTAV	comp=Z,3um,22.0s				
MCWV	Mont Chateau	116.48	51	PFAKE	LR
MCWV	comp=Z,2um,21.0s				
BCIP	Isla Barro Col	116.61	85	PFAKE	LR
BCIP	comp=Z,2um,21.0s				
061Z	Ochoppi	116.61	67	PFAKE	LR
061Z	comp=Z,2um,20.0s				
NHSC	New Hope	116.93	58	PFAKE	LR
NHSC	comp=Z,3um,20.0s				
PB04	IPOC Station P	117.00	122	PFAKE	LR
PB04	comp=Z,2um,20.0s				
O56A	Blue Knob Stat	117.36	50	PFAKE	LR
O56A	comp=Z,5um,21.0s				
MMNY	Mt. Morris Dam	117.42	47	PFAKE	LR
MMNY	comp=Z,5um,19.0s				
SSPA	Standing Stone	117.81	50	PFAKE	LR
SSPA	comp=Z,3um,21.0s				



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Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like HRV, WES, RUSC, ANN, GGN, BOS, AKAS, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like DRGR, TRIS, OKC, MORC, PSZ, etc.

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like VISS, UCC, WATA, ABTA, MOTA, etc.

IDC 06:37:02.0\_3.2, 12.81Sx165°17E, h0km, mb4.9/10, mb1 5.0/10, mb1mx4.6/46, mbtmp4.9/10, Error ellipse: s-min=85.3km s-max=30.4km az=125.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, ASAR, MJAR, etc.

IDC 06:37:54.2\_2.3, 10°86Sx164°60E, h0km, mb4.7/9, mb1 4.8/10, mb1mx4.4/47, mbtmp4.7/10, ML5.5/1, Error

ellipse: s-maj=57.7km s-min=33.3km az=151.0
ISCJB 06 06:37:57.41.3, 10.85S; 02:164.47E; 0.0h, h29km
mb4.6/9, Error ellipse: s-maj=32.1km s-min=12.0km
az=0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Honiara, Warramunga Arr, Matsuhiro Arr, etc.

SOME 06 06:39:15.3, 41.25N; 71.02E, h0km
KRNET 06 06:39:16.5, 0.1, 41.43N; 70.98E, mb2.8
ISC 06 06:39:18.4, 1.2, 41.34N; 0.04, 71.01E; 0.04, h15km; 12km,
n10, c123/20, 11C-4D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like luzhny, Batken, Arslanbob, Karatay Array, etc.

KRSC 06 06:40:00.1-2.1, 50.224N; 156.94E, h82km; 26km, ML4.5
ISCJB 06 06:40:01.5, 0.5, 50.54N; 0.06, 156.16E; 0.08,
h15km; 3km, mb3.7/4, Error ellipse: s-maj=12.0km
s-min=4.7km az=13.8

MOS 06 06:40:02.0, 1.2, 50.59N; 156.19E, h146km, mb3.9/3, Error
ellipse: s-maj=13.5km s-min=4.5km az=69.9
IDC 06 06:40:07.9, 1.8, 50.98N; 155.92E, h146km, mb3.9/3, Error
ellipse: s-maj=23.1km s-min=10.8km az=156.0

ISC 06 06:40:01.7, 0.5, 50.46N; 0.08, 156.37E; 0.06, h108km; 6km,
n86, c1971/105, mb3.8/14, 2C-3D, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Severo-Kuril's, Alaid, Pauzhetka, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Mys Kozlova, Tumrok D, Tumrok, etc.

IDC 06 06:40:30.4, 0.0, 6.1, 80S; 164.56E, h0km, mb4.6/22,
mb1.4/8/25, mb1mx4.5/48, mbtmp4.7/25, ML5.1/3, Error
ellipse: s-maj=19.8km s-min=14.2km az=103.0

ISCJB 06 06:40:33.0, 0.5, 10.85S; 0.07, 164.49E; 0.09, h29km,
mb4.6/22, Error ellipse: s-maj=13.1km s-min=9.9km
az=5.1

ISC 06 06:40:34.9, 0.6, 10.81S; 0.09, 164.5E; 0.1, h29km, n29,
c087/29, mb4.6/22, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Honiara, DZM, CTA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Honiara, Honiara, DZM, etc.

ISCJB 06 06:46:55.4, 0.1, 11.04S; 0.165, 177E; 0.06, h10km,
mb4.6/39, Error ellipse: s-maj=7.8km s-min=6.2km
az=173.3

IDC 06 06:46:55.2, 0.1, 11.07S; 166.02E, h0km, mb4.4/21,
mb1.4/6/23, mb1mx4.4/41, mbtmp4.4/23, ML5.0/2, Error
ellipse: s-maj=18.3km s-min=13.8km az=109.0

NEIC 06 06:46:57.1, 0.3, 10.99S; 165.82E, h10km, mb4.8/23, Error
ellipse: s-maj=7.5km s-min=6.3km az=87.0

ISC 06 06:46:57.0, 0.5, 11.02S; 0.08, 165.88E; 0.09, h10km, n71,
c1522/74, mb4.6/39, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Honiara, Honiara, DZM, etc.



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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like HIZ Hauriti, H1S1 WAKE ISLAND Hy, HAZ Te Kaha, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like OPA Opana, BLDU Ballidu, KHU Kahuku, etc.

6d 6h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like QIZ Qiongzong, MYKOM Kota Tinggi, USA0B Ussuriysk Ar, etc.







Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like KSH, LTX, TXAR, LAO, NIL, SNA, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MORC, BRG, BRG, BRG, BRG, BRG, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like HNR, HNR, HNR, HNR, HNR, HNR, etc.

ICD 06:05:59.7, 1.2, 10.965x165.38E, h0km, mb4.3/9, mb1.4/6.11, mb1mx4.2/39, mbtmp4.5/11, ML4.8/2, Error ellipse: s-maj=34.0km s-min=21.2km az=128.0

ISCJB 06:07:00.02:5.0, 8, 11.0S:0.1x165.3E:0.1, h30km, mb4.3/8, Error ellipse: s-maj=17.1km s-min=14.4km az=11.0

ISC 06:07:00.04:3.0, 9, 11.0S:0.1x165.4E:0.1, h30km, m12, c080/12, mb4.3/8, Santa Cruz Islands

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like HNR, DZM, MZM, etc.

ICD 06:07:01:38.3:1.7, 11.52Sx165.44E, h0km, mb3.9/5, mb1.4/1.6, mb1mx3.8/38, mbtmp3.9/6, ML4.2/1, Error ellipse: s-maj=49.3km s-min=28.6km az=116.0

ISCJB 06:07:01.04:1.2, 1.1, 7.1S:0.1x165.5E:0.2, h24km, mb3.8/5, Error ellipse: s-maj=32.7km s-min=19.5km az=177.9

ISC 06:07:01.04:1.9, 1.2, 11.6S:0.1x165.5E:0.3, h24km, m6, mb3.8/5, mb4.0/5, Santa Cruz Islands

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like DZM, WRA, ASAR, etc.

ICD 06:06:59:08.1:0.7, 10.64S:165.20E, h0km, mb4.3/13, mb1.4/5.14, mb1mx4.2/38, mbtmp4.3/14, ML4.4/1, Error ellipse: s-maj=9.7km s-min=8.6km az=112.0

NEIC 06:06:59:09.7:0.4, 10.69S:165.28E, h10km, mb4.5/6, Error ellipse: s-maj=9.7km s-min=8.6km az=112.0

ISCJB 06:06:59:11.0:0.4, 10.77S:0.06:165.20E:0.7, h31km, mb4.3/16, Error ellipse: s-maj=10.3km s-min=7.8km az=158.7

ISC 06:06:59:12.8:0.5, 10.71S:0.08:165.27E:0.09, h31km, n46, c1507/40, mb4.3/16, Santa Cruz Islands

Table with columns: Code, Station Name, Frequency, Power, and other technical details. Includes stations like WRA, ASAR, etc.





SHL	Shillong	80.08	298	eP	P	07 25 57.5	-0.4
BOD	Bodalbo	80.10	335	eP	P	07 25 57.0	-0.1
	comp=Z,28nm,1.7s						
PMR	Palmer	80.36	20	eP	P	07 25 58.7	+0.3
PMR	Palmer	80.36	20	eP	P	07 25 58.7	+0.3
	comp=Z,34nm,1.4s						
KNK	Knik Glacier	80.47	21	eP	P	07 26 00.2	+1.1
GLI	Glacier Island	80.58	21	eP	P	07 25 59.2	-0.5
CASI	Castle Rocks	80.74	18	eP	P	07 26 00.0	-0.5
SML	Sawmill	80.79	20	eP	P	07 26 01.9	+1.1
SML	Sawmill	80.79	20	eP	P	07 26 01.9	+1.1
	comp=Z,83nm,1.5s						
DIV	Divide	81.23	22	eP	P	07 26 02.8	-0.4
ZAK	Zakamensk	81.25	325	eP	P	07 26 03.4	-0.2
	comp=Z,22nm,1.2s						
TRF	Thorofare Moun	81.31	19	eP	P	07 26 03.0	-0.7
KLU	Klutina	81.42	21	eP	P	07 26 05.0	+0.9
BPBW	Bear Paw Mtn.	81.57	18	eP	P	07 26 04.9	0.0
TLY	Talaya	81.67	326	eP	P	07 26 05.7	0.0
TLY	Talaya	81.67	326	eP	P	07 26 05.9	+0.2
TLY	Talaya	81.67	326	eP	P	07 26 05.9	+0.2
	comp=Z,6.7nm,0.9s,baz=150,slow=3.2,SNR=28						
RDOG	Red Dog Mine	81.77	12	eP	P	07 26 06.8	+1.0
LSA	Lhasa	81.91	302	eP	P	07 26 06.9	-1.1
LSA	Lhasa	81.91	302	eP	P	07 26 06.9	-1.1
	comp=Z,56nm,1.9s						
MCK	McKinley	81.94	19	eP	P	07 26 07.0	+0.2
MCK	McKinley	81.94	19	eP	P	07 26 07.0	+0.2
	comp=Z,33nm,1.2s						
DHY	Denali Highway	81.99	20	eP	P	07 26 07.3	+0.1
BWN	Browne	82.09	18	eP	P	07 26 07.4	-0.1
IM3	Indian Mountai	82.20	16	eP	P	07 26 08.9	+0.8
HARP	HAARP	82.30	21	eP	P	07 26 10.0	+1.3
MLY	Manley	82.33	17	eP	P	07 26 09.5	+0.6
KMRM	Mali Ridge	82.67	47	eP	P	07 26 12.2	+1.0
WRH	Wood River Hill	82.73	18	eP	P	07 26 10.2	-0.7
GDXM	Geysers	82.84	48	eP	P	07 26 14.3	+2.2
MDM	Murphy Dome	83.02	18	eP	P	07 26 11.6	-0.9
HDA	Harding Lake	83.04	19	eP	P	07 26 12.7	+0.2
HDA	Harding Lake	83.04	19	eP	P	07 26 12.7	+0.2
	comp=Z,25nm,1.4s						
TCOL	CIGO, UAF Yank	83.08	18	eP	P	07 26 12.4	-0.3
COLA	College	83.08	18	eP	P	07 26 12.7	+0.1
COLA	College	83.08	18	eP	P	07 26 12.2	-0.5
	comp=Z,24nm,1.1s						
MOY	Mondy	83.13	326	eP	P	07 26 13.2	-0.2
MOY	Mondy	83.13	326	eP	P	07 26 13.2	-0.2
	comp=Z,28nm,3.2s						
RIDG	Independ'e Rid	83.28	20	eP	P	07 26 14.1	+0.2
ILAR	Eielson Array	83.31	19	eP	P	07 26 14.2	+0.3
ILAR	Eielson Array	83.31	19	eP	P	07 26 14.2	+0.3
	comp=Z,7.6nm,0.5s,baz=242,slow=4.6,SNR=113						
ILB	Eielson Array	83.31	19	eP	P	07 26 12.4	-1.4
IL1	Eielson Array	83.31	19	eP	P	07 26 12.5	-1.4
O02D	Mt. Diablo Mer	83.31	47	eP	P	07 26 15.8	+1.2
POKR	Poker Plat Res	83.38	18	eP	P	07 26 13.7	-0.6
K02D	Williamette Mer	83.57	45	eP	P	07 26 16.2	+0.4
SNCC	San Nicolas Is	83.60	55	eP	P	07 26 16.4	+0.3
WDC	Whiskeytown Da	83.63	47	eP	P	07 26 15.4	-0.7
WDC	Whiskeytown Da	83.63	47	eP	P	07 26 15.4	-0.7
	comp=Z,21nm,1.4s						
N02D	Trinity Center	83.64	46	eP	P	07 26 17.4	+1.1
M02C	Callahan	83.68	46	eP	P	07 26 17.0	+0.6
SCRC	Sand Creek	83.72	20	eP	P	07 26 16.2	0.0
PAGB	Antelope Grade	83.77	52	eP	P	07 26 18.7	+1.7
SMMC	Simmler	83.84	52	eP	P	07 26 18.0	+0.6
PKM	Mpchserson Peak	83.86	53	eP	P	07 26 18.4	+0.7
YBH	Yreka Blue Hor	83.90	46	eP	P	07 26 17.3	-0.2
YBH	Yreka Blue Hor	83.90	46	eP	P	07 26 17.3	-0.2
	comp=Z,17nm,1.0s						
ORV	Oroville	84.04	48	eP	P	07 26 18.6	+0.4
ORV	Oroville	84.04	48	eP	P	07 26 18.6	+0.4
	comp=Z,12nm,1.0s						
O03E	Paynes Creek	84.06	47	eP	P	07 26 18.8	+0.4
COLD	Coldfoot	84.08	16	eP	P	07 26 18.8	+1.0
JIS	Juneau Island	84.19	27	eP	P	07 26 20.3	+1.8
AFDM	Forest Hills D	84.23	49	eP	P	07 26 19.9	+0.7
PRP	Porcupine Dome	84.24	18	eP	P	07 26 18.8	0.0
L04D	Klamath Falls	84.35	45	eP	P	07 26 20.5	+0.6
CMB	Columbia Colle	84.38	50	eP	P	07 26 20.9	+0.9
CMB	Columbia Colle	84.38	50	eP	P	07 26 20.9	+0.9
	comp=Z,16nm,1.0s						
M04C	Macdoel	84.53	46	eP	P	07 26 21.6	+0.8
CIS	Catalina Islan	84.53	55	eP	P	07 26 21.2	+0.3
KNGR	Kungurtug, Tuv	84.65	324	eP	P	07 26 21.5	+0.3
ARVC	Arvin	84.70	53	eP	P	07 26 22.0	+0.4
YES	Vestal, Richgr	84.71	52	eP	P	07 26 22.2	+0.5
I04A	Tendick Farm,	84.81	44	eP	P	07 26 22.8	+0.7
J04D	Umpqua Nationa	84.83	44	eP	P	07 26 23.3	+0.9
H04D	Lebanon	84.84	43	eP	P	07 26 22.8	+0.6
K04D	Chiloquin, OR	84.85	45	eP	P	07 26 23.0	+0.5
MAW	Beckworth	84.90	202	eP	P	07 26 23.7	+1.7
BEKA	Beckworth	84.97	48	eP	P	07 26 22.9	-0.2
	comp=Z,42nm,0.8s,baz=89,slow=5.5,SNR=6.3						
MWC	Mount Wilson	85.05	54	eP	P	07 26 24.5	+0.8
MWC	Mount Wilson	85.05	54	eP	P	07 26 24.5	+0.8
	comp=Z,56nm,1.5s						
ISA	Isabella, Lake	85.13	53	eP	P	07 26 24.7	+0.7

WAKR	Walker	85.23	50	eP	P	07 26 24.8	+0.3
	comp=Z,32nm,1.3s						
MDPB	Devils Postpile	85.24	50	eP	P	07 26 25.8	+1.1
EDW2	Edwards Air Fo	85.29	53	eP	P	07 26 25.4	+0.7
OMMB	Old Mammoth Mi	85.30	51	eP	P	07 26 23.9	-1.1
VCNR	Virginia City	85.32	49	eP	P	07 26 24.9	0.0
DAWY	Dawson	85.37	21	eP	P	07 26 24.7	+0.2
BFSC	Mount Baldy Ra	85.37	54	eP	P	07 26 25.4	+0.2
109C	Camp Elliot, M	85.45	55	eP	P	07 26 26.0	+0.6
CPE	Camp Elliot	85.45	55	eP	P	07 26 26.6	+1.2
J05D	Fort Rock, OR	85.45	45	eP	P	07 26 26.3	+0.9
YERR	Yerington	85.53	49	eP	P	07 26 25.7	-0.3
MURC	Murrieta	85.57	55	eP	P	07 26 26.5	+0.4
PAHR	Pah Rah Range	85.64	48	eP	P	07 26 27.6	+1.1
MOD	Modoc Plateau	85.65	46	eP	P	07 26 26.3	-0.2
CWC	Cottonwood Cre	85.66	52	eP	P	07 26 27.1	+0.4
D03D	Eldon	85.67	40	eP	P	07 26 27.1	+0.9
LRMC	Laurel Mtn Rad	85.70	53	eP	P	07 26 27.4	+0.5
TIXI	Tiksi	85.71	349	eP	P	07 26 25.6	-0.3
TIXI	Tiksi	85.71	349	eP	P	07 26 25.6	-0.3
	comp=Z,35nm,1.3s						
TIXI	Tiksi	85.71	349	eP	P	07 26 25.9	0.0
	comp=Z,40nm,1.7s						
TIXI	Tiksi	85.72	51	eP	P	07 26 27.6	+0.7
	comp=Z,8.4nm,1.0s,baz=139,slow=5.1,SNR=17						
TIN	Tinemaha, Big	85.72	51	eP	P	07 26 27.6	+0.7
I05D	Terrebonne, OR	85.72	44	eP	P	07 26 27.1	+0.5
BAR	Barrett	85.74	56	eP	P	07 26 28.1	+1.1
PINE	Pine Mountain	85.81	44	eP	P	07 26 27.8	+0.5
RYN	Ryan	85.96	50	eP	P	07 26 27.9	-0.2
BBRC	Big Bear Solar	85.97	54	eP	P	07 26 28.8	+0.5
DAC	Darwin (Calif)	85.99	52	eP	P	07 26 29.0	+0.6
DAC	Darwin (Calif)	85.99	52	eP	P	07 26 29.0	+0.6
	comp=Z,15nm,1.1s						
MONP2	Monument Peak	86.00	56	eP	P	07 26 29.3	+0.8
	comp=Z,15nm,1.1s						
MPMC	Manual Prospec	86.01	52	eP	P	07 26 29.1	+0.7
	comp=Z,25nm,1.3s						
NV01	Mina Array Sit	86.06	50	eP	P	07 26 28.6	0.0
NV01	Mina Array Sit	86.06	50	eP	P	07 26 28.8	+1.1
	comp=Z,15nm,1.0s,baz=232,slow=7.7,SNR=37						
F05D	White Salmon	86.16	42	eP	P	07 26 29.5	+0.8
PFO	Pinyon Flats O	86.16	55	eP	P	07 26 29.4	+0.2
PFO	Pinyon Flats O	86.16	55	eP	P	07 26 29.4	+0.2
	comp=Z,14nm,1.1s						
PFO	Pinyon Flats O	86.16	55	eP	P	07 26 29.6	+0.5
XPFO	Pion Flat	86.17	55	eP	P	07 26 28.9	-0.2
NV11	Mina Array Sit	86.17	50	eP	P	07 26 30.2	+1.1
IKP	In-Ko-Pah, Jac	86.19	56	eP	P	07 26 29.8	+0.5
D05A	Enumelaw	86.25	41	eP	P	07 26 29.5	+0.4
A04D	Lummi Island	86.33	39	eP	P	07 26 30.2	+0.8
GSC	Goldstone, Bar	86.34	53	eP	P	07 26 30.1	+0.1
GSC	Goldstone, Bar	86.34	53	eP	P	07 26 30.1	+0.1
	comp=Z,14nm,1.3s						
GSC	Goldstone, Bar	86.34	53	eP	P	07 26 30.4	+0.4
	comp=Z,14nm,1.3s						
GRAC	Grapevine Rang	86.37	51	eP	P	07 26 31.0	+1.0
KVN	Kaiserville	86.39	49	eP	P	07 26 31.2	+0.9
KVN	Kaiserville	86.39	49	eP	P	07 26 31.2	+0.9
	comp=Z,18nm,1.1s						
SWSC	Sam W. Stewart	86.52	56	eP	P	07 26 31.6	+0.9
B05A	Bryant	86.56	40	eP	P	07 26 31.6	+1.0
HEC	Hector,Ludlow	86.58	54	eP	P	07 26 31.5	+0.3
FURC	Furnace Creek,	86.61	52	eP	P	07 26 31.8	+0.8
BELC	Belle Mtn. Jos	86.64	55	eP	P	07 26 32.2	+0.7
I07A	Ibez	86.89	44	eP	P	07 26 32.8	+0.3
SHOC	Shoshone, Tec	86.92	53	eP	P	07 26 33.2	+0.5
BC3	Big Chickawall	86.98	55	eP	P	07 26 33.9	+0.7
WVOR	Wild Horse Pla	87.00	46	eP	P	07 26 34.2	+1.2
WVOR	Wild Horse Pla	87.00	46	eP	P	07 26 34.2	+1.2
	comp=Z,32nm,1.3s						
GMRC	Granite Mounta	87.11	54	eP	P	07 26 34.5	+0.7
C06D	Leavenworth	87.20	40	eP	P	07 26 34.4	+0.7
TPNV	Topopah Spring	87.22	52	eP	P	07 26 35.4	+1.1
TPNV	Topopah Spring	87.22	52	eP	P	07 26 35.4	+1.1
	comp=Z,6.0nm,0.9s						
GLA	Glamis	87.34	56	eP	P	07 26 36.1	+1.3
GLA	Glamis	87.34	56	eP	P	07 26 36.1	+1.3
	comp=Z,32nm,1.1s						
GLA	Glamis	87.34	56	eP	P	07 26 36.0	+1.3
	comp=Z,33nm,1.1s						
IRM	Iron Mountain	87.36	55	eP	P	07 26 35.8	+0.9
J08A	Circle Bar Ran	87.38	45	eP	P</		

6d 7h

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZAA1, PV17, H17A, MAK2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KHC, KHC, GEC2, GEC2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR, DZM, CTA, STKA, etc.

Table with columns: Station, Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like ASAJ, KSRS, KSAR, etc.

Table with columns: Station, Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like EDW2, PNTR, OMMB, etc.

Table with columns: Station, Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like BGU, WUAZ, WUAZ, etc.

ADC 06:07:24:28.4±2.0, 10.745S×165.29E, h0km, mb4.0/3, mb1 4.3/4, mb1mx3.8/36, mbmtmp4.1/4, ML4.1/1, Error ellipse: s-maj=53.9km s-min=35.2km az=126.0, Santa Cruz Islands







6d 7h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Zalesovo Array, Pinedale Array, Yellowknife Ar, etc.

IDC 06 07:38:52.0-0.7, 11.875S; 165.71E, h0km, mb4.3/11, mb1.4/5.11, mb1mx4.1/42, mbtmp4.3/11, Error ellipse: s-maj=29.0km s-min=21.7km az=135.0

NEIC 06 07:38:54.0-0.4, 11.765S; 165.69E, h10km, mb4.5/6, Error ellipse: s-maj=12.6km s-min=8.2km az=89.0

ISCJB 06 07:38:56.2-0.4, 11.935S; 0.06:165.66E; 0.09, h33km, mb4.3/17, Error ellipse: s-maj=13.2km s-min=8.7km az=177.5

ISC 06 07:38:57.9-0.6, 11.855S; 0.09:165.7E; 0.1, h35km, n32, c095/35, mb4.3/17, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Mare, Loyalty, Mont Dzumac, Ouen Toro, etc.

ISCJB 06 07:42:43.8-3.4, 10.995S; 0.04:165.45E; 0.04, h5km, 21km, mb4.7/76, MS4.8/2, Error ellipse: s-maj=7.6km s-min=6.8km az=29.6

IDC 06 07:42:44.8-0.5, 10.955S; 165.53E, h0km, mb4.6/23, mb1.4/7.25, mb1mx4.8/42, mbtmp4.6/25, ML5.0/2, MS4.3/1, MS1.4/3.1, ms1mx3.6/37, Error ellipse: s-maj=18.0km s-min=13.7km az=115.0

NEIC 06 07:42:46.1-0.2, 10.955S; 165.50E, h10km, mb4.8/52, Error ellipse: s-maj=5.5km s-min=4.2km az=129.0

ISC 06 07:42:45.5-1.4, 10.955S; 0.06:165.50E; 0.07, h6km, 8km, n135, c088/144, mb4.8/76, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Honiara, Mont Dzumac, Ouen Toro, etc.

2015 FEB

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Alice Springs, Matsushiro, Katsue, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Lo Mia Camp, Mount Pionier, MSU, etc.

DDA 06 07:44:51.8, 42.222N; 40.94E, h7km, 4km, ML3.1, TIF 06 07:44:51.2, 42.47N; 41.40E, h24km, 1km

MOS 06 07:44:52.0-0.0, 42.57N; 41.11E, h16km, MPVA3.8, NORS 06 07:44:54.0-0.0, 42.57N; 41.56E, h1km, MPVA3.4

ISC 06 07:44:52.3-1.2, 42.38N; 40.02:41.25E; 0.04, h17km, 10km, n18, c105/38, Western Caucasus

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Batumi, Dombai, Borcka, etc.

MEX 06 07:45:33.8-0.7, 16.050N; 98.69W, h2km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Pinotepa, Warramunga Arr, etc.

IDC 06 07:46:43.5-1.6, 10.965S; 165.18E, h0km, mb3.8/4, mb1.4/0.5, mb1mx3.7/45, mbtmp3.9/5, ML4.0/1, Error ellipse: s-maj=51.3km s-min=30.6km az=123.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Mont Dzumac, Warramunga Arr, etc.

IDC 06 07:47:29.1-1.7, 11.265S; 164.92E, h0km, mb3.7/3, mb1.4/0.4, mb1mx3.6/44, mbtmp3.7/4, ML3.5/1, Error ellipse: s-maj=51.5km s-min=31.4km az=128.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like Mont Dzumac, Warramunga Arr, etc.







IDC 06 08:03:29.8.1.4.11.105x165.56E,h0km,mb3.9/6,  
 mb1 4.17,mb1mx3.8/38,mbtmp3.97,ML3.9/1,Error  
 ellipse: s-maj=44.9km s-min=26.2km az=131.0  
 IS/CJB 06 08:03:32.5.1.0.11.2S:0.1x165.5E:0.2,h30km,mb3.8/6,  
 Error ellipse: s-maj=27.8km s-min=18.6km az=6.7  
 ISC 06 08:03:34.3.1.0.11.1S:0.1x165.6E:0.2,h30km,n7,  
 o=85977,mb3.8/6,Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
DZM	Mont Dzumac	10.90	176	Op	ISC	08 06 08.6	+0.1
WRM	Warramunga Arr	31.28	250	P	Pn	08 09 51.4	-0.5
ASAR	Alice Springs	32.58	243	P	P	08 10 03.1	-0.3
CMAR	Chiang Mai Arr	71.98	294	P	P	08 14 57.1	+1.3
ILAR	Eielson Array	83.67	19	P	P	08 15 59.3	-0.4
MKAR	Makanchi Array	93.47	317	P	P	08 16 46.8	+0.3
YKA	Yellowknife Arr	95.14	27	P	P	08 16 54.8	+0.3

IDC 06 08:04:04.5.1.7.10.895x165.40E,h0km,mb3.8/3,  
 mb1 4.1/4,mb1mx3.7/38,mbtmp3.9/4,ML3.9/1,Error  
 ellipse: s-maj=53.8km s-min=31.1km az=128.0,Santa  
 Cruz Islands

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
DZM	Mont Dzumac	11.17	175	Op	ISC	08 06 46.0	+0.4
WRM	Warramunga Arr	31.22	249	P	Pn	08 10 26.1	+0.1
ASAR	Alice Springs	32.56	243	P	P	08 10 37.5	-0.2
ILAR	Eielson Array	83.47	19	P	P	08 16 33.6	0.0

IDC 06 08:04:30.1.0.4.15.195Sx172.17W,h0km,mb4.8/24,  
 mb1 4.9/24,mb1mx4.9/33,mbtmp4.8/24,MS4.5/4,  
 MS1 4.5/4,ms1mx3.9/38,Error ellipse: s-maj=18.6km  
 s-min=12.7km az=132.0  
 IS/CJB 06 08:04:34.8.0.1.15.98S:0.04x172.21W:0.03,h41km,  
 mb4.9/24,MS4.9/1,Error ellipse: s-maj=6.8km  
 s-min=3.4km az=145.0  
 NEIC 06 08:04:34.0.2.6.15.96Sx172.24W,h24km,17km,  
 mb5.0/200,Error ellipse: s-maj=5.8km s-min=3.2km  
 az=145.0  
 MOS 06 08:04:34.9.1.5.15.83Sx172.23W,h33km,mb5.1/39,  
 Error ellipse: s-maj=10.2km s-min=7.4km az=53.3  
 ISC 06 08:04:36.2.0.3.16.04S:0.07x172.12W:0.06,h41km,  
 n653,o=99/656,mb4.9/24,43C-31D,Samoa Islands  
 region

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
						h m s	ISC
NIUE	Niue	3.67	146	ePn	Pn	08 05 24.3	-6.2
MSVF	Nonsavu	9.56	258	ePn	Pn	08 06 53.5	+2.0
MSVF	Nonsavu	9.56	258	ePn	Pn	08 06 53.5	+2.0
RAR	Rarotonga	12.78	116	Pn	Pn	08 07 28.4	-7.0
RAR	Rarotonga	12.78	116	Pn	Pn	08 07 28.4	-7.0
MARNC	Marie, Loyalty	15.95	251	eP	P	08 08 59.7	-0.9
PINNC	Pines Island,	20.35	248	eP	P	08 09 07.3	-2.0
DZM	Mont Dzumac	21.12	250	eLR	LR	08 14 40.8	
DZM	Mont Dzumac	21.12	250	eP	P	08 09 16.1	-1.7
DZM	Mont Dzumac	21.12	250	P	P	08 09 19.1	+1.3
DZM	Mont Dzumac	21.12	250	LR	LR	08 16 06.5	
PPT	Papeete	21.63	97	LR	LR	08 15 12.7	
PPT2	Papeete2	21.63	97	LR	LR	08 14 04.7	
TBI	Tubuai	22.52	112	eLQ	LQ	08 13 38.9	
TBI	Tubuai	22.52	112	eLR	LR	08 14 35.5	
OUZ	Omahuta	22.99	211	eP	P	08 09 37.3	-0.1
URZ	Urewera	24.08	201	eP	P	08 09 49.0	+1.2
URZ	Urewera	24.08	201	eS	S	08 10 41.9	-0.7
URZ	Urewera	24.08	201	P	P	08 09 49.0	+1.2
URZ	Urewera	24.08	201	S	S	08 14 01.9	-0.7
HIZ	Haiti	25.15	205	eP	P	08 09 58.1	+0.6
THZ	Topohouse	28.70	204	eP	P	08 10 31.1	+1.6
KHZ	Kahutara	29.03	202	eP	P	08 10 31.7	-0.6
LTX	Lake Taylor	29.82	203	eP	P	08 10 40.2	+0.8
OXZ	Oxford	30.37	203	eP	P	08 10 43.2	-1.0
RPZ	Rata Peaks	31.08	204	eP	P	08 10 50.9	+0.4
RPZ	Rata Peaks	31.08	204	eP	P	08 10 54.8	+4.3
RPZ	Rata Peaks	31.08	204	P	P	08 10 54.7	+4.3
TAOE	Nuku Hiva Isla	31.99	81	eLR	LR	08 16 59.9	
RKT	Rikitea	35.62	107	eLR	LR	08 20 43.5	
CTA	Charters Tower	39.71	258	P	P	08 12 03.8	-1.2
KIP	Kipapa	39.72	211	eP	P	08 12 04.9	+0.1
TOO	Toolangi	43.03	232	eP	P	08 12 31.4	-0.6
TOO	Toolangi	43.03	232	eP	P	08 12 31.4	-0.6
COEN	Coen	43.18	267	eP	P	08 12 32.3	-1.1
STKA	Stevens Creek	44.80	241	eP	P	08 12 45.2	-1.0
STKA	Stevens Creek	44.80	241	eP	P	08 12 45.2	-1.0
STKA	Stevens Creek	44.80	241	P	P	08 12 44.8	-1.4
BBOO	Bucklebooo	49.57	240	eP	P	08 13 23.3	-0.1
WB2	Warramunga Arr	50.89	257	eP	P	08 13 31.7	-1.9
WRAB	Tennant Creek	50.90	257	eP	P	08 13 31.8	-1.8
WRAB	Tennant Creek	50.90	257	eP	P	08 13 32.0	-1.6
WRA	Warramunga Arr	50.91	257	eP	P	08 13 31.7	-2.0
WRA	Warramunga Arr	50.91	257	P	P	08 13 31.7	-2.0
AS01	Alice Springs	51.05	252	eP	P	08 13 33.4	-1.4
AS01	Alice Springs	51.05	252	eP	P	08 13 33.5	-1.6
AS31	Alice Springs	51.09	252	eP	P	08 20 48.9	-1.4
ASAR	Alice Springs	51.09	252	P	P	08 13 33.4	-1.7
ASAR	Alice Springs	51.09	252	S	S	08 20 48.9	-1.5
FITZ	Fitzroy Crossi	59.29	258	eP	P	08 14 34.5	+0.2
FITZ	Fitzroy Crossi	59.29	258	P	P	08 14 34.3	+0.1
SOEI	Soe	62.13	267	eP	P	08 14 54.5	+0.7
VNDA	Vanda	62.87	186	eP	P	08 14 59.0	+1.4
VNDA	Vanda	62.87	186	P	P	08 14 59.0	+1.4

MBWA	Marble Bar	64.37	254	eP	P	08 15 08.6	+0.2
NWAO	Narrogin (SRO)	65.39	241	P	P	08 15 15.2	+0.3
MJAR	Matsushiro Arr	70.22	319	P	P	08 15 44.6	-0.5
MAJO	Matsushiro	70.22	319	eP	P	08 15 44.6	-0.5
MAJO	Matsushiro	70.22	319	eP	P	08 15 44.4	-0.7
CASY	Casey	70.35	205	eP	P	08 15 45.9	+0.5
KMRM	Mail Ridge	71.81	37	eP	P	08 15 55.5	+0.8
VES	Vesta, Richgr	71.95	43	P	P	08 15 55.6	+0.1
BFSO	Mount Baldy Ra	71.98	45	eP	P	08 15 56.4	+0.4
MONPZ	Monument Peak	72.09	47	P	P	08 15 56.8	+0.1
EDWZ	Edwards Air Fo	72.12	44	P	P	08 15 56.9	+0.2
JAGI	Jajaj, Banyuwa	72.14	266	eP	P	08 15 56.5	-0.7
IKP	In-Ko-Pah, Jac	72.17	47	P	P	08 15 57.5	+0.4
ISA	Isabella, Lake	72.25	44	eP	P	08 15 57.5	0.0
ISA	Isabella, Lake	72.25	44	eS	S	08 25 17.2	-0.4
ISA	Isabella, Lake	72.25	44	eS	S	08 15 57.5	0.0
ISA	Isabella, Lake	72.25	44	eP	P	08 25 17.2	-0.4
ISA	Isabella, Lake	72.25	44	P	P	08 15 58.0	+0.5
O02D	Mt. Diablo Mer	72.32	38	P	P	08 15 58.5	+0.7
CMB	Columbia Colle	72.43	41	eP	P	08 15 58.5	+0.1
CMB	Columbia Colle	72.43	41	eP	P	08 15 58.5	+0.1
PFO	Pinyon Flats O	72.46	46	P	P	08 15 58.4	-0.4
SWSC	Sam W. Stewart	72.55	47	P	P	08 15 59.4	+0.2
AFM	Forest Hills D	72.63	40	P	P	08 15 57.1	-2.5
LRDC	Laurel Mtn Rad	72.67	44	P	P	08 15 00.5	+0.4
ORV	Oroville	72.69	39	eP	P	08 15 59.5	-0.4
ORV	Oroville	72.69	39	eP	P	08 15 59.5	-0.4
WDC	Whiskeytown Da	72.72	37	eP	P	08 16 00.5	+0.4
WDC	Whiskeytown Da	72.72	37	eP	P	08 16 00.5	+0.4
N02D	Trinity Center	72.88	37	P	P	08 16 01.4	+0.4
CWC	Cottonwood Cre	72.96	43	P	P	08 16 01.8	0.0
O03E	Oyama Creek	72.97	38	P	P	08 16 01.5	-0.1
BELC	Belle Mtn. Jos	72.98	46	P	P	08 16 02.0	0.0
MDPB	Devils Postpil	73.02	42	eP	P	08 16 02.0	-0.2
OMMB	Old Mammoth M	73.06	42	eP	P	08 16 02.7	+0.2
M02C	Callahan	73.06	37	P	P	08 16 02.7	+0.5
MPMC	Manual Prospec	73.13	44	P	P	08 16 02.4	-0.4
GSC	Goldstone, Bar	73.16	45	eP	P	08 16 03.3	+0.4
GSC	Goldstone, Bar	73.16	45	eP	P	08 16 02.9	0.0
BC3	Big Chuckwall	73.18	47	P	P	08 16 03.3	+0.3
DAC	Darwin (Calif)	73.19	43	eP	P	08 16 02.2	-1.0
DAC	Darwin (Calif)	73.19	43	eP	P	08 16 02.2	-1.0
HAC	Hector Ludlow	73.22	45	P	P	08 16 03.6	+0.3
TIN	Tinemaha, Big	73.22	42	P	P	08 16 03.6	+0.4
GLA	Glenns Rang	73.30	48	P	P	08 16 04.5	+0.8
WAKR	Walker	73.31	41	eP	P	08 16 03.9	+0.1
K02D	Willamette Mer	73.46	35	P	P	08 16 05.0	+0.5
PNTR	Pine Nut	73.56	40	eP	P	08 16 04.8	-0.5
BEKR	Beckworth	73.57	39	eP	P	08 16 05.9	+0.6
PETK	Petrovavlovsk-	73.62	342	P	P	08 16 07.4	-0.4
J01E	Myrtle Point	73.62	35	P	P	08 16 06.6	+1.3
PEA1	Petrovavlovsk-	73.62	342	eP	P	08 16 07.4	-0.4
GMRC	Granite Mounta	73.66	46	P	P	08 16 06.2	+0.4
VNCR	Virginia City	73.66	40	eP	P	08 16 06.4	+0.5
IRM	Iron Mountain	73.67	46	P	P	08 16 06.1	+0.2
YERR	Yerington	73.72	40	eP	P	08 16 06.8	+0.5
GRAC	Gravine Rang	73.75	43	P	P	08 16 06.6	+0.3
FURC	Furnace Creek,	73.78	44	P	P	08 16 06.9	+0.5
TUQ	Turquoise Moun	73.83	45	P	P	08 16 07.3	+0.4
SHOC	Shoshone, Tecc	73.85	44	P	P	08 16 07.4	+0.6
Y12C	Blythe	73.89	47	P	P	08 16 07.4	+0.3
M04C	Macdoel	73.90	37	P	P	08 16 07.7	+0.5
L04D	Klamath Falls	73.91	36	P	P	08 16 07.6	+0.4
RYN	Ryan	73.96	41	eP	P	08 16 08.3	+0.7
NV01	Mina Array Sit	73.98	41	eP	P	08 16 07.3	-0.5
NVAR	Mina Array Bea	73.98	41	P	P	08 16 08.1	+0.3
QSPA	South Pole Qui	74.01	180	eP	P	08 16 08.3	



6d 8h

Table with columns: SPUT, South Promonto, 79.32, 41, eP, P, 08 16 38.5 +0.6, etc.

2013 FEB

Table with columns: LOHW, Long Hallow, 81.70, 40, eP, P, 08 16 50.8 +0.2, etc.

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Table with columns: CBKS, Cedar Bluff, 86.79, 48, eP, P, 08 17 16.5 +0.1, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CTAO Charters Tower, COEN Coen, ARMA Armidale, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H11S2 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like URZ Urewera, BKZ Black Stump Fm, STKA Stephens Creek, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, H11N1 WAKE ISLAND Hy, H11N2 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRAB Tennant Creek, WB2 Warramunga Arr, WR1 Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, AS01 Alice Springs, AS31 Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, RPZ Rata, BB00 Buckleboo, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like EDIF Edine, PPT2 Papeete, TBI Tubuai, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BNSI Bone, NWA0 Narrigin (SRO), NWA0 Narrigin, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MJAR Matushiro Arr, MAJO Matushiro, MAJS Matsushiro, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAJ Asahikawa, KSRS Korea Array, KS01 Wonju Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KS01 Wonju Array, KS02 Nanjing, US00B Ussuriysk Arra, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like USRK Ussuriysk Arr, MDJ Mudanjiang, MDJ Mudanjiang, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PETK Petropavlovsk, PE01 Petropavlovsk, CN2 Chanchung, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CANY Casey, SKNT Sakonkale, KLR Kuldur, etc.











Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like KHC, GEC2, GERES, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like HNR, DZM, LHI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like URZ, STKA, STKA, etc.

TAP 06:08:47:46.0, 22.91N, 121.16E, h19km, 1km, ML2.6, B.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like TWGBT, TWGBT, TWG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like NV01, NVAR, MK32, etc.

ISC/JB 06:08:53:49.7, 0.8, 1.0, 23S, 0.08, 165.86E, 0.08, h10km, mb4.1/13, Error ellipse: s-maj=14.3km s-min=8.0km

NEIC 06:08:53:49.4, 1.5, 1.0, 13S, 165.94E, h0km, mb4.0/9, mb1.4, 1/11, mb1mx3.9/47, mbtmp4.1/11, ML4.5/2, Error ellipse: s-maj=31.9km s-min=23.4km az=72.0

NEIC 06:08:53:51.5, 0.8, 1.0, 15S, 165.84E, h10km, mb4.1/4, Error ellipse: s-maj=16.9km s-min=8.8km az=62.0

ISC 06:08:53:50.3, 0.9, 1.0, 15S, 166.01E, 0.09, h10km, n31, r129/27, mb4.0/13, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like HNR, DZM, MARC, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like URZ, STKA, STKA, etc.

ISC 06:08:59:06.8, 1.1, 1.0, 86S, 164.68E, h0km, mb3.9/6, mb1.4, 2/8, mb1mx3.8/49, mbtmp3.9/6, ML3.6/2, Error ellipse: s-maj=45.1km s-min=22.3km az=140.0

ISC/JB 06:08:59:06.0, 0.8, 1.1, 5S, 164.7E, 0.1, h29km, mb3.9/6, Error ellipse: s-maj=22.1km s-min=15.9km az=35.4

ISC 06:08:59:11.2, 0.9, 1.1, 10S, 0.1, 164.7E, 0.2, h29km, n12, r054/9, mb3.8/6, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like DZM, CTA, H11S2, etc.

ISC/JB 06:09:00:09.2, 0.3, 2.4, 43N, 0.01, 122.00E, 0.01, h3km, 2km, Error ellipse: s-maj=2.2km s-min=1.9km az=160.0

JMA 06:09:00:09.7, 0.1, 2.4, 40N, 121.96E, h16km, 5km, M3.8

TAP 06:09:00:09.7, 2.4, 44N, 121.98E, h14km, ML4.2, B

ASIES 06:09:00:10.3, 2.4, 40N, 121.89E, h20km, MW3.4

BUI 06:09:00:19.9, 2.5, 05N, 121.27E, h15km, ML3.9/4, Ms3.9/1, M57.3/9

ISC 06:09:00:09.7, 0.8, 2.4, 245N, 0.02, 122.00E, 0.02, h16km, 5km, n120, r190/18, 25C-21, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like E0S1, TWC, TWC, etc.

ISC 06:08:50:51.2, 1.3, 1.0, 83S, 165.05E, h0km, mb3.6/4, mb1.4, 0/5, mb1mx3.6/43, mbtmp3.7/5, ML4.1/1, Error ellipse: s-maj=50.1km s-min=26.3km az=137.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like DZM, WRA, ASAR, etc.

ISC/JB 06:08:51:46.7, 0.4, 1.1, 70S, 0.08, 165.04E, 0.09, h10km, mb4.1/14, Error ellipse: s-maj=12.4km s-min=10.9km az=21.4

ISC/JB 06:08:55:46.7, 0.3, 1.1, 11S, 0.05, 165.71E, 0.06, h10km, mb4.3/30, Error ellipse: s-maj=8.7km s-min=6.7km az=0.3

ISC 06:08:55:46.7, 0.6, 1.1, 05S, 165.75E, h0km, mb4.3/20, mb1.4, 5/22, mb1mx4.3/47, mbtmp4.3/22, ML4.9/2, Error ellipse: s-maj=18.2km s-min=14.4km az=115.0

NEIC 06:08:55:48.3, 0.2, 1.1, 04S, 165.75E, h10km, mb4.7/16, Error ellipse: s-maj=6.4km s-min=5.1km az=99.0

ISC 06:08:55:48.2, 0.5, 1.1, 11S, 0.07, 166.31E, 0.09, h10km, n56, r125/6/1, mb4.5/30, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, h, m, s, Res, ISC. Includes stations like HNR, DZM, ONTNC, etc.

NACB	Ninganchiao	0.46 234	↑P	Pg	09 00 18.5 -0.5
NACB			S	Sg	09 00 24.7 -0.5
NDT	Datong Townshi	0.47 289	↑P	Pb	09 00 19.2 -0.3
NDT			S	Sg	09 00 25.0 -0.5
ETLH	Xiulin Townshi	0.53 243	↑P	Pg	09 00 19.8 -0.5
ETLH			eS	Sg	09 00 27.2 -0.3
TIPB	Shuangxi	0.54 343	↑P	Pb	09 00 20.8 -0.1
TIPB			S	Sg	09 00 27.7 -0.1
TWB1	Santiao Chiao	0.56 359	↑P	Pg	09 00 20.9 +0.2
TWB1			eS	Pb	09 00 28.0 -0.1
NWLT	Wulai	0.56 306	↑P	Pb	09 00 20.9 -0.2
NWLT			eS	Sb	09 00 28.3 -0.6
NNSB	Datong	0.57 268	↑P	Pg	09 00 20.6 -0.3
NNSB			S	Sg	09 00 27.4 -1.1
NNS	Nan Shan	0.57 269	↑P	Pg	09 00 20.8 -0.3
NNS			iS	Sg	09 00 27.7 -1.1
HWA	Hwallien	0.59 218	eP	Pb	09 00 21.9 +0.2
YHNB	Yeheng	0.61 291	↑P	Pb	09 00 21.9 -0.1
YHNB			S	Sg	09 00 29.1 -0.9
NSK	Sanguang	0.63 291	↑P	Pb	09 00 22.1 -0.1
NSK			S	Sg	09 00 29.4 -1.1
NWF	Wu-fen Shan	0.65 342	↑P	Pb	09 00 23.1 +0.4
NWF			iS	Sb	09 00 31.7 +0.2
WFSB	Wu-fen Shan	0.65 342	↑P	Pb	09 00 23.2 +0.6
WFSB			S	Sb	09 00 31.8 +0.3
TWA	Mucha	0.65 324	↑P	Pb	09 00 23.0 +0.3
TWA			S	Sb	09 00 32.0 +0.5
ENLB	Shoufeng	0.66 214	P	Pb	09 00 23.4 +0.5
NHND	Xindian Distri	0.67 320	eP	Pb	09 00 23.4 +0.5
TATO	Taipei	0.70 318	↑P	Pb	09 00 24.1 +0.6
TATO			S	Sg	09 00 32.4 -0.4
WHF	Hehuan Shan	0.74 246	↑P	Pb	09 00 23.6 -0.6
WHF			S	Sg	09 00 34.0 -0.3
TWT	Tachien	0.78 256	↑P	Pb	09 00 24.9 0.0
TWT			eS	Sg	09 00 34.7 -0.6
WLTB	Daxi	0.79 301	P	Pn	09 00 26.3 +0.1
WLTB			eS	Sb	09 00 36.8 -0.8
TDCB	Techi	0.80 256	↑P	Pb	09 00 25.1 -0.1
TDCB			S	Sg	09 00 34.4 -1.4
YM01	YM01	0.80 330	↑P	Pn	09 00 26.1 -0.1
YM01			S	Sn	09 00 38.0 +0.2
YM11	YM11	0.81 331	↑P	Pn	09 00 26.3 -0.2
YM11			eS	Sb	09 00 38.2 -0.1
YM05	YM05	0.81 331	↑P	Pb	09 00 26.3 +0.8
YM05			eS	Sb	09 00 37.6 +1.3
YM04	YM04	0.82 329	↑P	Pn	09 00 26.4 -0.2
YM04			eS	Sb	09 00 38.3 +0.3
ESL	Shilin	0.82 220	↑P	Pg	09 00 24.9 -0.7
YM08	YM08	0.82 333	↑P	Pb	09 00 26.2 +0.6
YM08			S	Sb	09 00 38.2 -0.3
TWS1	Kuangyinshan	0.84 321	eP	Pn	09 00 27.1 +0.4
TWS1			eS	Sb	09 00 39.3 +0.6
CHGB	Renai	0.85 243	↑P	Pg	09 00 26.0 -0.3
CHGB			S	Sg	09 00 36.9 -0.6
JYNG	Yonagunijimaku	0.86 90	P	Pg	09 00 26.5 +0.1
JYNG			S	Sg	09 00 38.4 +0.7
NTST	Danshui	0.87 325	eP	Pn	09 00 27.4 +0.2
NTST			eS	Sb	09 00 40.9 +1.4
TWY	Chenhua	0.90 336	↑P	Pn	09 00 27.8 +0.2
TWY			eS	Sb	09 00 41.2 +0.9
OWD	Renai	0.90 237	↑P	Pg	09 00 27.7 -0.5
NCU	National Centr	0.91 305	P	Pn	09 00 28.4 +0.7
NCU			eS	Sb	09 00 42.2 +1.8
NCUH	Zhongli	0.91 305	↑P	Pn	09 00 28.6 +0.9
NCUH			eS	Sb	09 00 41.6 +1.2
YOJ	Yonaguni jima	0.92 89	↑P	Pg	09 00 27.3 -0.2
YOJ			eS	Sg	09 00 38.8 -0.8
YOJ	Yonaguni jima	0.92 89	P	Pg	09 00 27.5 0.0
YOJ			S	Sg	09 00 39.7 +0.1
LIOB	Emei	0.92 282	↑P	Pb	09 00 27.7 +0.5
LIOB			S	Sg	09 00 38.9 -0.8
NSTT	Nanjuang	0.93 281	↑P	Pn	09 00 28.2 +0.1
NSTT			S	Sg	09 00 39.1 -0.8
EGFH	Guangfu	0.94 214	↑P	Pg	09 00 27.3 -0.6
WHP	Taichung City	0.98 260	↑P	Pb	09 00 28.9 +0.1
WHP			S	Sb	09 00 40.8 -0.2
SBCB	Hsinchu	0.99 290	P	Pn	09 00 30.1 +1.3
SBCB			eS	Sb	09 00 42.7 +0.3
HSN	Hsinchu	1.00 291	eP	Pn	09 00 29.9 +0.8
HSN			eS	Sb	09 00 43.0 +0.2
VWDT	VWDT	1.05 229	↑P	Pb	09 00 29.1 -0.3
VWDT			eS	Sb	09 00 44.7 +0.8
HGSD	Ruisui	1.09 209	↑P	Pn	09 00 31.0 +0.8
HGSD			eS	Sb	09 00 47.9 +2.9
NMLH	Miaoili	1.11 275	eP	Pn	09 00 31.9 +1.5
TWQ1	Liyutan	1.13 265	↑P	Pn	09 00 31.8 +1.1

TWQ1			S	Sn	09 00 45.8 0.0
NSY	Sanyi	1.13 269	eP	Pg	09 00 31.8 +0.2
SMLT	Sun Doon Lake	1.16 241	↑P	Pn	09 00 31.6 +0.4
SMLT			eS	Sb	09 00 46.9 +0.2
SSLB	Suanguang	1.16 236	↑P	Pb	09 00 31.3 -0.1
SSLB			S	Sb	09 00 45.1 -1.2
PCYT	Pengchayiu	1.18 3	eP	Pg	09 00 32.8 +0.4
TYC	Yuchr	1.18 243	↑P	Pb	09 00 31.6 0.0
PTSB	Yuanli	1.18 270	eP	Pn	09 00 33.2 +0.7
PTSB			eS	Sb	09 00 48.4 +1.2
YULB	Yu-ii	1.24 212	eP	Pn	09 00 32.1 -0.1
YULB			eS	Sg	09 00 50.5 +0.8
WDJ	Dajia District	1.25 266	eP	Pg	09 00 33.9 +0.2
WDJ			eS	Sg	09 00 50.7 +0.7
TCU	Taichung	1.25 256	eP	Pg	09 00 34.5 +0.7
TCU			eS	Sg	09 00 51.4 +1.4
TWF1	Yuli	1.27 211	eP	Pn	09 00 32.6 -0.1
WHYT	Xinyi Township	1.29 235	eP	Pb	09 00 34.0 +0.4
WJS	Zhushan	1.32 242	eP	Pg	09 00 35.3 +0.2
WNT	Mingjian	1.33 245	eP	Pg	09 00 35.9 +0.5
WNT			eS	Sg	09 00 54.5 +1.7
WCHH	Zhanghua	1.37 255	eP	Pg	09 00 36.5 +0.4
CHKT	Chengkung	1.47 204	eP	Pn	09 00 34.8 -0.6
CHNS	Tsauling	1.48 235	P	Pg	09 00 38.1 -0.1
CHNS			eS	Sg	09 01 00.6 +3.1
WGK	Gukung	1.52 240	eP	Pg	09 00 38.9 0.0
WDLH	Douliu	1.54 241	eP	Pn	09 00 39.3 0.0
ELDTW	Lidau	1.55 216	eP	Pg	09 00 36.9 +0.3
IRIF	Iriomote-Funau	1.58 94	P	Pn	09 00 36.8 -0.1
IRIF			S	Sb	09 00 56.5 -0.5
RLNB	Erlin	1.60 250	eP	Sg	09 00 39.3 +0.5
RLNB			eS	Sg	09 01 01.0 -0.3
CHNZ	Minshung	1.67 237	eP	Pg	09 00 41.3 -0.4
WTCT	Ta-ch'eng	1.68 250	eP	Pb	09 00 40.7 +0.6
HATJ	Hateruma jima	1.69 103	P	Pn	09 00 39.5 +1.0
HATJ			eS	Sb	09 01 00.3 +0.5
CHN4	Tsaushan	1.69 230	P	Pn	09 00 41.3 -0.9
CHN4			eS	Sg	09 01 05.8 +1.6
TPUB	Ta-pu	1.70 228	↑P	Pb	09 00 40.6 +0.1
TPUB			eS	Sg	09 01 05.2 +0.7
STYT	Tauyuan	1.72 222	eP	Pb	09 00 40.5 -0.4
CHY	Chiayi	1.73 237	eP	Pn	09 00 41.6 +0.6
WTP	Ta-pu	1.75 227	eP	Pb	09 00 42.0 +0.7
WSF	Shan-shan	1.82 244	eP	Pb	09 00 42.9 +0.4
TWK	Hsiyung	1.82 230	eP	Pb	09 00 42.9 +0.3
TWG	Pingung	1.83 208	eP	Pn	09 00 40.4 -0.1
TWGBT	Beinan	1.83 208	eP	Pn	09 00 39.6 -0.8
WLGB	Puzi	1.83 238	eP	Pb	09 00 43.7 +0.9
JKRS	Kuro-shima	1.84 96	P	Pn	09 00 41.2 +0.6
JKRS			S	Sb	09 01 03.8 +0.3
SNST	Tainan City	1.84 229	eP	Pn	09 00 44.0 +1.0
CHN1	Nanshi	1.85 227	eP	Pb	09 00 43.6 +0.6
SLGT	Liugui	1.91 221	eP	Pb	09 00 44.5 +0.4
JJU	Ishigaki jima	1.95 92	P	Pn	09 00 42.5 +0.4
JJU			S	Sb	09 01 05.1 -1.1
JISG	Ishigakijimahi	2.11 86	P	Pn	09 00 44.2 0.0
JISG			S	Sb	09 01 09.7 -0.3
SSD	Sandimen	2.11 217	eP	Pb	09 00 47.0 -0.6
TWMI	Shoushan	2.17 222	eP	Pb	09 00 48.5 -0.1
MASBT	Mashibuluo	2.22 215	eP	Pb	09 00 48.6 -0.8
PTTC	Pingtian	2.28 298	eP	Pn	09 00 47.4 +0.8
EAST	Anshuo	2.31 208	eP	Pn	09 00 48.0 +0.9
SSPT	Xinbi	2.36 214	eP	Pb	09 00 51.4 -0.3
VWUC	VWUC	2.38 284	eP	Pn	09 00 48.5 +0.5
PNG	Penghu	2.41 249	eP	Pn	09 00 49.5 +1.2
PHUB	Peng-hu	2.41 248	eP	Pn	09 00 49.7 +1.3
SCZT	Fangliang	2.43 212	eP	Pb	09 00 52.4 -0.6
LAY	Lan-yu	2.44 190	eP	Pn	09 00 47.8 -1.0
WDGT	Dungli	2.45 242	eP	Pn	09 00 50.9 +1.9
JTJ	Tarama	2.46 85	P	Pn	09 00 50.2 +1.1
JTJ			eS	Sb	09 01 19.7 +0.8
MATB	Ma-tsu	2.52 313	eP	Pn	09 00 50.1 +0.3
VCHM	Gimei	2.66 243	eP	Pn	09 00 53.6 +1.8
PTMZ	Houxiangcun	2.69 283	eP	Pn	09 00 53.0 +0.8
TWK1	Hengchun	2.73 204	eP	Pn	09 00 52.8 +0.1
TWKBT	Hengchun	2.73 204	eP	Pn	09 00 53.0 +0.2
LYJJ	Jianjiangzhen	2.91 316	eP	Pn	09 00 55.4 +0.1
XPSS	Dashiqi	2.96 327	eP	Pn	09 00 56.6 +0.7
MHZO	Yeshan	3.15 302	eP	Pn	09 00 59.0 +0.5
KNM	Kinmen	3.25 270	eP	Pn	09 01 03.4 +3.4
KNMB	Chin-men Tao	3.29 271	eP	Pn	09 01 01.1 +0.6
AXDP	Jialiang	3.70 278	eP	Pn	09 01 07.5 +1.4
HHC	Hu-ho-hao-te	18.54 334	eP	S	09 04 27.5 +1.7
HHC			LR	LR	09 07 44.7 -8.1
HHC	comp=N,32nm,4.8s		LR	LR	
HHC	comp=E,140nm,6.1s		LR	LR	
HHC	comp=Z,180nm,6.1s		LR	LR	

mb4.3/28, Error ellipse: s-maj=8.2km s-min=5.3km az=156.8  
 NEIC 06 09:02:24.7±0.8, 0.99N, 126.09E, h39km, mb4.5/14, Error ellipse: s-maj=7.5km s-min=5.6km az=65.0  
 DJA 06 09:02:27.3±1.3, 1°N, 9°12'6E, h37km, 27km, M4.5/8, mb4.8/2, mB5.2/1, MLv4.3/8, Mw(mB)4.5/1  
 ISC 06 09:02:25.4±0.5, 1.02N, 07.126E, 0.04, h44km, n65, az=154.70, mb4.4/31, Northern Molucca Sea

Code	Station Name	Δ°	AZ°	Op	ISC	Time	Res
						h m s	ISC
TNTI	Ternate	1.21	102	ePn	Pn	09 02 46.2 +0.3	
TNTI				eSn	Pn	09 03 04.9 +3.9	
TNTI	Ternate	1.21	102	S	Sn	09 02 47.5 +1.6	
TNTI				P	Sn	09 03 04.7 +3.6	
KMSI	Cibinong	2.25	259	P	Pn	09 03 02.7 +2.5	
KMSI				S	Sn	09 03 30.7 +4.1	
SANI	Sanana	3.06	184	P	Pn	09 03 12.4 +1.2	
LUWI	Luwuk	3.98	239	ePn	Pn	09 03 22.8 -1.1	
LUWI	Luwuk	3.98	239	P	Pn	09 03 28.4 +4.5	
MRSI	Marisa	4.28	263	P	Pn	09 03 30.9 +2.9	
APSI	Ampana	4.92	247	P	Pn	09 03 40.4 +3.5	
FAKI	Fak Fak	7.22	123	ePn	Pn	09 04 09.1 +0.7	
SAUI	Saumlaki	10.30	150	ePn	Pn	09 04 49.4 -1.3	
KKM	Kota Kinabalu	11.13	297	ePn	Pn	09 05 00.2 -1.9	
JAGI	Jajang, Banyuwu	15.26	232	ePn	Pn	09 05 56.6 -1.3	
KSM	Kuning	15.88	272	ePn	P	09 06 12.4 +3.3	
FITZ	Fitzroy Crossi	19.01	182	eP	P	09 06 40.9 -2.6	
FITZ							
FITZ	Fitzroy Crossi	19.01	182	P	P	09 06 43.2 -0.3	
WRAB	Tennant Creek	22.31	159	eP	P	09 07 19.2 -0.1	
WR1	Warramunga Arr	22.32	159	eP	P	09 07 19.1 -0.3	
WRA	Warramunga Arr	22.32	159	P	P	09 07 19.1 -0.3	
WB2	Warramunga Arr	22.32	159	eP	P	09 07	

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WAKE ISLAND Hy 29.09, WAKE ISLAND Hy 29.11, etc.

ISCJB 06 09:03:18.8±0.5, 39.69N, 0.02±25.60E, 0.02, h5km, 3km, Error ellipse: s-maj=3.3km s-min=2.8km az=34.9

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BOZC Bozcaada, LIA Limnos Island, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GELI Tayfur-Gelibol, LPK Lapseki, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like OUR Ouranopolis, AOS Alonnissos, etc.

IDC 06 09:03:32.0±3.5, 11.47S, 165.36E, h0km, mb4.2/4, mb1 4.4/4, mb1mx3.8/49, mbtmp4.1/4, Error ellipse: s-maj=14.2km s-min=32.4km az=137.0, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 06 09:04:54.1±1.1, 11.17S, 165.36E, h0km, mb3.9/5, mb1 4.3/6, mb1mx3.8/49, mbtmp4.0/6, ML3.0/1, Error ellipse: s-maj=51.2km s-min=23.4km az=137.0, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, etc.

IDC 06 09:07:53.7±1.3, 10.63S, 165.49E, h0km, mb3.7/5, mb1 4.0/7, mb1mx3.7/47, mbtmp3.9/7, ML4.0/2, Error ellipse: s-maj=40.9km s-min=24.3km az=141.0

ISCJB 06 09:07:56.7±1.1, 10.85S, 165.49E, 0.1, h31km, mb3.7/5, Error ellipse: s-maj=21.0km s-min=18.7km az=143.8

ISC 06 09:07:58.5±1.1, 10.75S, 165.49E, 0.2, h31km, n7, s=1287, mb3.8/5, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

ISCJB 06 09:08:02.0±0.6, 64.71N, 0.03±30.69E, 0.10, h0km, Error ellipse: s-maj=6.2km s-min=3.7km az=22.5

MOS 06 09:08:03.0±0.4, 64.71N, 30.60E, M2.7, Industrial explosion after: The Earthquakes of Russia in 2012. Obninsk, GS (IAS, 224p + CD-R08, 2014)

KOLA 06 09:08:04.9, 64.77N, 30.28E, h0km NAO 06 09:08:05.3±1.5, 64.75N, 30.12E, ML2.9 HEL 06 09:08:05.0±0.2, 64.75N, 30.59E, h0km, ML2.0, Explosion UPP 06 09:08:06.1±2.8, 64.67N, 30.30E, h0km, ML1.8, Suspected explosion

BER 06 09:08:06.0±0.6, 64.79N, 30.16E, h0km, ML2.1(NAO), Suspected explosion

ISC 06 09:08:03.4±1.0, 64.71N, 0.03±30.63E, 0.05, h0km, n31, s=2114/9, Finland-Karelia border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KU6 Riekkii, MAASEKA Maaseka, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SJUU Sjuksmark, ERTU Ertjaerv, etc.

IDC 06 09:09:17.9±0.8, 10.95S, 165.40E, h0km, mb4.2/13, mb1 4.3/15, mb1mx4.1/47, mbtmp4.2/15, ML4.5/2, Error ellipse: s-maj=22.3km s-min=16.9km az=140.0

NEIC 06 09:09:19.1±0.3, 10.95S, 165.33E, h10km, mb4.6/13, Error ellipse: s-maj=6.7km s-min=6.0km az=101.0

ISCJB 06 09:20:40.3, 11.08S, 165.30E, 0.05, h30km, mb4.4/25, Error ellipse: s-maj=8.0km s-min=6.8km az=32.7

ISC 06 09:20:22.0±0.6, 10.95S, 165.37E, 0.08, h30km, n43, s=92/45, mb4.4/25, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HNR Honiara, HNR Honiara, etc.

ISC 06 09:20:22.0±0.6, 10.95S, 165.37E, 0.08, h30km, n43, s=92/45, mb4.4/25, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HNR Honiara, HNR Honiara, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASO1 Alice Springs, AS31 Alice Springs, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NV01 Mina Array Sit, NVAR Mina Array Bea, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CCUT Cedar City, MK32 Makanchi Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, etc.

IDC 06 09:11:11.9±1.4, 10.85S, 165.55E, h0km, mb3.6/4, mb1 4.0/5, mb1mx3.6/45, mbtmp3.7/5, ML4.1/1, Error ellipse: s-maj=53.6km s-min=27.8km az=130.0, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HNR Honiara, HNR Honiara, etc.









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6d 9h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Alice Springs, Alice Springs, ARCS, ARCS, YKA, YKB5, NV01, NVAR, PD31, PDAR, LTX, LTX, TXAR, TOA1, TORO, TORO.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, ILAR, MKAR.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, URZ, WRA, ASAR, ILAR, MKAR, YKA.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR, MARNC, DZM, PINNC, RABUL, NONS, PATS, MANU, KWAJ, CTA, CTAO, COEN, H11S2, H11S3, H11S1, STKA, STKA, H11N1, H11N3, H11N2, WRAB, WB2, WRA, AS31, ASAR, BBOO, FITZ, USRUK, SONAO, SONM, HDA, ILAR, ILAR, ILB, SCRK, MK01, MK32, MKAR, YKA, YKB5, PTGA.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR, MARNC, DZM, PINNC, RABUL, NONS, PATS, MANU, KWAJ, CTA, CTAO, COEN, H11S2, H11S3, H11S1, STKA, STKA, H11N1, H11N3, H11N2, WRAB, WB2, WRA, AS31, ASAR, BBOO, FITZ, USRUK, SONAO, SONM, HDA, ILAR, ILAR, ILB, SCRK, MK01, MK32, MKAR, YKA, YKB5, PTGA.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like COLA, RIDG, IL1, ILAR, ILB, SCRK, AFDM, BEKR, MDPB, PAHR, DAC, NV01, NVAR, KVN, Y12C, R11A, ELK, PSUT, LCMT, CCUT, KNB, U15A, HLID, X16A, MTPU, BGU, MSU, HSU, NLU, MKP1, MK01, MK32, MKAR, CPUP, STKA, ASAR, AS31, WR1, WRA, AKASO.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

ISCJB 06 09:37:16.0:0.5, 47:22S:0:08:32'E:0:2, h10km, mb4.1/1.4, MS4.0/4, Error ellipse: s-maj=16.3km s-min=8.7km az=150.6

ISC 06 09:37:16.4:0.8, 47:22S:32:59E, h0km, mb4.1/1.0,

ISC 06 09:45:00.6:1.6, 11:32S:165:74E, h0km, mb3.7/3, mb1.3/9.5, mb1mx3.6/34, mbtmp3.7/5, ML3.6/1.1, Error ellipse: s-maj=51.7km s-min=29.6km az=129.0, Santa Cruz Islands

ASAR Alice Springs 32.67 244 P P 09 51 35.3 +0.6
ILAR Eielson Array 83.78 18 P P 09 57 31.7 +0.4
MKAR Makanchi Array 93.72 317 P P 09 58 18.5 -0.9

IDC 06 09:46:50.6-9.6,5,107.65x161.65E,h125km,38km,mb3.5/4, mb1 3.7/5,mb1mx3/4/33,mbtmp4/0.5,Error ellipse: s-maj=88.2km s-min=33.4km az=131.0, Bougainville-Solomon Islands region

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 2.14 308 Op Pn 09 47 27.0 +0.7
HNR Honiara 2.14 308 P Pn 09 47 26.6 +0.3
HNR 107nm,0.3s,baz=229,slow=7.6,SNR=132

IDC 06 09:47:35.2-1.8,107.465x166.30E,h0km,mb3.8/3, mb1 4.1/4,mb1mx3/7/32,mbtmp3.9/4,ML4.3/1,Error ellipse: s-maj=57.2km s-min=30.8km az=127.0,Santa Cruz Islands

Code Station Name A° AZ° Phase ID Time Res DZM Mont Dzumac 11.55 179 Op Pn 09 50 21.4 -0.1
WRA Warrunguna Arr 32.20 249 P P 09 54 05.2 -0.1
ASAR Alice Springs 33.54 243 P P 09 54 17.0 0.0

IDC 06 09:53:27.4-0.8,101.99S:165.50E,h0km,mb4.2/15, mb1 4.4/17,mb1mx4.2/38,mbtmp4.2/17,ML4.7/2,Error ellipse: s-maj=22.2km s-min=16.9km az=119.0

NEIC 06 09:53:28.6-0.3,111.02S:165.53E,h10km,mb4.5/11,Error ellipse: s-maj=6.3km s-min=5.3km az=102.0

ISCJB 06 09:53:29.6-0.3,111.11S:0.05:165.51E:0.06,h30km, mb4.3/25,Error ellipse: s-maj=8.2km s-min=6.9km az=80.0

ISC 06 09:53:31.6-0.5,11.05S:0.08:165.54E:0.08,h30km,n81, n0594/51,mb4.4/25,Santa Cruz Islands

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 5.73 286 Op Pn 09 54 54.2 0.0
MARC Mare, Loyalty 10.64 167 ePn Pn 09 55 59.6 -2.4
DZM Mont Dzumac 10.99 176 ePn Pn 09 56 07.8 +0.4

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 5.73 286 Pn Pn 09 54 54.7 0.0
MARC Mare, Loyalty 10.64 167 ePn Pn 09 55 59.6 -2.4
DZM Mont Dzumac 10.99 176 ePn Pn 09 56 07.8 +0.4

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 5.73 286 Pn Pn 09 54 54.7 0.0
MARC Mare, Loyalty 10.64 167 ePn Pn 09 55 59.6 -2.4
DZM Mont Dzumac 10.99 176 ePn Pn 09 56 07.8 +0.4

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 5.73 286 Pn Pn 09 54 54.7 0.0
MARC Mare, Loyalty 10.64 167 ePn Pn 09 55 59.6 -2.4
DZM Mont Dzumac 10.99 176 ePn Pn 09 56 07.8 +0.4

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 5.73 286 Pn Pn 09 54 54.7 0.0
MARC Mare, Loyalty 10.64 167 ePn Pn 09 55 59.6 -2.4
DZM Mont Dzumac 10.99 176 ePn Pn 09 56 07.8 +0.4

ISCJB 06 09:54:01.9-0.3,11.20S:0.04:165.86E:0.04,h10km, mb4.6/40,Error ellipse: s-maj=6.3km s-min=5.6km az=4.4

IDC 06 09:54:01.8-0.7,11.24S:166.00E,h0km,mb4.4/14, mb1 4.5/16,mb1mx4.3/39,mbtmp4.7/16,ML4.8/2,Error ellipse: s-maj=23.8km s-min=17.4km az=115.0

NEIC 06 09:54:03.7-0.7,11.14S:165.87E,h11km,mb4.7/19, Error ellipse: s-maj=5.5km s-min=4.2km az=107.0

ISC 06 09:54:03.4-0.4,11.15S:0.06:165.91E:0.07,h10km,n84, n1503/90,mb4.8/40,Santa Cruz Islands

HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.47 169 ePn Pn 09 56 35.5 +1.8
DZM Mont Dzumac 10.87 177 ePn Pn 09 56 40.1 +0.8

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.47 169 ePn Pn 09 56 35.5 +1.8
DZM Mont Dzumac 10.87 177 ePn Pn 09 56 40.1 +0.8

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.47 169 ePn Pn 09 56 35.5 +1.8
DZM Mont Dzumac 10.87 177 ePn Pn 09 56 40.1 +0.8

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.47 169 ePn Pn 09 56 35.5 +1.8
DZM Mont Dzumac 10.87 177 ePn Pn 09 56 40.1 +0.8

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.47 169 ePn Pn 09 56 35.5 +1.8
DZM Mont Dzumac 10.87 177 ePn Pn 09 56 40.1 +0.8

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.47 169 ePn Pn 09 56 35.5 +1.8
DZM Mont Dzumac 10.87 177 ePn Pn 09 56 40.1 +0.8

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.47 169 ePn Pn 09 56 35.5 +1.8
DZM Mont Dzumac 10.87 177 ePn Pn 09 56 40.1 +0.8

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.47 169 ePn Pn 09 56 35.5 +1.8
DZM Mont Dzumac 10.87 177 ePn Pn 09 56 40.1 +0.8

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.47 169 ePn Pn 09 56 35.5 +1.8
DZM Mont Dzumac 10.87 177 ePn Pn 09 56 40.1 +0.8

ISCJB 06 09:55:39.8-0.5,11.69S:0.06:165.77E:0.06,h10km, mb4.9/15,Error ellipse: s-maj=10.2km s-min=7.2km az=99.0

IDC 06 09:55:39.9-1.4,11.65S:165.81E,h0km,mb4.1/9, mb1 4.3/10,mb1mx4.0/38,mbtmp4.1/10,Error ellipse: s-maj=43.9km s-min=23.7km az=113.0

NEIC 06 09:55:41.5-0.3,11.62S:165.80E,h10km,mb4.2/6,Error ellipse: s-maj=7.1km s-min=6.1km az=65.0

ISC 06 09:55:41.0-0.6,11.62S:0.09:165.82E:0.08,h10km,n34, n0568/36,mb4.1/15,Santa Cruz Islands

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.17 290 ePn Pn 09 57 12.5 -0.1

HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.03 168 ePn Pn 09 58 06.6 +1.0
DZM Mont Dzumac 10.41 177 ePn Pn 09 58 11.4 +0.5

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.03 168 ePn Pn 09 58 06.6 +1.0
DZM Mont Dzumac 10.41 177 ePn Pn 09 58 11.4 +0.5

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.03 168 ePn Pn 09 58 06.6 +1.0
DZM Mont Dzumac 10.41 177 ePn Pn 09 58 11.4 +0.5

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.03 168 ePn Pn 09 58 06.6 +1.0
DZM Mont Dzumac 10.41 177 ePn Pn 09 58 11.4 +0.5

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.03 168 ePn Pn 09 58 06.6 +1.0
DZM Mont Dzumac 10.41 177 ePn Pn 09 58 11.4 +0.5

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.03 168 ePn Pn 09 58 06.6 +1.0
DZM Mont Dzumac 10.41 177 ePn Pn 09 58 11.4 +0.5

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.03 168 ePn Pn 09 58 06.6 +1.0
DZM Mont Dzumac 10.41 177 ePn Pn 09 58 11.4 +0.5

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.03 168 ePn Pn 09 58 06.6 +1.0
DZM Mont Dzumac 10.41 177 ePn Pn 09 58 11.4 +0.5

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.11 286 Pn Pn 09 55 36.7 +2.9
MARC Mare, Loyalty 10.03 168 ePn Pn 09 58 06.6 +1.0
DZM Mont Dzumac 10.41 177 ePn Pn 09 58 11.4 +0.5

IDC 06 10:00:12.2-0.6,12.05S:166.09E,h0km,mb4.4/17, mb1 4.5/19,mb1mx4.3/38,mbtmp4.4/19,ML4.8/2,Error ellipse: s-maj=19.9km s-min=14.8km az=94.0

NEIC 06 10:00:14.3-0.3,12.00S:165.96E,h10km,mb4.9/15,Error ellipse: s-maj=5.0km s-min=5.4km az=79.0

ISCJB 06 10:00:16.1-0.3,12.15S:0.04:165.79E:0.07,h30km, mb4.7/45,Error ellipse: s-maj=10.4km s-min=5.6km az=160.5

ISC 06 10:00:17.6-0.5,12.05S:0.07:165.90E:0.08,h30km,n86, n142/93,mb4.8/45,2C,Santa Cruz Islands

Code Station Name A° AZ° Phase ID Time Res HNR Honiara 6.40 293 ePn Pn 10 01 49.5 -0.4





6d 10h

PFO	Pinyon Flats O	86.41	55	eP	P	10 25 13.4 +0.3
PFO	Pinyon Flats O	86.41	55	eP	P	10 25 13.4 +0.3
PFO	Pinyon Flats O	86.41	55	eP	P	10 25 12.8 -0.3
XPFO	Pion Flat	86.42	55	eP	P	10 25 13.4 +0.3
PKI	Pulchok	86.42	299	eP	P	10 25 13.3 -0.2
PKIN	Pulchok	86.43	299	eP	P	10 25 13.2 -0.3
IKP	In-Ko-Pah, Jac	86.44	56	eP	P	10 25 13.4 +0.2
NV11	Mina Array Sit	86.46	50	eP	P	10 25 13.3 +0.1
F05D	White Salmon	86.48	42	eP	P	10 25 12.9 -0.1
D05A	Enumclaw	86.59	41	eP	P	10 25 14.9 +1.5
GSC	Goldstone, Bar	86.60	53	eP	P	10 25 14.4 +0.4
GSC	Goldstone, Bar	86.60	53	eP	P	10 25 14.4 +0.4
GSC	Goldstone, Bar	86.60	53	eP	P	10 25 14.0 0.0
GRAC	Grapevine Rang	86.64	51	eP	P	10 25 14.3 +0.2
DLBC	Dease Lake	86.67	28	eP	P	10 25 14.0 +0.3
A04D	Lummi Island	86.67	39	eP	P	10 25 13.8 0.0
KVN	Kaiserville	86.68	49	eP	P	10 25 14.7 +0.3
KVN	Kaiserville	86.68	49	eP	P	10 25 14.7 +0.3
DMN	Daman	86.69	299	eP	P	10 25 14.9 +0.1
SWSC	Sam W Stewart	86.77	56	eP	P	10 25 14.4 -0.3
HEC	Hector, Ludlow	86.84	54	eP	P	10 25 14.9 -0.2
FURC	Furnace Creek	86.88	52	eP	P	10 25 15.4 +0.3
BELC	Belle Mtn. Jos	86.89	55	eP	P	10 25 15.7 +0.2
B05A	Bryant	86.89	40	eP	P	10 25 15.2 +0.3
SHOC	Shoshone, Teco	87.18	53	eP	P	10 25 16.5 -0.1
I07A	Izeze	87.21	44	eP	P	10 25 17.3 +0.5
BC3	Big Chuckawall	87.23	55	eP	P	10 25 17.1 0.0
WVOR	Wild Horse Val	87.30	46	eP	P	10 25 17.7 +0.5
WVOR	Wild Horse Val	87.30	46	eP	P	10 25 17.7 +0.5
TUQ	Turquoise Moun	87.33	53	eP	P	10 25 17.7 +0.2
GMRC	Granite Mounta	87.36	54	eP	P	10 25 18.0 +0.3
TPNV	Topopah Spring	87.49	52	eP	P	10 25 18.8 +0.5
TPNV	Topopah Spring	87.49	52	eP	P	10 25 18.8 +0.5
TPNV	Topopah Spring	87.49	52	eP	P	10 25 18.4 0.0
GLA	Glamis	87.58	56	eP	P	10 25 19.9 +1.2
GLA	Glamis	87.58	56	eP	P	10 25 19.9 +1.2
GLA	Glamis	87.58	56	eP	P	10 25 19.5 +0.8
IRM	Iron Mountain	87.61	55	eP	P	10 25 19.2 +0.4
J08A	Janitor Farm	87.69	45	eP	P	10 25 19.6 +0.5
LDFC	Landfair	87.88	54	eP	P	10 25 20.7 +0.5
HAWA	Hanford	87.92	42	eP	P	10 25 20.5 +0.6
G08A	Pilot Rock	87.95	43	eP	P	10 25 20.6 +0.3
Y12C	Blythe	88.01	55	eP	P	10 25 21.1 +0.4
Y12C	Blythe	88.01	55	eP	P	10 25 20.9 +0.3
DANN	Dangasing	88.02	299	eP	P	10 25 20.3 -0.9
KOLN	Koldanda	88.02	299	eP	P	10 25 20.2 -0.9
NEE2	Needles Airpor	88.19	54	eP	P	10 25 21.8 +0.3
SHPR	Sheep Range	88.21	52	eP	P	10 25 22.6 +0.8
E08A	Dider Farm, El	88.26	42	eP	P	10 25 22.1 +0.6
R11A	Troy Canyon, C	88.37	51	eP	P	10 25 22.8 +0.3
R11A	Troy Canyon, C	88.37	51	eP	P	10 25 22.6 0.0
PDMC1	Parker Dam, Lak	88.45	55	eP	P	10 25 23.0 +0.3
D08A	Wollman Farm	88.52	42	eP	P	10 25 23.1 +0.3
PYUN	Piuthan	88.62	299	eP	P	10 25 23.1 -0.9
B08A	Colville Reser	88.66	40	eP	P	10 25 23.4 -0.1
BMO	Blue Mountains	88.94	44	eP	P	10 25 24.8 -0.2
BMO	Blue Mountains	88.94	44	eP	P	10 25 24.8 -0.2
BMO	Blue Mountains	88.94	44	eP	P	10 25 25.4 +0.4
WMQ	Urumqi	88.96	315	eP	P	10 25 27.8 +1.3
WMQ	Urumqi	88.96	315	eP	P	10 25 27.8 +1.3
WMQ	Urumqi	88.96	315	eP	P	10 25 27.8 +1.3
WMQ	Urumqi	88.96	315	eP	P	10 25 27.8 +1.3
214A	Organ Pipe Nat	88.96	57	eP	P	10 25 26.0 +0.7
ELK	Elko	89.27	48	eP	P	10 25 26.9 +0.1
ELK	Elko	89.27	48	eP	P	10 25 26.9 +0.1
F10A	Beach Ranch E	89.31	43	eP	P	10 25 26.8 +0.1
MFID	Camas Ranch	89.56	46	eP	P	10 25 28.4 +0.4
PSUT	Pine Spring	89.73	51	eP	P	10 25 29.1 +0.1
LCMT	Little Creek M	89.83	52	eP	P	10 25 30.0 +0.8
CCUT	Cedar City	89.87	52	eP	P	10 25 30.5 +0.9
NEW	Newport	90.04	41	eP	P	10 25 29.9 0.0
INK	Inuvik	90.12	19	eP	P	10 25 28.2 -1.5
KNB	Kanab	90.16	52	eP	P	10 25 32.0 +1.1
KNB	Kanab	90.16	52	eP	P	10 25 32.0 +1.1
HLID	Hailey	90.59	46	eP	P	10 25 33.2 +0.5
HLID	Hailey	90.59	46	eP	P	10 25 32.8 0.0
PKCU	Pink Cliffs	90.65	52	eP	P	10 25 35.2 +1.8
TUC	Tucson	90.72	57	eP	P	10 25 34.7 +1.2
TUC	Tucson	90.72	57	eP	P	10 25 34.7 +1.2
TUC	Tucson	90.72	57	eP	P	10 25 34.5 +1.0

2013 FEB

DGZ	Jazzator, Alta	90.79	321	d/P	P	10 25 33.1 -0.4
DGZ	Jazzator, Alta	90.79	321	d/P	P	10 25 33.1 -0.4
MTPU	Mount Pierson	90.89	52	eP	P	10 25 36.1 +1.6
DUG	Dugway, Toeole	90.92	49	eP	P	10 25 35.0 +0.6
DUG	Dugway, Toeole	90.92	49	eP	P	10 25 35.0 +0.6
DUG	Dugway, Toeole	90.92	49	eP	P	10 25 34.8 +0.4
BGU	Big Grassy Mou	90.93	49	eP	P	10 25 34.9 +0.5
WUAZ	Wupatki	90.95	54	eP	P	10 25 35.3 +0.7
WUAZ	Wupatki	90.95	54	eP	P	10 25 35.1 +0.5
MSU	Marysvalle	91.00	51	eP	P	10 25 36.3 +1.4
MSU	Marysvalle	91.00	51	eP	P	10 25 36.3 +1.4
HVU	Hansel Valley	91.32	48	eP	P	10 25 37.0 +0.8
HVU	Hansel Valley	91.32	48	eP	P	10 25 37.0 +0.8
NLU	North Lily Min	91.41	50	eP	P	10 25 37.6 +0.8
SPUT	South Promonto	91.45	48	eP	P	10 25 37.5 +0.6
SYO	Syowa Base	91.57	197	eX	P	10 25 33.0 -3.6
MSO	Missoula	91.74	43	eP	P	10 25 37.6 -0.3
MPU	Maple Canyon	91.76	50	eP	P	10 25 39.1 +0.8
CTU	Camp Tracy	91.82	49	eP	P	10 25 39.2 +0.6
Q16A	Quartz Valley	91.86	51	eP	P	10 25 40.1 +1.2
JLU	Jordanelle	92.03	49	eP	P	10 25 40.4 +0.7
CTU	Camp Tracy	92.17	49	eP	P	10 25 41.1 +0.8
W18A	Petrified Fore	92.17	55	eP	P	10 25 40.8 +0.4
DLMT	Dillon	92.29	44	eP	P	10 25 41.3 +0.7
SRU	San Rafael Swe	92.40	51	eP	P	10 25 42.3 +1.0
SRU	San Rafael Swe	92.40	51	eP	P	10 25 42.3 +1.0
LRM	Limekiln Ridge	92.50	44	eP	P	10 25 41.9 +0.2
FXWY	Fox Creek	93.00	46	eP	P	10 25 45.6 +0.7
BOZ	Bozeman (W)	93.01	44	eP	P	10 25 44.6 +0.7
BOZ	Bozeman (W)	93.01	44	eP	P	10 25 44.6 +0.7
BOZ	Bozeman (W)	93.01	44	eP	P	10 25 44.2 +0.3
REDW	Red Top Meadow	93.06	47	eP	P	10 25 44.8 +0.5
IMW	Indian Meadow	93.12	46	eP	P	10 25 45.4 +0.8
HRY	Holter Reser	93.12	43	eP	P	10 25 44.7 +0.4
YHB	Horse Butte	93.12	45	eP	P	10 25 46.1 +1.6
MOOW	Moos	93.22	46	eP	P	10 25 45.5 +0.4
121A	Cookes Peak, D	93.25	58	eP	P	10 25 44.7 -0.7
YMR	Madison River	93.26	45	eP	P	10 25 46.5 +1.3
LOHW	Long Hollow	93.29	46	eP	P	10 25 45.2 -0.2
PV09	Paradox Valley	93.33	52	eP	P	10 25 47.0 +1.3
PV14	Lion Creek, Pa	93.32	52	eP	P	10 25 47.1 +1.2
MKAR	Makanchi Array	93.39	317	eP	P	10 25 45.3 -0.2
MKAR	Makanchi Array	93.39	317	eP	P	10 42 52.4 -0.5
PV19	Morning Glor	94.01	52	eP	P	10 25 48.6 +2.6
PV23	Carpenter Ridg	94.42	52	eP	P	10 25 48.0 +1.8
PV17	East Wray Mesa	94.42	52	eP	P	10 25 47.8 +1.7
PV21	Cone Mtn., Par	94.47	52	eP	P	10 25 47.8 +1.5
ZALV	Zalesovo Beam	94.47	324	eP	P	10 25 44.6 -1.0
H17A	Grant Village	94.48	46	eP	P	10 25 47.3 +1.1
PV04	Paradox Valley	93.49	52	eP	P	10 25 47.7 +1.3
PV12	Saucer Basin,	93.55	52	eP	P	10 25 47.7 +1.0
MVCO	Mesa Verde	93.57	53	eP	P	10 25 46.4 -0.4
MAKZ	Makanchi	93.61	317	eP	P	10 25 46.1 -0.4
MAKZ	Makanchi	93.61	317	eP	P	10 25 46.1 -0.4
PV01	Paradox Valley	93.70	52	eP	P	10 25 47.7 +0.3
BW06	Boulder Array	93.87	47	eP	P	10 25 47.7 -0.4
BW06	Boulder Array	93.87	47	eP	P	10 25 47.9 -0.2
PD31	Pinedale Array	93.87	47	eP	P	10 25 47.8 -0.3
PDAR	Pinedale Array	93.87	47	eP	P	10 25 47.5 -0.5
NVS	Novosibirsk	94.58	325	eP	P	10 25 50.1 -0.6
EGMT	Eagleton	94.77	42	eP	P	10 25 52.1 +0.3
ANMO	Albuquerque	94.78	55	eP	P	10 25 52.5 +0.2
ANMO	Albuquerque	94.78	55	eP	P	10 25 52.0 -0.4
ANMO	Albuquerque	94.78	55	eP	P	10 25 52.6 +0.2
S22A	4UR Ranch, Cre	94.98	53	eP	P	10 25 54.1 +0.8
S22A	4UR Ranch, Cre	94.98	53	eP	P	10 25 53.8 +0.5
MNTX	Cornudas Moun	95.10	59	eP	P	10 25 53.7 0.0
MNTX	Cornudas Moun	95.10	59	eP	P	10 25 54.0 +0.3
YKA	Yellowknife Ar	95.23	27	eP	P	10 25 51.9 -1.5
SDCO	Great Sand Dun	96.01	53	eP	P	10 25 57.4 -0.7
NRIK	Noril'sk	96.13	340	eP	P	10 25 56.1 -1.3
TRAX	Lajitas Array	96.17	61	eP	P	10 25 58.5 -0.2
KURK	Kurchatov	96.53	320	eP	P	10 25 58.9 -0.8
KURK	Kurchatov	96.53	320	eP	P	10 42 45.2 -0.6
KURK	Kurchatov	96.53	320	eP	P	10 25 58.8 -0.9
KURB	Kurchatov	96.57	320	eP	P	10 42 45.2 -0.5
KSH	Kashi	96.58	309	eP	P	10 26 01.3 +0.9
KSH	Kashi	96.58	309	eP	P	10 26 01.3 +0.9
KSH	Kashi	96.58	309	eP	P	10 29 57.5 +2.4
KSH	Kashi	96.58	309	eP	P	10 37 19.4 -0.4
KSH	Kashi					







LZH		pP	sP	10 32 17.6	-0.4		
LZH		sP	pwP	10 32 21.4	+2.7		
LZH		S	S	10 41 47.0	+0.8		
LZH		SS	SS	10 41 55.7	+3.2		
LZH		SS	SS	10 46 30.1	-2.3		
LZH	comp=Z,120nm,1.5s		pmax				
LZH	comp=Z,590nm,4.3s		pmax				
LZH	comp=Z,3um,17.4s		LR	LR			
LZH	comp=Z,2um,18.1s		LR	LR			
LZH	comp=Z,3um,18.4s		LR	LR			
OHAK	Old Harbor	75.86	22	eP	P	10 32 20.5	-0.1
GAMB	Gambell	76.42	10	eP	P	10 32 24.9	+1.2
KDAK	Kodiak Island	76.53	22	eP	P	10 32 25.8	+1.3
KDAK	comp=Z,2um,19.0s		LR	LR			
KDAK	Kodiak Island	76.53	22	P	P	10 32 24.6	+0.1
CIT	Chita	76.75	330	eP	P	10 32 26.1	+0.1
CIT			e			10 32 30.6	
CIT			e			10 32 44.2	
YAK	Yakutsk	77.76	344	eP	P	10 32 30.5	-0.8
YAK			ePP		S	10 32 36.6	-0.4
YAK			e		S	10 32 39.4	
YAK			eSS		ScS	10 42 48.2	-1.3
YAK			e		e	10 43 02.1	
YAK			eSS		SS	10 47 16.5	-7.1
YAK			eSSS		SSS	10 50 47.4	
YAK	comp=Z,27nm,1.2s		pmax	pmax			
YAK	comp=N,11nm,1.4s		pmax	pmax			
YAK	comp=E,8.0nm,1.1s		pmax	pmax			
YAK	comp=Z,235nm,3.6s		pmax	pmax			
YAK	comp=E,113nm,3.2s		pmax	pmax			
YAK	comp=N,106nm,3.2s		pmax	pmax			
YAK	comp=N,273nm,5.8s		smax	smax			
YAK	comp=E,388nm,6.9s		smax	smax			
ULN	Ulanbaatar	77.86	324	eP	P	10 32 33.0	+0.5
ULN	comp=E,43nm,1.0s		LR	LR			
ULN	Ulanbaatar	77.86	324c	iP	pmax	10 32 32.7	+0.2
ULN	comp=Z,44nm,1.0s		P	P		10 32 33.0	+0.5
ULN	Ulanbaatar	77.86	324	P	P	10 32 33.0	+0.5
ULN	SNR=22		P	P		10 32 33.0	+0.5
SVW2	Sparvevohn	78.03	18	eP	P	10 32 33.4	+0.4
SONM	Songino Array	78.23	324	P	P	10 32 34.8	+0.3
SONM	comp=Z,14nm,1.0s,baz=140,slow=4.5,SNR=50						
SONM	comp=Z,0.6nm,0.9s,baz=325,slow=3.3,SNR=32					10 59 36.4	
SONA1	Songino Array	78.23	324	eP	P	10 32 34.2	-0.3
HOM	Homer	78.24	21	eP	P	10 32 35.3	+1.2
ANM	Nome	78.36	12	eP	P	10 32 35.5	+0.8
ANM	comp=Z,104nm,1.6s		pmax	pmax			
ANM	Nome	78.36	12	eP	P	10 32 35.5	+0.8
RSO	Redoubt South	78.46	20	eP	P	10 32 35.6	0.0
BRK	Bradley Lake	78.51	21	eP	P	10 32 36.4	+0.3
GTA	Gaotai	78.59	314	iP	P	10 32 37.6	+0.9
GTA			pP		pP	10 32 43.0	-0.1
GTA			pP		pP	10 32 45.6	-0.1
GTA			S		S	10 42 33.8	+0.5
GTA			SS		SS	10 42 43.4	+3.9
GTA			SKS		SKS	10 42 46.5	-5.1
GTA	comp=Z,42nm,1.5s		pmax	pmax			
GTA	comp=Z,380nm,6.7s		LR	LR			
GTA	comp=Z,2um,20.0s		LR	LR			
GTA	comp=Z,2um,20.9s		LR	LR			
GTA	comp=Z,3um,20.0s		LR	LR			
BILL	Bilbino	78.66	0	eP	P	10 32 35.8	-0.3
BILL	comp=Z,128nm,1.6s		LR	LR			
BILL	Bilbino	78.66	0c	iP	pmax	10 32 35.9	-0.3
BILL	comp=Z,21nm,1.0s		pmax	pmax			
QSPA	South Pole Qui	79.18	180	eP	P	10 32 39.7	+0.2
QSPA	comp=Z,186nm,1.2s		LR	LR			
QSPA	Seward	79.33	21	eP	P	10 32 40.8	+0.8
SEU	Susitna One	79.86	20	eP	P	10 32 42.2	-0.9
RC01	Robbie Creek A	79.93	20	eP	P	10 32 43.8	+0.4
SHL	Shilong	80.03	298	eP	P	10 32 45.3	+0.5
SHL	Shilong	80.03	298	eP	pmax	10 32 45.3	+0.5
BOD	Bodaibo	80.14	335	eP	pmax	10 32 43.6	-0.9
BOD	comp=Z,28nm,1.8s		pmax	pmax			
PMR	Palmer	80.50	20	eP	P	10 32 46.0	-0.3
PMR	comp=Z,27nm,1.0s		pmax	pmax			
PMR	Palmer	80.50	20	eP	P	10 32 46.0	-0.3
PMR	comp=Z,27nm,1.0s		pmax	pmax			
KNK	Knik Glacier	80.60	21	eP	P	10 32 48.0	+1.0
CAST	Castle Rocks	80.87	18	eP	P	10 32 47.3	-1.1
EYAK	Yakutsk	80.98	22	eP	P	10 32 49.9	+1.0
RPN	Rapa Nui	81.06	116	PFAKE	LR	10 33 00.0	+1.0
ZAK	Zakamensk	81.27	325	eP	pmax	10 32 50.1	-0.8
ZAK	comp=Z,3um,20.0s		pmax	pmax			
DIV	Divide	81.36	22	eP	P	10 32 51.2	+0.1
HMT	Hamilton	81.40	23	eP	P	10 32 51.9	+0.7
TRF	Thorofare Moun	81.44	19	eP	P	10 32 51.5	-0.1
KLU	Klutina	81.55	21	eP	P	10 32 52.7	+0.6
IRK	Irkutsk	81.63	327	eP	pmax	10 32 51.5	-1.1
IRK	comp=Z,98nm,3.7s		pmax	pmax			
TLY	Talaya	81.69	326	eP	P	10 32 52.9	-0.2
TLY	comp=Z,43nm,0.9s		LR	LR			
TLY	comp=Z,1um,21.0s		iP	P		10 32 52.8	-0.2
TLY	Talaya	81.69	326	P	P	10 32 52.8	-0.2
TLY	SNR=15		P	P		10 32 52.8	-0.2
LSA	Lhasa	81.87	302	eP	P	10 32 55.6	+0.6
LSA	comp=Z,7.0nm,0.5s		LR	LR			
RND	Reindeer	81.87	19	eP	P	10 32 53.6	-0.1

RND	Reindeer	81.87	19	eP	P	10 32 53.6	-0.1
RND	comp=Z,56nm,1.4s		pmax	pmax			
RDG	Red Dog Mine	81.89	12	eP	P	10 32 54.4	+0.8
RDG	comp=Z,57nm,0.9s		eP	P		10 32 55.4	+0.7
MCK	McKinley	82.07	19	eP	P	10 32 55.4	+0.7
MCK	McKinley	82.07	19	eP	pmax	10 32 55.4	+0.7
DHY	Denali Highway	82.12	20	eP	P	10 32 55.6	+0.5
IM3	Indian Mountain	82.33	16	eP	P	10 32 55.6	-0.3
HARP	HAAR	82.43	21	eP	P	10 32 57.8	+1.2
MLY	Manley	82.45	17	eP	P	10 32 56.4	-0.3
KCPM	Cahto Peak	82.72	47	eP	P	10 32 59.7	+1.0
KCPM	comp=Z,30nm,1.0s		eP	P		10 32 60.0	+0.8
KMRM	Mali Ridge	82.81	47	eP	P	10 32 60.0	+0.8
HOPS	Hopland Field	82.85	48	eP	P	10 32 59.6	+0.3
WRH	Wood River Hill	82.85	19	eP	P	10 32 57.9	-0.9
GDXM	Geysers	82.99	48	eP	P	10 33 01.2	+1.1
MOY	Moody	83.14	326	eP	pmax	10 33 00.7	0.0
MOY	comp=Z,49nm,3.1s		pmax	pmax			
MDM	Murphy Dome	83.15	18	eP	P	10 32 59.9	-0.4
HDA	Harding Lake	83.17	19	eP	P	10 32 59.9	-0.5
HDA	Harding Lake	83.17	19	P	P	10 32 58.9	-1.5
TCOL	Cliff Top	83.20	18	eP	P	10 32 59.6	-0.9
COLA	College	83.21	18	eP	P	10 32 59.6	-0.9
COLA	comp=Z,32nm,0.9s		LR	LR			
COLA	College	83.21	18	iP	pmax	10 33 00.6	+0.1
COLA	comp=Z,2um,20.0s		pmax	pmax			
RIDG	Independent Ridge	83.41	20	eP	P	10 33 01.6	-0.1
IL1	Eielson Array	83.44	19	eP	P	10 33 00.3	-1.5
ILAR	Eielson Array	83.44	19	P	P	10 33 00.8	-0.9
O02D	Mt. Diablo Mer	83.46	47	P	P	10 33 02.5	-0.1
POKR	Poker Plat Res	83.50	18	P	P	10 33 01.7	-0.4
L02E	Cave Junction	83.57	45	P	P	10 33 02.4	-0.6
J01E	Myrtle Point	83.70	44	P	P	10 33 02.8	-0.7
K02D	Williamette Mer	83.72	45	P	P	10 33 02.8	-1.0
WDC	Whiskeytown Da	83.77	47	eP	P	10 33 04.2	+0.2
WDC	Whiskeytown Da	83.77	47	eP	pmax	10 33 04.2	+0.2
N02D	Trinity Center	83.79	46	P	P	10 33 03.6	-0.6
M02C	Callahan	83.83	46	P	P	10 33 03.9	-0.2
SCRK	San Creek	83.85	20	eP	P	10 33 04.2	+0.1
SMMC	Simmler	83.99	52	P	P	10 33 04.6	-0.7
PKM	McJerson Peak	84.01	53	P	P	10 33 05.5	-0.1
YBH	Yreka Blue Hor	84.05	46	eP	P	10 33 06.0	+0.5
HUMO	Hull Mountain	84.18	45	eP	P	10 33 06.7	+0.6
ORV	Oroville	84.19	48	eP	pmax	10 33 05.9	-0.3
ORV	Oroville	84.19	48	eP	pmax	10 33 05.9	-0.3
COLD	Coldfoot	84.20	16	eP	P	10 33 07.0	+1.4
O03E	Paynes Creek	84.21	47	P	P	10 33 05.4	-1.0
ODAN	Odare	84.26	299	eP	P	10 33 07.2	+0.1
WRAK	Wrangell Islan	84.36	30	PFAKE	LR	10 33 20.0	+1.3
HYT	Haines Junctio	84.36	24	eP	P	10 33 07.0	+0.2
BLG	Laguna Peak, P	84.36	54	eP	P	10 33 06.1	-1.2
PRP	Porcupine Dome	84.37	18	eP	P	10 33 05.6	-1.1
AFDM	Forest Hills D	84.38	49	eP	P	10 33 07.1	-0.1
SC12	San Clemente I	84.45	55	P	P	10 33 06.9	-0.7
L04D	Klamath Falls	84.50	45	eP	P	10 33 07.3	-0.6
SKAG	Skagway	84.53	26	eP	P	10 33 08.3	+0.9
KNGR	Kungurtug, Tuv	84.67	324	iP	P	10 33 07.8	-0.7
M04C	Macdoel	84.68	46	eP	P	10 33 08.5	-0.3
C1C	Catalina Islan	84.68	55	P	P	10 33 08.2	-0.7
MAW	Mawson	84.77	202	P	P	10 33 08.8	+0.3
OSI	Ostia Audit: C	84.78	53	P	P	10 33 08.7	-0.7
ARVC	Arvin	84.85	53	P	P	10 33 09.1	-0.6
VES	Vestal, Richgr	84.86	52	P	P	10 33 08.6	-1.1
G03D	McMininville, O	84.88	42	P	P	10 33 04.9	-0.2
I04A	Tendick Farm,	84.96	44	P	P	10 33 09.5	-0.5
RAMN	Ramite	84.97	299	eP	P	10 33 10.5	-0.2
J04D	Umpqua Nationa	84.98	44	P	P	10 33 09.8	-0.5
DECC	Green Verdugo	84.99	54	P	P	10 33 09.6	-0.8
H04D	Lebanon	84.99	43	P	P	10 33 09.6	-0.5
RUBR	Rubicon Trail	85.02	49	eP	P	10 33 11.5	+0.8
K04D	Chiloquin, OR	85.02	45	P	P	10 33 10.0	-0.5
PASC	Pasadena Art C	85.08	54	eP	P	10 33 10.5	-0.3
BEKR	Beckworth	85.12	48	eP	P	10 33 11.0	-0.2
MWC	Mount Wilson	85.20	54	eP	P	10 33 11.5	-0.2
NLWA	Neilton Lookou	85.20	54	PFAKE	LR	10 33 20.0	+8.5
ISA	Isabella, Lake	85.28	53	eP	P	10 33 11.9	0.0
ISA	Isabella, Lake	85.28	53	eP	pmax	10 33 11.9	0.0
ISA	Isabella, Lake	85.28	53	P	P	10 33 11.0	-0.9
WHY	Whitehorse	85.36	25	eP	P	10 33 11.3	-0.5
WAKR	Walker	85.38	50	eP	P	10 33 12.8	+0.3
MDPB	Devils Postpil	85.39	50	eP	P	10 33 12.6	0.0
EDW2	Edwards Air Fo	85.43	53	P	P	10 33 12.1	-0.6
PNTR	Pine Nut	85.44	49	eP	P	10 33 12.4	-0.4
VCNR	Virginia City	85.46	49	eP	P	10 33 13.0	+0.1
J1RN	Jiri	85.50	299	eP	P	10 33 13.4	-0.1
DAWY	Dawson	85.50	21	eP	P	10 33 11.7	-0.6



Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like PKME Peaks-Kenny Pk, CPUR Villa Florida, and many others.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TIC Tounodi, TIC Tounodi, TIC Santiago Islan, and many others.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ILAR Eielson Array, SCRR Sand Creek, PRP Porcupine Dome, and many others.

6d 10h

Table with columns for flight codes (OPRZ, H1S2, H1S3, etc.), destinations (Ohineapeana, WAKE ISLAND, etc.), times, and status. Includes sub-headers like 'comp=Z,64nm,0.9s' and 'P T'.

2013 FEB

Table with columns for flight codes (KAPI, TBI, PCI, etc.), destinations (Kappang, Tubuai, Palu, etc.), times, and status. Includes sub-headers like 'comp=Z,7um,21.0s' and 'eLQ LR'.

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Table with columns for flight codes (NJ2, VLA, QIZ, etc.), destinations (West Island, Giongzhong, etc.), times, and status. Includes sub-headers like 'comp=Z,5um,15.2s' and 'eP Pmax'.





6d 10h

2013 FEB

Table with columns: ISA, comp, Z, Az, El, Az El, P, P, Az El, Az El. Rows include stations like ISA Isabella, Lake, DAWY Dawson, H04A Detroit Lake, WAKR Walker, etc.

Table with columns: G08A, PYUN, Y12C, Y12C, E08A, WMQ, WMQ, WMQ, WMQ, WMQ, WMQ, WMQ, SHPR, R11A, R11A, D08A, N13A, PDMCI, B08A, E09A, BMO, BMO, W13A, 214A, F10A, ELK, ELK, Y14A, MFID, HYB, HYB, HYB, PSUT, INK, INK, INK, LCMT, CCUT, NEW, NEW, NEW, NEW, NGP, NGP, DGZ, DGZ, SZCU, KNB, KNB, U15A, HLID, HLID, HLID, PKCU, X16A, TUC, TUC, MTPU, DUG, DUG, DUG, BU, WUAZ, DGAR, DGAR, MSU, MSU, HVU, HVU, HVU, NLU, SPUT, MSO, MSO, MPU, BTL, BHPF, SYO, SYO, Q16A, TMUT, MCMCT, X18A, JLU, JLU, TCUT, TCUT. Rows include stations like Pilot Rock, Pluthan, Blythe, Blythe, Dider Farm, etc.

Table with columns: DLMT, W18A, SRU, LRM, DDI, DDI, MK01, MK31, MKAR, MKAR, MKAR, MKAR, AHID, AHID, ZAAO, ZALV, ZALV, ZALV, ZALV, MAZK, MAZK, MAZK, QLMT, BOZ, BOZ, BOZ, BOZ, FXWY, TPWA, NDI, REDW, HRY, YHB, IMW, SNOW, MOOW, YMR, LOHW, FLWY, 121A, PV14, H17A, H17A, PV21, SMLA, SMLA, PV04, PV12, LKWY, LKWY, LKWY, MVOO, MVOO, PV07, PV01, GOA, BW06, BW06, PD31, PDAR, NVS, NVS, NVS, POO, POO, O20A, DHRM, RLMT, RLMT, EGMT, EGMT, EGMT, ANMO, ANMO, ANMO, ANMO, YKA, YKB5, YKW3, S22A, S22A, MNTX, MNTX, NRIK, NRIK, NRIK. Rows include stations like Dilon, Petrified Forest, Sarafael Sw, Lemkin Ridge, etc.









BILL	Bilibino	78.52	0c	iP	P	11 15 47.4 +0.5
BILL	comp=Z,171nm,1.3s					
SEW	Seward	79.20	21	eP	P	11 15 52.1 +1.2
SEW	comp=Z,123nm,1.4s					
QSPA	South Pole Qui	79.32	180	eP	P	11 15 52.1 +0.4
QSPA	comp=Z,213nm,1.1s					
QSPA				LR	LR	
QSPA	South Pole Qui	79.32	180	P	P	11 15 52.1 +0.4
QSPA	comp=Z,118nm,1.1s,baz=15,slow=2,1,SNR=82					
SUA	Susitna One	79.73	20	eP	P	11 15 54.0 +0.1
RC01	comp=Z,97nm,1.4s					
RC01	Rabbit Creek A	79.80	20	eP	P	11 15 54.6 +0.5
RC01	comp=Z,92nm,1.5s					
SHL	Shillong	79.95	298	eP	P	11 15 55.5 +0.5
BOD	Boadabo	80.01	335	eP	P	11 15 54.6 -0.7
BOD	comp=Z,68nm,1.8s					
PPLA	Purkeypile	80.32	18	eP	P	11 15 58.2 +1.1
PPLA	comp=Z,32nm,1.2s					
GLK	Knik Glacier	80.47	21	eP	P	11 15 58.5 +0.7
GLK	comp=Z,116nm,1.4s					
GLI	Knicker Island	80.58	21	eP	P	11 15 59.0 +0.6
GLI	comp=Z,103nm,1.3s					
CAST	Castle Rocks	80.74	18	eP	P	11 15 59.0 -0.2
CAST	comp=Z,44nm,1.2s					
SML	Sawmill	80.79	20	eP	P	11 16 00.2 +0.7
SML	comp=Z,117nm,1.4s					
SML		80.79	20	eP	P	11 16 00.2 +0.7
SML				pmax	pmax	
EYAK	comp=Z,117nm,1.4s					
EYAK	Cordova Ski Ar	80.86	22	eP	P	11 16 00.6 +0.8
EYAK	comp=Z,130nm,1.4s					
RPN	Rapa Nui	81.13	116	P	P	11 16 02.3 +0.2
RPN	comp=Z,3um,22.0s					
RPN		81.13	116	P	P	11 16 02.3 +0.2
RPN				MLR	MLR	
RPN				MLR	MLR	
RPN	Rapa Nui	81.13	116	P	P	11 16 02.3 +0.2
RPN	comp=Z,3um,22.0s					
RPN	comp=Z,69nm,0.8s,baz=338,slow=4,SNR=5.9					
ZAK	Zakamensk	81.15	325	eP	P	11 16 01.4 -0.3
ZAK	comp=Z,59nm,1.2s					
DIV	Divide	81.23	22	eP	P	11 16 02.6 +0.7
DIV	comp=Z,90nm,1.2s					
HMT	Hamilton	81.28	23	eP	P	11 16 03.1 +1.0
HMT	comp=Z,150nm,1.6s					
TRF	Thorofare Mtn	81.31	19	eP	P	11 16 02.1 -0.3
TRF	comp=Z,22nm,1.0s					
KLU	Klutina	81.42	21	eP	P	11 16 03.7 +0.8
KLU	comp=Z,64nm,1.2s					
IRK	Irkutsk	81.51	327	eP	P	11 16 02.8 -0.7
IRK	comp=Z,71nm,3.4s					
BPW	Bear Paw Mtn.	81.57	18	eP	P	11 16 03.2 -0.4
BPW	comp=Z,57nm,1.7s					
TLY	Talaya	81.57	326	eP	P	11 16 03.8 -0.1
TLY	comp=Z,169nm,1.2s					
TLY				LR	LR	
TLY				LR	LR	
TLY	Talaya	81.57	326	iP	P	11 16 03.5 -0.4
TLY	comp=Z,22nm,1.0s					
TLY	SNR=22					
RND	Reindeer	81.74	19	eP	P	11 16 04.7 +0.2
RND	comp=Z,58nm,1.2s					
RND		81.74	19	eP	P	11 16 04.7 +0.2
RND				pmax	pmax	
RND				pmax	pmax	
RDOG	Red Dog Mine	81.75	12	eP	P	11 16 02.1 -2.4
RDOG	comp=Z,136nm,1.2s					
LSA	Lhasa	81.78	302	eP	P	11 16 06.5 +0.5
LSA	comp=Z,43nm,1.3s					
LSA				LR	LR	
MCK	McKinley	81.94	19	eP	P	11 16 05.6 +0.1
MCK	comp=Z,2um,20.0s					
MCK	McKinley	81.94	19	eP	P	11 16 05.6 +0.1
MCK	comp=Z,64nm,1.2s					
MCK				pmax	pmax	
DHY	Denali Highway	81.99	20	eP	P	11 16 06.5 +0.5
DHY	comp=Z,64nm,1.2s					
IM3	Indian Mountain	82.19	16	eP	P	11 16 06.5 -0.3
HARP	HAARP	82.30	21	eP	P	11 16 08.4 +0.9
HARP	comp=Z,45nm,0.9s					
MLY	Manley	82.32	17	eP	P	11 16 07.9 +0.4
MLY	comp=Z,33nm,1.2s					
KMRM	Mali Ridge	82.72	47	eP	P	11 16 11.5 +1.3
KMRM	comp=Z,108nm,1.3s					
WRH	Wood River Hill	82.72	19	eP	P	11 16 09.4 -0.2
WRH	comp=Z,45nm,1.3s					
WPS	Hopland Field	82.76	48	eP	P	11 16 11.6 +1.3
WPS	comp=Z,82nm,1.4s					
GDXM	Geysers	82.90	48	eP	P	11 16 12.4 +1.2
GDXM	comp=Z,24nm,1.1s					
MDM	Murphy Dome	83.02	18	eP	P	11 16 10.9 -0.3
MDM	comp=Z,44nm,1.2s					
MOY	Mondy	83.03	326	eP	P	11 16 11.5 -0.1
MOY	comp=Z,68nm,3.9s					
HDA	Harding Lake	83.04	19	eP	P	11 16 10.9 -0.4
HDA	comp=Z,31nm,1.2s					
HDA	Harding Lake	83.04	19	P	P	11 16 10.6 -0.7
HDA	baz=227					
TCOL	CICO, UAF Yank	83.07	18	P	P	11 16 11.0 -0.4
TCOL	comp=Z,226					
COLA	College	83.08	18	eP	P	11 16 11.4 0.0
COLA	comp=Z,45nm,1.0s					
COLA				LR	LR	
COLA				LR	LR	
COLA	College	83.08	180	eP	P	11 16 10.0 -1.4
COLA	comp=Z,1um,20.0s					
COLA				pmax	pmax	
RIDG	Independence Rm	83.28	20	eP	P	11 16 13.3 +0.7
RIDG	comp=Z,226nm,1.1s					
IL1	Eielson Array	83.31	19	eP	P	11 16 10.4 -2.2
IL1	comp=Z,44nm,1.1s					
ILAR	Eielson Array	83.31	19	P	P	11 16 12.6 -0.1
ILAR	comp=Z,12nm,0.6s,baz=239,slow=5,3,SNR=99					
ILAR				LR	LR	
ILAR				LR	LR	
ILB	Eielson Array	83.31	19	eP	P	11 16 12.2 -0.4
O02D	Mt. Diablo Mer	83.37	47	eP	P	11 16 14.3 +0.7
O02D	comp=Z,250,SNR=13					
POKR	Poker Flat Res	83.38	18	P	P	11 16 12.3 -0.7
POKR	baz=227					
J01E	Myrtle Point	83.61	44	P	P	11 16 15.1 +0.5
J01E	baz=249					
K02D	Willamette Mer	83.62	45	P	P	11 16 15.1 +0.3
K02D	baz=249					
SNCC	San Nicolas Is	83.67	55	P	P	11 16 15.3 +0.1
SNCC	baz=253					
WDC	Whiskeytown Da	83.68	47	eP	P	11 16 15.8 +0.7
WDC	comp=Z,59nm,1.1s					
WDC	Whiskeytown Da	83.68	47	eP	P	11 16 15.8 +0.7
WDC	comp=Z,65nm,1.4s					
N02D	Trinity Center	83.70	46	P	P	11 16 15.9 +0.7
N02D	baz=250,SNR=10					
SCRK	Sand Creek	83.72	20	eP	P	11 16 15.3 +0.3
SCRK	comp=Z,159nm,1.4s					
M02C	Callahan	83.74	46	P	P	11 16 16.0 +0.6
M02C	baz=250,SNR=6.9					
SCZ2	Santa Cruz Isl	83.80	54	P	P	11 16 15.8 0.0
SCZ2	baz=253					
SBC	Santa Barbara	83.87	53	P	P	11 16 16.3 +0.1
SBC	baz=253					
SMMC	Simmler	83.91	52	P	P	11 16 16.6 +0.2
SMMC	baz=252					
PKM	Mcherson Peak	83.93	53	P	P	11 16 16.6 -0.1
PKM	baz=253					
YBH	Yreka Blue Hor	83.95	46	eP	P	11 16 17.5 +1.0
YBH	comp=Z,32nm,1.2s					
I02D	Swisshome	84.00	43	P	P	11 16 17.2 +0.5
I02D	baz=249					
COLD	Coldfoot	84.07	16	eP	P	11 16 18.0 +1.5
COLD	comp=Z,3nm,1.2s					
HUMO	Hull Mountain	84.08	45	eP	P	11 16 18.1 +0.9
HUMO	comp=Z,44nm,1.1s					
ORV	Oroville	84.10	48	eP	P	11 16 16.2 -1.1
ORV	comp=Z,33nm,1.2s					
ORV		84.10	48	eP	P	11 16 16.2 -1.1
ORV				pmax	pmax	
ORV				pmax	pmax	
O03E	Paynes Creek	84.12	47	P	P	11 16 17.2 -0.3
O03E	baz=251,SNR=20					
ODAN	Odare	84.19	299	eP	P	11 16 18.2 -0.1

HYT	Haines Junctio	84.24	24	eP	P	11 16 18.4 +0.8
HYT	comp=Z,34nm,1.1s					
PRP	Porcupine Dome	84.24	18	eP	P	11 16 18.0 +0.5
PRP	comp=Z,24nm,1.4s					
WRAK	Wrangell Island	84.24	30	eP	P	11 16 18.1 +0.5
WRAK	comp=Z,74nm,1.3s					
WRAK				LR	LR	
BLG	Laguna Peak, P	84.29	54	eP	P	11 16 18.1 -0.3
BLG	comp=Z,2um,20.0s					
AFDM	Forest Hills D	84.29	49	eP	P	11 16 18.4 +0.1
AFDM	comp=Z,50nm,1.1s					
SCI2	San Clemente I	84.38	55	P	P	11 16 19.0 +0.2
SCI2	comp=Z,50nm,1.1s					
L04D	Klamath Falls	84.40	45	P	P	11 16 18.9 0.0
L04D	baz=250,SNR=5.2					
SKAG	Skagway	84.41	26	eP	P	11 16 19.4 +1.0
SKAG	comp=Z,22nm,1.4s					
CMB	Columbia Cole	84.44	50	eP	P	11 16 18.9 -0.2
CMB	comp=Z,24nm,1.1s					
CMB	Columbia Cole	84.44	50	eP	P	11 16 18.9 -0.2
CMB	comp=Z,24nm,1.1s					
CMB				pmax	pmax	
CMB				pmax	pmax	
KNGR	Kungtung, Tu	84.55	324	iP	P	11 16 18.7 -0.7
KNGR	comp=Z,24nm,1.1s					
M04C	Macdoel	84.58	46	P	P	11 16 20.0 +0.1
M04C	baz=251,SNR=12					
CIS	Catalina Island	84.61	55	P	P	11 16 19.8 -0.2
CIS	comp=Z,24nm,1.4s					
VOG	Valley Oaks Go	84.69	52	P	P	11 16 19.8 -0.5
VOG	comp=Z,253					
OSI	Osito Audit: C	84.71	53	P	P	11 16 20.7 +0.2
OSI	baz=253					
ARVC	Arvin	84.77	53	P	P	11 16 20.9 +0.2
ARVC	baz=253,SNR=7.3					
YES	Vestal, Richgr	84.78	52	P	P	11 16 20.7 -0.1
YES	baz=253,SNR=8.6					
G03D	McMillinville, O	84.78	42	P	P	11 16 20.9 +0.3
G03D	baz=249					
FMP	Fort McCarthur	84.79	54	P	P	11 16 20.8 0.0
FMP	baz=254					
I04A	Tendick Farm,	84.86	44	P	P	11 16 20.9 -0.2
I04A	baz=251					
J04D	Umpqua Nationa	84.88	44	P	P	11 16 21.7 +0.3
J04D	baz=250					
RAMN	Ramite	84.89	299	eP	P	11 16 21.5 -0.4
RAMN	comp=Z,156nm,1.5s					
H04D	Lebanon	84.89	43	P	P	11 16 21.7 +0.6
H04D	baz=250					
MAW	Mawson	84.89	202	eP	P	11 16 22.7 +2.0
MAW	comp=Z,22nm,1.0s					
MAW	Mawson	84.89	202	P	P	11 16 21.5 +0.8
MAW	comp=Z,74nm,0.9s,baz=83,slow=4,SNR=6.1					
DECC	Green Verdugo	84.91	54	P	P	11 16 21.2 -0.3
DECC	baz=254					
K04D	Chiltonin, OR	84.92	45	P	P	11 16 21.4 -0.1
K04D	baz=251					
RUBR	Rubicon Trail	84.93	49	eP	P	



Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like LCMT Little Creek M, CCUT Cedar City, INK Inuvik, etc.

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like PV14 Lion Creek Pa, PV19 Morning Glory, PV23 Center Ridge, etc.

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like SNAW Snaae, MSTX Muleshoe, NIL Nilore, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like CNCC, CBN, BINY, LONY, SFJD, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like BRG, CLL, COLL, KRUC, etc.

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like WRA, ASAR, ILAR, YKA, etc.

Table with columns: PDGK, PRZ, SATY, SATY, SATY, DJR, DJR, DJR, KDJ, KDJ, KOTS, KOTS, KOTS, MDOK, MDOK, MDOK, MDOK, MDOK, MDOK, MDOK, CHKK, CHKK, CHKK, MTBS, MTBS, MTBS, KTBS, KTBS, ULHL, ULHL, KAPS, KAPS, KAPS, KUU, KUU, KUU, KST, KST, KST, BOOM, BOOM, DGS, DGS, DGS, DGS, DGS, NRN, NRN, TKM2, TKM2, KZA, KZA, KBK, KBK, CHMS, CHMS, AAK, AAK, MK31, MK31. Includes station names, coordinates, and times.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes station names like HNR, DZM, WRA, ASAR, ILAR, etc. and their respective coordinates and times.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes station names like HNR, HNR, HNR, HNR, HNR, HNR, etc. and their respective coordinates and times.

ICD 06 11:20:06.9.2.3, 10.855x165.38E, h0km, mb3.8/4, mb1 4.1/5, mb1mx4.7/44, mb1mx4.0/5, ML4.9/1, Error ellipse: s-maj=70.4km s-min=32.0km az=141.0, Santa Cruz Islands region



ellipse: s-maj=48.5km s-min=24.2km az=136.0  
 ISC/JB 06 11:35:24.1,0.9,11.75S,0.1:165.2E,0.2,h34km,mb3.8/5,  
 Error ellipse: s-maj=27.7km s-min=19.0km az=22.7  
 ISC 06 11:35:25.7,1.0,11.6S,0.1:165.2E,0.2,h34km,m6,  
 r104/6,mb3.9/5,Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
DZM	Mont Dzumac	10.48	174	Op	11 37 53.8	+0.1		
WRM	Warramunga Arr	30.81	250	P	11 41 38.9	+0.3		
ASAR	Alce Springs	32.09	244	P	11 41 49.5	-0.3		
ILAR	Eielson Array	84.19	19	P	11 47 54.2	+1.0		
NVAR	Mina Array Bea	86.77	50	P	11 48 07.2	+0.3		
YKA	Yellowknife Ar	95.89	27	P	11 48 46.3	-1.4		

ISC/JB 06 11:38:06.5,0.8,10.9S,0.1:165.6E,0.1,h30km,mb4.1/6,  
 Error ellipse: s-maj=16.6km s-min=15.2km az=139.2  
 IDC 06 11:38:10.9,3.8,10.90S,165.52E,h56km,36km,mb3.9/6,  
 mb1.4/3.8,mb1mx3.7/4.0,mbtmp4.3/8,ML4.6/2,Error  
 ellipse: s-maj=26.3km s-min=18.5km az=136.0  
 ISC 06 11:38:08.0,0.9,10.8S,0.1:165.7E,0.1,h30km,n16,  
 r169/10,mb4.2/6,Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
HNR	Honiara	5.85	283	Op	11 39 34.0	+0.9		
HNR	Honiara	5.85	283	eS	11 39 33.2	+0.1		
DZM	Mont Dzumac	11.22	177	P	11 40 46.8	0.0		
CTA	Charters Tower	20.89	241	P	11 42 50.7	+2.4		
H1S2	WAKE ISLAND Hy	29.13	2	T	12 15 13.0			
H1S3	WAKE ISLAND Hy	29.13	2	T	12 15 12.5			
H1S1	WAKE ISLAND Hy	29.15	2	T	12 15 19.2			
URZ	Urewera	29.18	161	P	11 44 07.3	+0.3		
H1N1	WAKE ISLAND Hy	30.35	2	T	12 16 43.9			
H1N3	WAKE ISLAND Hy	30.36	2	T	12 16 50.7			
H1N2	WAKE ISLAND Hy	30.37	2	T	12 16 51.7			
WRM	Warramunga Arr	31.55	249	P	11 44 26.3	-2.0		
ASAR	Alce Springs	32.88	243	P	11 44 37.9	-2.1		
ILAR	Eielson Array	83.30	19	P	11 50 32.6	+0.8		
NVAR	Mina Array Bea	85.89	50	P	11 50 46.9	+1.1		
YKA	Yellowknife Ar	94.77	27	P	11 51 24.9	-1.8		

ISC/JB 06 11:39:01.5,0.4,10.77S,0.0:164.86E,0.05,h10km,  
 mb4.3/2, Error ellipse: s-maj=8.1km s-min=6.9km  
 az=150.0

IDC 06 11:39:01.7,0.9,10.69S,164.86E,h0km,mb4.1/12,  
 mb1.4/3/13,mb1mx4.4/3.9,mbtmp4.1/13,ML5.3/2,Error  
 ellipse: s-maj=26.3km s-min=18.5km az=136.0  
 NEIC 06 11:39:03.0,0.3,10.68S,164.88E,h10km,mb4.6/12,Error  
 ellipse: s-maj=7.2km s-min=5.5km az=94.0

ISC 06 11:39:03.1,0.6,10.72S,0.0:164.93E,0.07,h10km,n45,  
 r113/48,mb4.6/3,Santa Cruz Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
HNR	Honiara	5.07	284	Op	11 41 19.0	+1.0		
HNR	Honiara	5.07	284	eS	11 41 18.3	+0.3		
HNR	Honiara	5.07	284	eP	11 41 18.3	+0.3		
HNR	Honiara	5.07	284	eS	11 41 18.4	+0.5		
HNR	Honiara	5.07	284	eS	11 41 21.8	+3.9		
HNR	Honiara	5.07	284	P	11 40 20.0	+0.7		
HNR	Honiara	5.07	284	P	11 41 18.3	+0.3		
DZM	Mont Dzumac	11.10	165	eP	11 41 42.3	+0.3		
MARC	Mare, Loyalty	11.38	173	eP	11 41 46.7	+0.8		
DZM	Mont Dzumac	11.38	173	P	11 41 46.8	+0.9		
OUENC	Ouen Island, N	11.77	171	eP	11 41 52.4	+1.2		
PINNC	Pines Island	12.06	169	eP	11 41 56.7	+1.5		
MANU	Manus Island	19.45	295	eP	11 43 30.0	-1.3		
EIDS	Eidsvold	19.61	220	eP	11 43 31.2	-1.8		
CTA	Charters Tower	20.25	240	P	11 43 40.0	-0.8		
CTAO	Charters Tower	20.25	240	P	11 43 40.0	-0.8		
COEN	Coen	21.49	259	eP	11 43 52.5	+0.2		
ARMA	Armidale	23.18	210	eP	11 44 09.4	-0.7		
STKA	Stephens Creek	30.13	222	eP	11 45 14.8	+1.6		
STKA	Stephens Creek	30.13	222	P	11 45 14.4	+1.1		
WRAB	Tennant Creek	30.83	249	eP	11 45 18.5	-1.2		
WB2	Warramunga Arr	30.83	249	eP	11 45 19.6	0.0		
WR1	Warramunga Arr	30.84	249	eP	11 45 17.8	-1.9		
WRA	Warramunga Arr	30.84	249	P	11 45 17.8	-2.0		
ASAR	Alce Springs	32.23	242	P	11 45 29.6	-2.3		
BBOO	Buckleboo	34.47	226	eP	11 45 50.7	-0.6		
USRK	Ussuriysk Ar	62.30	334	eP	11 49 25.7	+0.2		
CM31	Chiang Mai Arr	71.25	294	eP	11 50 23.4	+0.2		
CMAR	Chiang Mai Arr	71.25	294	P	11 50 23.4	+0.2		
SONAO	Songino Array	77.94	324	eP	11 51 01.9	+0.3		
SONM	Songino Array	77.94	324	P	11 51 01.9	+0.3		
SONA1	Songino Array	77.94	324	eP	11 51 01.9	+0.3		
BILL	Bilibino	78.56	1	eP	11 51 04.6	+0.2		
QSPA	South Pole Qui	79.28	180	eP	11 51 08.7	-0.1		
HDA	Harding Lake	83.20	19	eP	11 51 29.1	-0.2		
ILAR	Eielson Array	83.47	19	P	11 51 30.8	+0.1		
ILB	Eielson Array	83.47	19	P	11 51 30.6	-0.1		
IL1	Eielson Array	83.47	19	P	11 51 30.6	-0.1		
NV01	Mina Array Sit	86.43	50	eP	11 51 46.0	-0.5		
NVAR	Mina Array Bea	86.43	50	P	11 51 46.5	0.0		
MK01	Makanchi Array	92.73	317	eP	11 52 14.7	-1.0		
MK32	Makanchi Array	92.74	317	eP	11 52 14.9	-0.8		
MKAR	Makanchi Array	92.74	317	P	11 52 14.9	-0.8		
ZALV	Zalesovo Beam	92.83	324	eP	11 52 14.8	-1.2		
ZALV	Zalesovo Beam	92.83	324	P	11 52 14.6	-1.3		
ZAA1	Zalesovo Array	92.83	324	eP	11 52 14.6	-1.3		
LTX	Lajitas	96.38	61	eP	11 52 34.0	+1.0		
TXAR	Lajitas Array	96.38	61	P	11 52 34.0	+1.0		

IDC 06 11:44:33.6,1.1,11.61S,165.66E,h0km,mb3.9/10,  
 mb1.4/2/11,mb1mx3.9/3.7,mbtmp4.0/11,ML4.3/1,Error  
 ellipse: s-maj=33.9km s-min=20.5km az=134.0  
 ISC/JB 06 11:44:35.6,0.5,11.85S,0.0:165.52E,0.08,h24km,  
 mb4.1/16, Error ellipse: s-maj=11.5km s-min=8.8km

az=179.2  
 NEIC 06 11:44:35.0,0.3,11.55S,165.59E,h10km,mb4.4/5,Error  
 ellipse: s-maj=9.8km s-min=7.3km az=91.0  
 ISC 06 11:44:37.6,0.7,11.57S,0.0:165.5E,0.1,h24km,m30,  
 r1500/30,mb4.1/16,Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
HNR	Honiara	5.90	291	Op	11 47 05.2	-1.3		
DZM	Mont Dzumac	10.48	175	eP	11 47 06.6	+0.1		
OUENC	Ouen Island, N	10.86	174	eP	11 47 10.4	-1.2		
PINNC	Pines Island	11.33	171	eP	11 47 16.7	+1.3		
EIDS	Eidsvold	19.38	223	eP	11 49 01.3	-0.5		
BKZ	Black Stump Fm	29.16	162	eP	11 50 38.6	+1.6		
WB2	Warramunga Arr	31.11	251	eP	11 50 54.6	+0.2		
WR1	Warramunga Arr	31.12	251	eP	11 50 55.0	+0.4		
WRA	Warramunga Arr	31.12	251	P	11 50 55.0	+0.4		
AS31	Alce Springs	32.38	244	eP	11 51 03.7	-1.9		
ASAR	Alce Springs	32.38	244	P	11 51 05.8	+0.2		
BBOO	Buckleboo	34.33	227	eP	11 51 21.7	-0.8		
FITZ	Fitzroy Crossi	39.05	256	eP	11 52 02.5	-0.5		
FITZ	Fitzroy Crossi	39.05	256	P	11 52 02.3	-0.6		
ASAJ	Asahikawa	59.22	341	eP	11 54 37.4	+0.6		
USRK	Ussuriysk Ar	63.32	334	eP	11 55 05.5	+0.9		
CM31	Chiang Mai Arr	71.24	294	eP	11 56 02.2	+1.4		
CMAR	Chiang Mai Arr	71.24	294	P	11 56 02.2	+1.4		
SONAO	Songino Array	78.97	324	eP	11 56 40.4	+0.9		
SONM	Songino Array	78.97	324	P	11 56 40.4	+0.9		
HDA	Harding Lake	83.80	19	eP	11 57 04.4	-0.2		
ILAR	Eielson Array	84.07	19	eP	11 57 05.5	-0.4		
ILB	Eielson Array	84.07	19	eP	11 57 05.2	-0.8		
NV01	Mina Array Sit	86.51	50	eP	11 57 18.5	-0.6		
NVAR	Mina Array Bea	86.51	50	P	11 57 19.1	0.0		
YKA	Yellowknife Ar	95.53	27	eP	11 57 58.4	-1.9		
YKBS	Yellowknife Ar	95.53	27	eP	11 57 58.9	-1.4		
ARCS	ARCS Array S	116.79	345	eP	12 03 19.2	-0.3		
ARCS	ARCS Array B	116.79	345	PKP	12 03 19.2	-0.3		

ISC/JB 06 11:45:49.8,0.3,11.77S,0.0:165.86E,0.05,h10km,  
 mb4.5/35, Error ellipse: s-maj=7.4km s-min=5.9km  
 az=161.9

IDC 06 11:45:50.2,0.6,11.75S,165.86E,h0km,mb4.4/20,  
 mb1.4/2/22,mb1mx4.4/3.9,mbtmp4.4/22,ML4.4/2,MS4.1/1,  
 MS1.4/1,ms1mx3.6/4.3, Error ellipse: s-maj=17.6km  
 s-min=14.3km az=109.0

NEIC 06 11:45:51.3,0.3,11.71S,165.95E,h10km,mb4.7/18,Error  
 ellipse: s-maj=7.0km s-min=5.8km az=101.0

ISC 06 11:45:51.0,0.4,11.78S,0.0:165.96E,0.06,h10km,n73,  
 r137/76,mb4.6/35,Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
HNR	Honiara	6.35	291	Op	11 48 36.0	-1.9		
HNR	Honiara	6.35	291	eS	11 48 36.0	-1.9		
HNR	Honiara	6.35	291	Pn	11 47 26.1	+1.2		
HNR	Honiara	12m,0.3s,baaz=161,slow=18,SNR=2		Sn	11 48 36.6	-1.0		
HNR	Honiara	12m,0.3s,baaz=161,slow=18,SNR=2		LR	11 49 59.2			
MARC	Mare, Loyalty	8.85	169	eP	11 48 14.1	+1.2		
DZM	Mont Dzumac	10.24	177	Pn	11 48 19.6	+1.3		
DZM	Mont Dzumac	10.24	177	Sn	11 48 08.6	-4.8		
OUENC	Ouen Island, N	10.61	176	eP	11 48 25.6	+2.2		
PINNC	Pines Island	11.33	171	eP	11 48 21.2	+0.9		
FUNA	Funafuti	13.43	77	eP	11 48 59.4	-2.5		
TARA	Tarawa	14.77	28	eP	11 49 18.8	-1.5		
EIDS	Eidsvold	19.50	224	eP	11 50 19.8	-0.1		
CTA	Charters Tower	20.65	244	P	11 50			











Error ellipse: s-maj=1.6km s-min=1.1km az=55.0, PRXIMO MDD EMS: III-IV INTENSIDAD MAXIMA INMG 06 11:56:27.9-1.6, 38.05N-3.32W, h2km, 3km, ML2.8, Error ellipse: s-maj=1.9km s-min=1.6km az=25.0 CNIRM 06 11:56:28.4, 37.88N-3.14W, h30km, ml3.7 ISC 06 11:56:26.6-1.1, 38.05N-0.02-3.31W-0.02, h12km, 9km, n53, r1932/89, 3C-2D, Spain

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like Quesada, Santiago Espad, Sierra Gorda, Berja, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like PVAO Vaqueiros, PVAO Vaqueiros, PBEJ Beja, PBDV Barranco-do-Ve, etc.

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res. Includes stations like EHY Hungye, TWE Neicheng, SSSL Suanglung, SMLT Sun Moon Lake, etc.

JMA 06 11:58:17.6-0.1, 24.03N-121.51E, h19km, 2km, M4.0 BUI 06 11:58:17.0, 24.13N-121.56E, h8km, mb4.2/17, ML4.2/4 ASIES 06 11:58:18.5, 24.09N-121.53E, h21km, MW3.9 TAP 06 11:58:19.0, 24.10N-121.53E, h21km, ML4.5, B NEIC 06 11:58:18.5-0.0, 24.09N-121.53E, h24km, mb4.1/3, ML4.5(TAP), After TAP. NEIC Recorded (5 TAP) in Hualien; (3 TAP) in Nantou and Yilan; (2 TAP) in Taichung; (1 TAP) in Hsinchu and Yunlin. ISCJB 06 11:58:19.1-0.2, 24.086N-0.010-121.59E-0.01, h23km, 1km, mb4.0/18, Error ellipse: s-maj=2.1km s-min=1.3km az=33.5 IDC 06 11:58:26.7-4.7, 24.01N-121.65E, h100km, 45km, mb3.7/13, mb1.3/9.14, mb1mx3.7/53, mbtmp4.0/14, Error ellipse: s-maj=18.1km s-min=15.1km az=93.0 ISC 06 11:58:18.0-5.2, 24.09N-0.01-121.57E-0.02, h19km, 1km, n165, r1905/259, mb4.0/18, 13C-32D, Taiwan



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PDAR Pinedale Array, MK01 Makanchi Array, MKAR Makanchi Array, etc.

ISCJB 06 12:06:19.3-0.7, 38.59N:0.03:27.95E:0.04, h3km,9km, Error ellipse: s-maj=6.1km s-min=4.8km az=26.8

DDA 06 12:06:19.3, 38.59N:27.95E, h7km,4km, ML2.6

ISK 06 12:06:19.1, 38.56N:27.92E, h5km, ML1.9/3

ISC 06 12:06:19.1, 38.59N:0.03:27.98E:0.03, h9km,12km, n8, 0630/15, Turkey

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like AKHS Akhisar, MANT Manisa, KULA Kula-Manisa, etc.

ISC 06 12:07:21.7-1.0, 11.91S:164.94E, h0km, mb4.1/13, mb1.4/2.14, mb1mx4.0/4.7, mbtmp4.0/14, ML4.0/1, Error ellipse: s-maj=34.0km s-min=18.9km az=144.0

NEIC 06 12:07:23.0-0.3, 11.95S:164.92E, h10km, mb4.4/4, Error ellipse: s-maj=9.7km s-min=7.7km az=108.0

ISCJB 06 12:07:25.1-0.4, 12.10S:0.07:164.86E:0.08, h33km, mb4.1/17, Error ellipse: s-maj=11.4km s-min=9.9km az=13.0

ISC 06 12:07:27.0-0.6, 11.99S:0.10:164.9E:0.1, h35km, n33, 0678/34, mb4.2/17, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, PINNC Pines Island, etc.

ISC 06 12:07:49.7-1.2, 11.05S:165.48E, h0km, mb4.1/8, mb1.4/5.9, mb1mx4.1/4.7, mbtmp4.2/9, ML3.6/1, Error ellipse: s-maj=42.7km s-min=22.0km az=154.0

ISCJB 06 12:07:52.9-1.0, 11.01S:0.2:165.4E:0.1, h30km, mb4.1/8, Error ellipse: s-maj=32.2km s-min=16.2km az=165.3

ISC 06 12:07:54.4-1.2, 11.01S:0.3:165.4E:0.1, h30km, n9, 06562/9, mb4.0/18, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, WRA Warrungarra Arr, ASAR Alice Springs, etc.

ISC 06 12:13:57.8-1.1, 11.50S:165.19E, h0km, mb3.9/6, mb1.4/2.7, mb1mx3.8/4.1, mbtmp3.9/7, ML3.6/1, Error ellipse: s-maj=45.9km s-min=24.6km az=137.0

ISCJB 06 12:14:01.3-0.8, 11.77S:0.1:165.2E:0.2, h34km, mb3.9/6, Error ellipse: s-maj=26.1km s-min=18.2km az=18.4

ISC 06 12:14:02.9-0.9, 11.65S:0.1:165.2E:0.2, h34km, n7, 06857/7, mb3.9/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, WRA Warrungarra Arr, ASAR Alice Springs, etc.

ISC 06 12:14:20.9-2.2, 6.65S:130.15E, h0km, mb3.8/1, mb1.3/7.5, mb1mx3.5/4.8, mbtmp3.6/5, ML3.5/4, Error ellipse: s-maj=52.6km s-min=28.9km az=81.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BATI Baumata, FITZ Fitzroy Crossi, WRA Warrungarra Arr, etc.

ISC 06 12:14:51.1-1.4, 11.82S:165.12E, h0km, mb4.1/15, mb1.4/1.16, mb1mx4.0/3.9, mbtmp4.0/16, ML4.6/1, Error ellipse: s-maj=23.7km s-min=23.7km az=130.0

NEIC 06 12:14:54.3-0.2, 11.54S:164.82E, h10km, mb4.4/10, Error ellipse: s-maj=7.6km s-min=5.5km az=72.0

ISCJB 06 12:14:55.8-0.3, 11.65S:0.05:164.78E:0.07, h34km, mb4.2/27, Error ellipse: s-maj=9.7km s-min=7.0km az=163.4

ISC 06 12:14:57.6-0.5, 11.82S:0.08:164.84E:0.10, h34km, n50, 06959/46, mb4.2/27, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, ONTNC Oun Toro, etc.

ISC 06 12:15:31.3-1.0, 11.74S:166.08E, h0km, mb4.1/17, mb1.4/3.17, mb1mx4.2/3.7, mbtmp4.1/17, Error ellipse: s-maj=32.6km s-min=19.6km az=141.0

NEIC 06 12:15:32.0-0.3, 11.84S:166.05E, h10km, mb4.6/6, Error ellipse: s-maj=9.5km s-min=6.5km az=130.0

ISCJB 06 12:15:33.2-0.4, 11.87S:0.06:165.99E:0.06, h30km, mb4.3/23, Error ellipse: s-maj=9.1km s-min=8.0km az=48.4

ISC 06 12:15:35.0-0.6, 11.87S:0.09:166.03E:0.09, h30km, n44, 06110/49, mb4.3/23, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CTAO Charters Tower, COEN Coen, ARMA Armadale, etc.

ISC 06 12:17:00.0-1.4, 29.65N:143.81E, h0km, mb4.0/9, mb1.0/4.0/14, mb1mx3.8/4.9, mbtmp3.9/14, ML3.2/5, Error ellipse: s-maj=53.4km s-min=15.5km az=80.0

ISCJB 06 12:17:05.2-0.6, 29.41N:0.04:142.6E:0.1, h22km, mb4.3/18, Error ellipse: s-maj=16.5km s-min=4.6km az=170.4

NEIC 06 12:17:07.0-0.8, 29.52N:143.30E, h35km, mb4.5/6, Error ellipse: s-maj=24.5km s-min=6.4km az=76.0

ISC 06 12:17:06.1-0.7, 29.47N:0.05:142.9E:0.1, h22km, n40, 06742/18, mb4.4/18, Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CBJJ Chichijima, MJAR Matsushiro Arr, MAJO Matsushiro, etc.

ISC 06 12:17:07.0-0.8, 29.52N:143.30E, h35km, mb4.5/6, Error ellipse: s-maj=24.5km s-min=6.4km az=76.0

ISC 06 12:17:06.1-0.7, 29.47N:0.05:142.9E:0.1, h22km, n40, 06742/18, mb4.4/18, Honshu

ISC 06 12:17:07.0-0.8, 29.52N:143.30E, h35km, mb4.5/6, Error ellipse: s-maj=24.5km s-min=6.4km az=76.0

ISC 06 12:17:06.1-0.7, 29.47N:0.05:142.9E:0.1, h22km, n40, 06742/18, mb4.4/18, Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CBJJ Chichijima, MJAR Matsushiro Arr, MAJO Matsushiro, etc.



IDC 06 12:18:06.1.1.0.16168N.60.94W, h0km, mb3.6/7, mb1 3.9/8, mb1mx3.7/43, mbtmp3.6/8, ML3.7/1, MS4.4/1, Ms1 4.4/1, ms1mx3.8/43, Error ellipse: s-maj=25.3km s-min=10.2km az=90.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, H m s, ISC. Includes stations like Gadeloupe/Mar, La Desirade, La Joyeuse, etc.

Table with columns: ILAR, Eielson Array, 83.67 19 P, 12 35 28.5 -0.3, etc.

IDC 06 12:26:45.8.2.3, 12.705x165.38E, h0km, mb3.6/4, mb1 3.9/5, mb1mx3.6/40, mbtmp3.7/5, ML4.5/1, Error ellipse: s-maj=67.5km s-min=33.7km az=140.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, H m s, ISC. Includes stations like Honiara, Warrungarra Arr, etc.

IDC 06 12:27:58.8.1.7, 11.345x164.78E, h0km, mb3.6/4, mb1 3.8/5, mb1mx3.6/44, mbtmp3.7/5, ML4.1/1, Error ellipse: s-maj=49.0km s-min=31.7km az=121.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, H m s, ISC. Includes stations like Mont Dzumac, Warrungarra Arr, etc.

IDC 06 12:29:04.6.1.8, 11.225x165.67E, h0km, mb3.7/3, mb1 4.0/4, mb1mx3.5/44, mbtmp3.7/5, ML4.5/1, Error ellipse: s-maj=55.5km s-min=32.3km az=128.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, H m s, ISC. Includes stations like Mont Dzumac, Warrungarra Arr, etc.

IDC 06 12:31:50.9.0.4, 0.96S, 146.98E, h0km, mb4.6/26, mb1 4.8/27, mb1mx4.6/44, mbtmp4.6/27, ML4.0/1, MS4.6/2, Ms1 4.6/2, ms1mx3.8/45, Error ellipse: s-maj=18.0km s-min=10.4km az=91.0

IDC 06 12:19:42.9.2.1, 11.455x166.04E, h0km, mb3.8/4, mb1 4.1/5, mb1mx3.7/37, mbtmp4.0/5, ML4.5/1, Error ellipse: s-maj=57.9km s-min=33.9km az=132.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, H m s, ISC. Includes stations like Honiara, Alice Springs, etc.

IDC 06 12:22:59.1.0.9, 11.155x165.73E, h0km, mb4.0/11, mb1 4.2/13, mb1mx4.0/35, mbtmp4.1/13, ML4.4/2, MS4.7/1, Ms1 4.7/1, ms1mx3.9/44, Error ellipse: s-maj=25.1km s-min=14.0km az=140.0

NEIC 06 12:23:00.6.0.4, 11.18S, 165.70E, h10km, mb4.5/4, Error ellipse: s-maj=10.1km s-min=6.8km az=83.0

ISC/JCB 06 12:23:01.9.0.4, 11.30S, 0.05, 165.62E, 0.07, h30km, mb4.3/17, MS4.7/1, Error ellipse: s-maj=10.0km s-min=7.0km az=149.5

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, H m s, ISC. Includes stations like Honiara, Warrungarra Arr, etc.

ISC/JCB 06 12:31:54.3.0.2, 1.01S, 0.04x147.01E, 0.04, h33km, mb4.8/84, Error ellipse: s-maj=6.1km s-min=4.6km az=38.7

MOS 06 12:31:54.1.1.0, 1.00S, 146.92E, h31km, mb5.1/27, Error ellipse: s-maj=12.6km s-min=6.3km az=96.0

NEIC 06 12:31:56.3.1.3, 0.99S, 146.92E, h36km, 12km, mb5.0/38, Error ellipse: s-maj=5.1km s-min=4.6km az=68.0

DJA 06 12:31:58.1.1.7, 0.81S, 147.17E, 1.0, h40km, 12km, MS5.3/23, mb4.9/23, mb5.4/2, MLV5.5/2, Mv(m)B4.8/2

ISC 06 12:31:56.3.0.3, 1.03S, 0.06, 146.99E, 0.07, h35km, n194, s126/185, mb4.9/89, 12C-9D, Admiralty Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, H m s, ISC. Includes stations like Jayapura, Ganyem, etc.

Large table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, H m s, ISC. Includes stations like Chichijima, WAKE ISLAND, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, etc. Includes stations like KOLD, DANN, PYUN, WMQ, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, etc. Includes stations like OBN, MDT, TOAO, etc.

Table with columns: Code, Station Name, Frequency, Mode, Power, Azimuth, Elevation, etc. Includes stations like HNR, CAN, STKA, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SARIN Sarigan, FITZ Fitzroy Crossi, etc.

Station details and coordinates for SARIN Sarigan: IDC 06 12:44:28.0.0.3, 11.575S; 165.67E, h0km, mb5.1/33, mb1 5.2/35, mb1mx5.2/45, mbtmp5.1/35, MLS 3/2, MSS 4/17, Ms1 5.4/17, ms1mx5.2/28, Error ellipse: s-maj=14.1km, s-min=11.2km az=97.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OMRZ Omania, HAZ Te Kaha, MXZ Matakaoa Point, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DCZ Deep Cove, SAUI Saumlaki, WHZ Wether Hill, etc.

Table with columns: PCJ, Pacitan, 53.61 268, P, P, 12.53 54.6 +2.8, etc. Lists various locations and their associated data points.

Table with columns: QIZ, QIZ, comp=Z,28nm,1.9s, S, S, 13.03 26.0 +2.5, etc. Lists various locations and their associated data points.

Table with columns: BJT, BJT, comp=Z,96nm,1.3s, LR, LR, 68.82 321, etc. Lists various locations and their associated data points.



CCUT	comp=Z,18nm,1.1s	90.06	52	eP	P	12 57 30.4	+0.1
MZCU	comp=Z,19nm,1.1s	90.29	52	eP	P	12 57 31.4	0.0
NEW	comp=Z,17nm,1.1s	90.32	41	eP	P	12 57 30.6	-0.4
NEW	comp=Z,3um,19.0s				LR		
NEW	comp=Z,3um,19.0s	90.32	41	P	P	12 57 30.3	-0.7
NEW	comp=Z,5.2nm,0.9s	90.32	41	P	P	12 57 30.1	-1.0
KNB	comp=Z,49nm,1.5s	90.53	52	eP	P	12 57 31.6	0.0
INK	comp=Z,23nm,1.4s	90.53	19	eP	P	12 57 30.4	-1.0
INK				PKIKP	PKIKP	13 02 25.8	-0.1
INK				PKKpbc	PKKpbc	13 14 59.1	+0.7
INK				PKKpbc	PKKpbc	12 57 30.1	-1.4
INK	comp=Z,1.1nm,0.8s	90.53	19	eP	P	13 02 25.8	-0.1
INK	comp=Z,1.1nm,0.8s	90.53	19	eP	P	13 14 59.1	+0.7
HLID	comp=Z,2.4nm,1.1s	90.53	46	eP	P	12 57 33.5	-0.2
HLID	comp=Z,27nm,1.5s				LR		
HLID	comp=Z,3um,19.0s	90.83	46	P	P	12 57 33.6	-0.1
PKCU	comp=Z,21nm,1.0s	90.85	52	eP	P	12 57 35.2	+1.1
TUC	comp=Z,4.6nm,0.9s	90.87	57	eP	P	12 57 34.4	+0.4
TUC	comp=Z,5um,19.0s				LR		
TUC	comp=Z,5um,19.0s	90.87	57	eP	P	12 57 34.4	+0.4
TUC	comp=Z,5um,19.0s				MLR		
TUC	comp=Z,5um,19.0s	90.87	57	P	P	12 57 33.2	-0.9
MTPU	comp=Z,19nm,0.9s	91.09	51	eP	P	12 57 36.1	+0.9
WUAZ	comp=Z,20nm,1.2s	91.13	54	eP	P	12 57 35.2	0.0
WUAZ	comp=Z,2um,20.0s				LR		
WUAZ	comp=Z,2um,20.0s	91.13	54	P	P	12 57 34.6	-0.7
DUG	comp=Z,17nm,1.1s	91.14	49	eP	P	12 57 35.1	0.0
DUG	comp=Z,2um,19.0s				LR		
DUG	comp=Z,2um,19.0s	91.14	49	eP	P	12 57 35.1	0.0
DUG	comp=Z,17nm,1.1s				MLR		
DUG	comp=Z,2um,19.0s	91.14	49	P	P	12 57 34.6	-0.5
BGU	comp=Z,11nm,1.0s	91.16	49	eP	P	12 57 34.9	-0.3
SYO	comp=Z,11nm,1.0s	91.16	197	eP	P	12 57 32.1	-2.4
SYO	comp=Z,11nm,1.0s	91.16	197	eP	P	12 57 38.4	-3.6
MSU	comp=Z,11nm,1.0s	91.21	51	eP	P	12 57 36.0	+0.4
MSU	comp=Z,11nm,1.0s	91.21	51	eP	P	12 57 36.0	+0.4
DGZ	comp=Z,11nm,1.0s	91.23	321	eP	P	12 57 35.5	+0.1
DGAR	comp=Z,11nm,1.0s	91.53	262	eP	P	12 57 50.0	+1.3
HVU	comp=Z,1um,22.0s	91.55	48	eP	P	12 57 36.8	-0.2
HVU	comp=Z,39nm,1.3s	91.55	48	eP	P	12 57 36.8	-0.2
HVU	comp=Z,39nm,1.3s				pmx		
NLU	comp=Z,39nm,1.3s	91.63	50	eP	P	12 57 37.2	-0.3
SPUT	comp=Z,19nm,1.2s	91.67	48	eP	P	12 57 37.7	0.0
MPU	comp=Z,19nm,1.2s	91.97	50	eP	P	12 57 39.2	+0.0
MSO	comp=Z,23nm,1.5s	92.00	43	eP	P	12 57 37.9	-1.1
MSO	comp=Z,23nm,1.5s	92.00	43	P	P	12 57 37.7	-1.2
CTU	comp=Z,9.9nm,0.9s	92.04	49	eP	P	12 57 39.4	0.0
X18A	comp=Z,17nm,1.5s	92.04	55	eP	P	12 57 39.8	+0.3
Q16A	comp=Z,23nm,1.3s	92.07	51	eP	P	12 57 40.1	+0.5
TMUT	comp=Z,44nm,1.7s	92.12	50	eP	P	12 57 40.2	+0.3
MCMT	comp=Z,23nm,1.4s	92.24	45	eP	P	12 57 40.4	+0.1
JLU	comp=Z,23nm,1.4s	92.24	49	eP	P	12 57 40.0	-0.4
W18A	comp=Z,23nm,1.4s	92.34	55	P	P	12 57 40.2	-0.7
DLMT	comp=Z,36nm,1.4s	92.54	44	eP	P	12 57 40.9	-0.7
SRU	comp=Z,3.8nm,0.8s	92.60	51	eP	P	12 57 42.7	+0.7
SRU	comp=Z,4.0nm,0.8s	92.60	51	eP	P	12 57 42.7	+0.7
AHID	comp=Z,2um,19.0s	92.99	47	eP	P	12 57 50.0	+6.3
FWXY	comp=Z,2um,19.0s	93.24	46	eP	P	12 57 44.9	-0.1
TPAW	comp=Z,4nm,1.4s	93.26	46	eP	P	12 57 44.1	-0.9
BOZ	comp=Z,22nm,1.4s	93.26	44	eP	P	12 57 44.5	-0.4
BOZ	comp=Z,3um,21.0s				LR		
BOZ	comp=Z,3um,21.0s	93.26	44	eP	P	12 57 44.5	-0.4
BOZ	comp=Z,22nm,1.4s				MLR		
BOZ	comp=Z,3um,21.0s	93.26	44	P	P	12 57 44.5	-0.4
REDW	comp=Z,26nm,1.6s	93.30	47	eP	P	12 57 44.6	-0.6
IMW	comp=Z,15nm,1.3s	93.36	46	eP	P	12 57 45.6	+0.1
YHB	comp=Z,2.1nm,1.5s	93.37	45	eP	P	12 57 46.2	+0.8
HRV	comp=Z,13nm,1.4s	93.38	43	eP	P	12 57 45.2	-0.1
121A	comp=Z,25nm,1.5s	93.39	58	eP	P	12 57 45.3	-0.5
MOOW	comp=Z,13nm,1.5s	93.56	46	eP	P	12 57 45.7	-0.2
YMR	comp=Z,23nm,1.5s	93.51	45	eP	P	12 57 46.8	+0.7
LOHW	comp=Z,15nm,1.4s	93.53	46	eP	P	12 57 46.0	-0.3
PV09	comp=Z,7.4nm,0.8s	93.53	52	eP	P	12 57 46.8	+0.3
PV19	comp=Z,6.8nm,0.6s	93.59	52	eP	P	12 57 46.4	-0.2
PV19	comp=Z,6.8nm,0.6s	93.61	52	eP	P	12 57 47.8	+1.0
PV23	comp=Z,13nm,1.4s	93.62	52	eP	P	12 57 47.1	+0.3
PV17	comp=Z,14nm,1.3s	93.62	52	eP	P	12 57 47.4	+0.6
PV16	comp=Z,14nm,1.3s	93.66	52	eP	P	12 57 47.5	+0.6
PV21	comp=Z,6.0nm,0.6s	93.67	52	eP	P	12 57 47.2	+0.2
PV04	comp=Z,6.5nm,0.9s	93.69	52	eP	P	12 57 46.9	-0.2
PV03	comp=Z,12nm,1.5s	93.70	52	eP	P	12 57 48.9	+1.8
H17A	comp=Z,5.9nm,0.9s	93.72	46	eP	P	12 57 48.4	+1.2
H17A	comp=Z,5.9nm,0.9s	93.72	46	P	P	12 57 47.8	+0.6
PV12	comp=Z,6.0nm,0.7s	93.75	52	eP	P	12 57 47.2	-0.2
MVCO	comp=Z,2um,19.0s	93.76	53	eP	P	12 58 00.0	+1.3

MVCO	comp=Z,2um,19.0s	93.76	53	P	P	12 57 46.0	-1.5
MK01	comp=Z,28nm,0.8s	93.81	317	eP	P	12 57 46.3	-0.9
MK31	comp=Z,145nm,0.8s	93.83	317	eP	P	12 57 47.4	+0.1
MK31	comp=Z,145nm,0.8s	93.83	317	eP	P	12 57 47.1	-0.2
MKAR	comp=Z,2.1nm,1.0s	93.83	317	eP	P	12 57 47.4	+0.1
MKAR	comp=Z,2.1nm,1.0s	93.83	317	eP	P	13 01 31.7	-1.4
MKAR	comp=Z,2.1nm,1.0s	93.83	317	eP	P	13 14 49.2	-2.6
MKAR	comp=Z,2.1nm,1.0s	93.83	317	eP	P	12 57 47.5	+0.3
MKAR	comp=Z,2.1nm,1.0s	93.83	317	eP	P	13 01 31.7	-1.4
MKAR	comp=Z,2.1nm,1.0s	93.83	317	eP	P	13 14 49.2	-2.6
MKAR	comp=Z,2.1nm,1.0s	93.83	317	eP	P	12 57 47.5	+0.3
MKAR	comp=Z,2.1nm,1.0s	93.83	317	eP	P	13 01 31.7	-1.4
MKAR	comp=Z,2.1nm,1.0s	93.83	317	eP	P	13 14 49.2	-2.6
LKWY	comp=Z,3um,19.0s	93.88	45	eP	P	12 57 49.4	+1.5
LKWY	comp=Z,3um,19.0s	93.88	45	eP	P	12 57 49.4	+1.5
PV01	comp=Z,5.5nm,1.1s	93.89	52	eP	P	12 57 47.6	-0.4
ZALV	comp=Z,9.9nm,0.9s	93.93	324	P	P	12 57 46.3	-1.2
MAK2	comp=Z,5.5nm,1.1s	94.04	317	eP	P	12 57 48.0	-0.2
MAK2	comp=Z,5.5nm,1.1s	94.04	317	eP	P	12 57 47.7	-0.5
MAK2	comp=Z,29nm,1.1s	94.04	317	eP	P	12 57 48.1	-0.8
BW06	comp=Z,2um,20.0s	94.10	47	eP	P	12 57 47.8	-1.1
BW06	comp=Z,2um,20.0s	94.10	47	P	P	12 57 47.8	-1.1
PD31	comp=Z,2um,20.0s	94.10	47	eP	P	12 57 48.0	-0.9
PDAR	comp=Z,2um,20.0s	94.10	47	eP	P	12 57 47.4	-1.5
PDAR	comp=Z,2um,20.0s	94.10	47	eP	P	12 57 47.6	-1.2
Q20A	comp=Z,2um,20.0s	94.54	50	P	P	12 57 49.6	-1.4
RLMT	comp=Z,3um,22.0s	94.78	45	eP	P	12 58 00.0	+8.0
RLMT	comp=Z,3um,22.0s	94.78	45	P	P	12 57 50.8	-1.2
ANMO	comp=Z,6.0nm,1.7s	94.94	55	eP	P	12 57 51.6	-1.3
ANMO	comp=Z,6.0nm,1.7s	94.94	55	eP	P	12 57 52.3	-0.6
ANMO	comp=Z,6.0nm,1.7s	94.94	55	P	P	12 57 51.6	-1.3
NVS	comp=Z,68nm,1.8s	95.04	325	eP	P	12 57 52.0	-0.6
NVS	comp=Z,68nm,1.8s	95.04	325	eP	P	12 57 52.0	-0.6
NVS	comp=Z,68nm,1.8s	95.04	325	eP	P	12 57 52.0	-0.6
NVS	comp=Z,68nm,1.8s	95.04	325	eP	P	12 57 52.0	-0.6
NVS	comp=Z,68nm,1.8s	95.04	325	eP	P	12 57 52.0	-0.6
EGMT	comp=Z,19nm,1.1s	95.15	42	eP	P	12 57 52.6	-0.3
EGMT	comp=Z,19nm,1.1s	95.15	42	eP	P	12 57 52.6	-0.3
EGMT	comp=Z,19nm,1.1s	95.15	42	eP	P	12 57 52.6	-0.3
EGMT	comp=Z,19nm,1.1s	95.15	42	eP	P	12 57 52.6	-0.3
S22A	comp=Z,4.3nm,0.6s	95.17	53	eP	P	12 57 54.0	0.0
S22A	comp=Z,4.3nm,0.6s	95.17	53	eP	P	12 57 53.5	-0.4
PMSA	comp=Z,6um,20.0s	95.21	161	eP	P	12 58 00.0	+6.7
PMSA	comp=Z,6um,20.0s	95.21	161	eP	P	12 58 00.0	+6.7
MNTX	comp=Z,3um,22.0s	95.24	59	eP	P	12 57 53.5	-0.5
MNTX	comp=Z,3um,22.0s	95.24	59	P	P	12 57 53.1	-1.0
YKA	comp=Z,4.3nm,0.6s	95.27	53	eP	P	12 57 53.0	-1.9
YKA	comp=Z,4.3nm,0.6s	95.27	53	eP	P	13 01 41.3	-5.1
YKA	comp=Z,4.3nm,0.6s	95.27	53	eP	P	13 02 34.5	-0.2
YKA	comp=Z,4.3nm,0.6s	95.27	53	eP	P	13 14 42.1	-6.4
SDCO	comp=Z,2um,19.0s	96.20	53	P	P	12 58 10.0	+1.1
SDCO	comp=Z,2um,19.0s	96.20	53	P	P	12 57 57.2	-1.5
K22A	comp=Z,2um,19.0s	96.27	48	P	P	12 57 57.6	-1.1
TX31	comp=Z,2um,19.0s	96.28	61	eP	P	12 58 00.1	+1.1
TXAR	comp=Z,2um,19.0s	96.28	61	eP	P	12 57 58.4	-0.6
N23A	comp=Z,1.2nm,0.7s	96.40	50	P	P	12 57 58.6	-0.9
ISCO	comp=Z,5um,22.0s	96.46	51	eP	P	12 58 10.0	+1.0
ISCO	comp=Z,5um,22.0s	96.46	51	P	P	12 57 59.0	-0.8
SNA4	comp=Z,15nm,1.2s	96.51	184	P	P	12 57 57.8	-1.3
SNA4	comp=Z,15nm,1.2s	96.51	184	P	P	12 57 57.6	-1.6
SNA4	comp=Z,15nm,1.2s	96.51	184	P	P	12 57 57.6	-1.6
NR1K	comp=Z,15nm,1.2s	96.61	340	P	P	12 57 58.9	-0.5
KURK	comp=Z,10nm,0.8s	96.98	320	eP	P	12 58 00.7	-0.8
KURK	comp=Z,10nm,0.8s	96.98	320	eP	P	13 01 53.2	-4.2
KURK	comp=Z,10nm,0.8s	96.98	320	eP	P	13 02 37.3	-0.2
KURK	comp=Z,10nm,0.8s	96.98	320	eP	P	12 58 00.3	-1.2
KURK	comp=Z,10nm,0.8s	96.98	320	eP	P	12 58 00.7	-0.8
KSH	comp=Z,510nm,7.9s	96.98	309	P	P	12 58 07.1	+5.1
KSH	comp=Z,510nm,7.9s	96.98	309	P	P	12 58 13.2	+0.2
KSH	comp=Z,510nm,7.9s	96.98	309	P	P	13 02 01.9	+3.9
KSH	comp=Z,510nm,7.9s</						







Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, ILAR Eielson Array, BEKR Beckworth, etc.

IDC 06 13:07:05.2:2.0, 11.57Sx165.46E, h0km, mb3.4/3, mb1 3.8/4, mb1mx3.5/3, mbtmp3.5/4, ML3.7/1, Error ellipse: s-maj=56.0km s-min=36.6km az=125.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, H11N1 WAKE ISLAND Hy 31.11, etc.

NNC 06 13:07:24.6:0.5, 47.41N-81.62E, h0km, mb3.7, mpv3.3, Error ellipse: s-maj=5.3km s-min=2.7km az=49.0, SOME 06 13:07:25.3, 47.37N-81.33E, h0km, IDC 06 13:07:26.6:0.8, 47.45N-0.03:81.92E:0.04, h12km, n29, 0:160/43, 10C-5D, Eastern Kazakhstan

Large table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MAKZ Makanchi Arr, MK31 Makanchi Arr, ZSN Zaisan, etc.

IDC 06 13:07:16.4:1.5, 12.17Sx165.62E, h0km, mb3.7/6, mb1 3.9/7, mb1mx3.7/33, mbtmp3.7/7, ML3.3/1, Error ellipse: s-maj=49.1km s-min=28.4km az=126.0, ISCBJ 06 13:08:19.4:0.9, 12.45S:0.1x165.7E:0.2, h33km, mb3.6/6, Error ellipse: s-maj=27.0km s-min=17.2km az=6.8, IDC 06 13:08:21.3:1.0, 12.35S:0.1x165.7E:0.2, h35km, n13, 0:050/7, mb3.7/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, H11S2 WAKE ISLAND Hy 30.60, H11S1 WAKE ISLAND Hy 30.61, etc.

IDC 06 13:10:02.8:1.1, 11.44Sx164.95E, h0km, mb3.7/3, mb1 4.0/4, mb1mx3.6/32, mbtmp3.8/4, ML3.3/1, Error ellipse: s-maj=51.3km s-min=32.8km az=128.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 06 13:11:51.3:3.8, 12.03Sx165.48E, h0km, mb3.8/4, mb1 4.0/4, mb1mx3.7/32, mbtmp3.8/4, Error ellipse: s-maj=163.0km s-min=33.8km az=139.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

IDC 06 13:18:04.7:1.4, 10.95Sx164.90E, h0km, mb3.5/4, mb1 3.9/5, mb1mx3.6/38, mbtmp3.6/5, ML4.2/1, Error ellipse: s-maj=50.2km s-min=29.2km az=135.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, H11S2 WAKE ISLAND Hy 29.30, H11S3 WAKE ISLAND Hy 29.31, etc.

IDC 06 13:20:12.8:3.0, 11.24Sx165.28E, h0km, mb3.6/3, mb1 3.9/4, mb1mx3.6/40, mbtmp3.8/4, ML4.3/1, Error ellipse: s-maj=64.5km s-min=41.8km az=84.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 06 13:22:27.3:1.8, 11.54Sx164.83E, h0km, mb3.9/6, mb1 4.1/9, mb1mx3.8/41, mbtmp4.0/9, ML4.1/3, Error ellipse: s-maj=36.9km s-min=28.0km az=95.0, ISCBJ 06 13:22:30.5:0.9, 11.70S:0.1x164.8E:0.1, h34km, mb3.9/9, Error ellipse: s-maj=17.1km s-min=10.6km az=136.6, NEIC 06 13:22:40.3:4.3, 11.60Sx164.88E, h23kmx23km, mb4.4/4, Error ellipse: s-maj=15.1km s-min=10.8km az=60.0, IDC 06 13:22:32.1:3.1, 11.16S:0.1x164.9E:0.2, h34km, n24, 0:054/19, mb4.1/9, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

IDC 06 13:23:42.2:1.1, 10.74Sx165.16E, h0km, mb3.8/6, mb1 4.1/7, mb1mx3.8/40, mbtmp3.8/7, ML3.9/1, Error ellipse: s-maj=47.6km s-min=24.9km az=136.0, NEIC 06 13:23:42.9:0.6, 10.81Sx165.38E, h10km, mb4.2/2, Error ellipse: s-maj=15.9km s-min=14.3km az=93.0, ISCBJ 06 13:23:44.5:0.7, 11.05S:0.1x165.3E:0.1, h30km, mb3.8/8, Error ellipse: s-maj=17.7km s-min=16.1km az=38.7, IDC 06 13:23:45.8:0.8, 10.95S:0.1x165.4E:0.1, h30km, n13, 0:190/13, mb3.8/8, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISCBJ 06 13:24:46.3:0.6, 10.90S:0.07x165.81E:0.09, h10km, mb4.0/7, Error ellipse: s-maj=13.0km s-min=9.4km az=157.8, IDC 06 13:24:46.6:1.5, 10.78Sx165.79E, h0km, mb3.9/6, mb1 4.0/7, mb1mx3.7/39, mbtmp3.9/7, ML3.7/1, Error ellipse: s-maj=37.5km s-min=30.7km az=99.0, NEIC 06 13:24:48.3:0.6, 10.84Sx165.77E, h10km, mb4.5/2, Error ellipse: s-maj=12.3km s-min=9.0km az=63.0, IDC 06 13:24:48.1:0.8, 10.85S:0.1x165.8E:0.1, h10km, n17, 0:109/17, mb3.9/7, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

IDC 06 13:25:49.6:1.8, 11.06Sx165.75E, h0km, mb3.5/3, mb1 3.9/5, mb1mx3.6/40, mbtmp3.8/5, ML4.3/2, Error ellipse: s-maj=42.6km s-min=33.8km az=128.0, Santa Cruz Islands













Table with columns for station ID, name, coordinates, and other parameters. Includes stations like U15A, INK, WMQ, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like YFT, PV14, PV23, etc.

Table with columns for station ID, name, coordinates, and other parameters. Includes stations like WMOK, ARCES, CPUP, etc.

KNTN	Kanton	23.04 71	eP	P	14 00 00.2 +0.3
KNTN	comp=Z,1µm,1.9s				
RAO	comp=Z,20µm,20.0s	23.42 144	LR	LR	14 07 11.8
RAO	Raoul Island	23.42 144	LR	LR	14 07 11.8
ARMA	Armidales	23.91 213	P	P	14 00 10.3 +1.7
NIUE	Niue	24.19 113	P	P	14 00 07.7 -3.3
OZU	comp=Z,24	25.14 166	eP	P	14 00 19.8 +0.3
OZU	Omahuta	25.14 166	eP	P	14 00 19.8 +0.3
OZU	comp=Z,1.70nm,1.5s				
QLP	Quilpie	26.21 230	P	P	14 00 30.9 +1.5
QLP	baz=26,SNR=13				
MAGD	Mangrove Creek	26.40 210	P	P	14 00 32.6 +1.6
JCY	Jayapura	26.89 286	P	P	14 00 35.2 -0.5
QIS	Mount Isa	27.61 246	P	P	14 00 43.2 +1.1
CMSA	Cobar Meteorol	28.21 220	P	P	14 00 48.3 +1.0
CMSA	baz=28,SNR=16				
HIZ	Hobart	28.58 166	eP	P	14 00 49.0 -1.4
HIZ	comp=Z,1.92nm,1.3s				
YNG	Young	28.64 212	P	P	14 00 52.3 +1.2
YNG	baz=29,SNR=7.4				
MXZ	Matakaoa Point	28.67 160	PFAKE	LR	14 01 00.0 +8.7
MXZ	comp=Z,4µm,19.0s				
URZ	Urewera	28.94 163	eP	P	14 00 52.9 -0.7
URZ	comp=Z,90nm,1.1s				
URZ	comp=Z,6µm,20.0s				
URZ	Urewera	28.94 163	P	P	14 00 54.0 +0.4
URZ	comp=Z,25nm,1.0s, baz=38,slow=11,SNR=6.1				
H11S2	WAKE ISLAND Hy 29.12	0	T	T	14 31 17.6
H11S3	WAKE ISLAND Hy 29.12	0	T	T	14 31 17.8
H11S3	baz=181,slow=76,SNR=213				
CAN	Canberra	29.13 210	P	P	14 00 56.6 +1.1
CAN	baz=181,slow=76,SNR=213				
CAN	Canberra	29.13 210	eP	LR	14 00 54.8 -0.7
CAN	comp=Z,1.11nm,1.1s				
CAN	Canberra	29.13 210	eP	P	14 00 54.8 -0.7
CAN	comp=Z,5µm,21.0s				
CAN	comp=Z,1.11nm,1.1s				
H11S1	WAKE ISLAND Hy 29.14	0	T	T	14 31 18.8
H11S1	baz=181,slow=76,SNR=216				
BKZ	Black Stump Fm	29.61 164	eP	P	14 00 58.6 -1.1
BKZ	comp=Z,7.1nm,0.9s				
BKZ	comp=Z,7µm,21.0s				
H11N1	WAKE ISLAND Hy 30.34	1	T	T	14 32 49.2
H11N1	baz=182,slow=76,SNR=86				
H11N3	WAKE ISLAND Hy 30.34	1	T	T	14 32 49.5
H11N3	baz=182,slow=76,SNR=86				
H11N2	WAKE ISLAND Hy 30.35	1	T	T	14 32 50.5
H11N2	baz=182,slow=76,SNR=85				
BFZ	Birch Farm	30.97 166	eP	P	14 01 11.0 -0.6
BFZ	comp=Z,54nm,0.9s				
STKA	Stevens Creek	31.12 224	P	P	14 01 14.3 +1.2
STKA	comp=Z,1.9µm,20.0s				
STKA	Stevens Creek	31.12 224	eP	P	14 01 13.9 +0.8
STKA	comp=Z,3.7nm,1.1s				
STKA	Stevens Creek	31.12 224	eP	P	14 01 13.9 +0.8
STKA	comp=Z,3.7nm,1.1s				
STKA	Stevens Creek	31.12 224	eP	P	14 01 14.1 +1.0
STKA	comp=Z,3µm,20.0s				
SNZO	South Karori	31.22 168	PFAKE	LR	14 01 30.0 +1.6
SNZO	comp=Z,1.9nm,0.8s, baz=151				
THZ	Tophouse	31.34 171	eP	P	14 01 14.8 -0.1
THZ	comp=Z,1.0µm,22.0s				
THZ	comp=Z,1.93nm,0.8s				
KHZ	Kahutara	32.08 170	eP	P	14 01 22.4 +1.1
KHZ	comp=Z,1.09nm,1.1s				
WR0	Warramunga Arr	32.08 250	PFAKE	LR	14 01 30.0 +8.3
WR0	comp=Z,2.1µm,18.0s				
WR9	Warramunga Arr	32.10 250	PFAKE	LR	14 01 30.0 +8.1
WR9	comp=Z,2.1µm,18.0s				
WR8	Warramunga Arr	32.12 250	PFAKE	LR	14 01 30.0 +8.0
WR8	comp=Z,2.0µm,19.0s				
WR7	Warramunga Arr	32.14 250	PFAKE	LR	14 01 30.0 +7.8
WR7	comp=Z,2.1µm,18.0s				
WR6	Warramunga Arr	32.16 250	PFAKE	LR	14 01 30.0 +7.6
WR6	comp=Z,2.1µm,18.0s				
WB0	Warramunga Arr	32.18 250	PFAKE	LR	14 01 30.0 +7.5
WB0	comp=Z,2.4µm,18.0s				
WR5	Warramunga Arr	32.18 250	PFAKE	LR	14 01 30.0 +7.5
WR5	comp=Z,2.4µm,18.0s				
WB9	Warramunga Arr	32.19 250	PFAKE	LR	14 01 30.0 +7.4
WB9	comp=Z,2.1µm,18.0s				
WB8	Warramunga Arr	32.20 250	PFAKE	LR	14 01 30.0 +7.3
WB8	comp=Z,2.4µm,18.0s				
WR4	Warramunga Arr	32.20 250	PFAKE	LR	14 01 30.0 +7.3
WR4	comp=Z,2.3µm,19.0s				
WB6	Warramunga Arr	32.22 250	PFAKE	LR	14 01 30.0 +7.1
WB6	comp=Z,2.1µm,18.0s				
WR3	Warramunga Arr	32.22 250	PFAKE	LR	14 01 30.0 +7.1
WR3	comp=Z,2.3µm,19.0s				
WB5	Warramunga Arr	32.22 250	PFAKE	LR	14 01 30.0 +7.1
WB5	comp=Z,2.2µm,19.0s				
Ltz	Lake Taylor	32.24 172	eP	P	14 01 22.3 -0.6
Ltz	comp=Z,2.2µm,19.0s				
Ltz	comp=Z,1.93nm,0.8s				
WRAB	Tennant Creek	32.25 250	eP	P	14 01 23.2 0.0
WRAB	comp=Z,2.5µm,20.0s				
WRAB	comp=Z,2.47nm,1.1s				
WRAB	Tennant Creek	32.25 250	eP	P	14 01 22.7 -0.5
WRAB	comp=Z,2.3µm,19.0s				
WB2	Warramunga Arr	32.25 250	eP	P	14 01 22.2 -0.9
WB2	comp=Z,1.26nm,1.7s				
WB2	comp=Z,2.4µm,18.0s				
WR1	Warramunga Arr	32.26 250	PFAKE	LR	14 01 30.0 +6.7
WR1	comp=Z,2.3µm,19.0s				
WRA	Warramunga Arr	32.26 250	P	P	14 01 23.7 +0.4
WRA	comp=Z,2.3µm,19.0s				
WC4	Warramunga Arr	32.26 250	PFAKE	LR	14 01 30.0 +6.7
WC4	comp=Z,3.7nm,1.0s, baz=82,slow=9.0,SNR=59				
GUMO	Guam	32.38 318	PFAKE	LR	14 01 40.0 +1.6
GUMO	comp=Z,2.2µm,19.0s				
TOO	Toolang	32.66 212	P	P	14 01 27.8 +1.3
TOO	baz=33,SNR=18				
FOZ	Fox Glacier	32.72 176	eP	P	14 01 26.7 -0.3
FOZ	comp=Z,1.56nm,0.9s				
OXZ	Oxford	32.75 173	eP	P	14 01 26.5 -0.7
OXZ	comp=Z,5µm,18.0s				
OXZ	comp=Z,1.40nm,0.8s				
OXZ	comp=Z,7µm,20.0s				

RPZ	Rata Peaks	33.02 174	eP	P	14 01 29.0 -0.6
RPZ	comp=Z,2.03nm,0.8s				
RPZ	comp=Z,12µm,18.0s				
RPZ	Rata Peaks	33.02 174	P	P	14 01 29.6 +0.1
RPZ	comp=Z,4.0nm,0.8s, baz=282,slow=3.4,SNR=23				
CRLZ	Canterbury Las	33.07 172	eP	P	14 01 27.1 -2.9
CRLZ	comp=Z,2.27nm,1.2s				
MQZ	McQueen's Vall	33.20 172	eP	P	14 01 28.4 -2.7
MQZ	comp=Z,1.25nm,1.0s				
MQZ	comp=Z,6µm,19.0s				
KDU	Kakadu	33.36 263	P	P	14 01 32.9 0.0
KDU	baz=34,SNR=21				
AS01	Alice Springs	33.52 243	eP	P	14 01 32.6 -1.7
AS01	Alice Springs	33.52 243	eP	P	14 01 33.6 -1.0
AS01	comp=Z,3.2nm,0.9s				
AS31	comp=Z,300nm,20.0s				
ASAR	Alice Springs	33.56 243	P	P	14 01 34.5 -0.2
ASAR	comp=Z,2.7nm,0.9s, baz=73,slow=9.3,SNR=34				
ASAR	PcP				
LBZ	Lake Benmore	33.60 175	PFAKE	LR	14 01 50.0 +1.5
LBZ	comp=Z,4.9nm,0.8s, baz=83,slow=2.9,SNR=4.1				
HTT	Hallett	33.86 224	P	P	14 01 38.4 +1.3
HTT	baz=34,SNR=17				
RAR	Rarotonga	33.95 112	LR	LR	14 13 36.5
RAR	comp=Z,18.1s, baz=288,slow=33				
WKZ	Wanaka	33.96 177	eP	LR	14 01 38.4 +0.5
WKZ	comp=Z,5µm,19.0s				
ARPS	Mount Arapiles	34.10 217	P	P	14 01 40.6 +1.4
ARPS	baz=34,SNR=9.6				
ODZ	Otahu Downs	34.29 175	eP	P	14 01 40.8 +0.1
ODZ	comp=Z,1.38nm,1.4s				
ODZ	comp=Z,5µm,19.0s				
MLZ	Mavora Lakes	34.46 178	eP	P	14 01 41.7 -0.4
MLZ	comp=Z,80nm,1.0s				
MLZ	comp=Z,5µm,20.0s				
DCZ	Deer Cove	34.53 179	eP	P	14 01 42.4 -0.3
DCZ	comp=Z,1.87nm,1.0s				
DCZ	comp=Z,3µm,21.0s				
SAUI	Saumaki	34.83 272	PFAKE	LR	14 02 00.0 +1.4
SAUI	comp=Z,10µm,20.0s				
FAKI	Fak Fak	34.87 280	PFAKE	LR	14 02 00.0 +1.4
FAKI	comp=Z,7µm,19.0s				
WHZ	Wether Hill Ro	34.98 178	eP	P	14 01 44.8 -1.8
WHZ	comp=Z,8.1nm,0.9s				
WHZ	comp=Z,4µm,19.0s				
PYZ	Puysegur Point	35.23 180	PFAKE	LR	14 02 00.0 +1.1
PYZ	comp=Z,4µm,18.0s				
BBOO	Bucklebo	35.53 227	P	P	14 01 52.6 +1.1
BBOO	baz=36,SNR=18				
TAU	Tasmania Univ	36.08 204	eP	P	14 01 56.1 +0.1
TAU	comp=Z,1.36nm,1.4s				
TAU	Tasmania Univ	36.08 204	eP	P	14 01 56.1 +0.1
TAU	comp=Z,1.36nm,1.4s				
BNDI	Bandaira	36.78 277	P	P	14 02 02.7 +0.3
BNDI	comp=Z,8.24nm,1.8s, comp=Z,1.9µm				
BNDI	comp=Z,8.24nm,1.8s, comp=Z,1.9µm				
BNDI	comp=Z,8.24nm,1.8s, comp=Z,1.9µm				
KNRA	Kunumura	37.02 258	P	P	14 02 05.4 +1.0
KNRA	baz=37,SNR=19				
XMAS	XMAS	38.07 73	PFAKE	LR	14 02 20.0 +6.6
XMAS	comp=Z,9µm,20.0s				
WRKA	Warakara	38.85 243	P	P	14 02 20.4 +0.5
WRKA	baz=39,SNR=14				
NLAI	Namlea	39.79 278	P	P	14 02 29.9 +2.1
NLAI	comp=Z,2.10nm,1.5s, comp=Z,3µm				
NLAI	comp=Z,2.10nm,1.5s, comp=Z,3µm				
FITZ	Fitzroy Crossi	40.16 255	P	P	14 02 31.3 +0.5
FITZ	baz=40,SNR=42				
FITZ	Fitzroy Crossi	40.16 255	P	P	14 02 31.3 +0.5
FITZ	comp=Z,2.9nm,0.9s, baz=80,slow=10.0,SNR=26				
TNTI	Ternate	40.58 284	LR	LR	14 02 50.0 +1.6
TNTI	comp=Z,4µm,22.0s				
FORT	Forest	40.78 235	P	P	14 02 37.1 +1.3
FORT	baz=37,SNR=7.3				
SANI	Sanana	41.14 279	P	P	14 02 38.7 -0.3
SANI	comp=Z,6.2nm,1.6s, comp=Z,3µm				
SOEI	Soe	41.55 267	eP	P	14 02 41.9 -0.5
SOEI	comp=Z,1.58nm,1.2s				
SOEI	comp=Z,7µm,20.0s				
SOEI	Soe	41.55 267	P	P	14 02 44.7 +2.2
SOEI	comp=Z,8.1nm,1.9s, comp=Z,3µm				
SOEI	comp=Z,8.1nm,1.9s, comp=Z,3µm				
BATI	Baumata	42.10 267	P	P	14 02 48.4 +1.6
BATI	comp=Z,7.7nm,1.5s, comp=Z,2µm				
BATI	comp=Z,7.7nm,1.5s, comp=Z,2µm				
BATI	Baumata	42.10 267	P	P	14 02 48.5 +1.6
BATI	comp=Z,4.0nm,0.8s, baz=334,slow=2.7,SNR=7.7				
PPT	Papeete	43.03 104	LR	LR	14 17 25.5
PPT	comp=Z,18.4s, baz=251,slow=3.1				
PPT2	Papeete2	43.03 104	eS	S	14 02 22.7 +3.6
PPT2	comp=Z,4µm,25.0s				
PPT2	comp=Z,5µm,25.0s				
PPT2	comp=Z,2.2µm,26.2s, baz=279				
PPTF	Pamatai, Papee	43.04 104	PFAKE	LR	14 03 10.0 +1.5
PPTF	comp=Z,1.2µm,21.0s				
MMRI	Maumere	43.66 269	eP	P	14 02 58.8 -0.6
MMRI	comp=Z,2.71nm,1.1s				
MMRI	comp=Z,3µm,22.0s				
MMRI	Maumere	43.66 269	P	P	14 03 00.2 +0.7
MMRI	comp=Z,2.25nm,1.2s, comp=Z,4µm				
TBI	Tubuai	43.73 112	eS	S	14 09 33.0 +3.9
TBI					



VLN	SNR=50	P	P	14 06 56.8 +0.9	
BILL	Bilibino comp=Z,240nm,1.4s	78.65 360	eP	P	14 06 55.5 -0.3
BILL	Bilibino	78.65 360	d/P	P	14 06 56.1 +0.3
BILL	comp=Z,246nm,1.7s		pmax	pmax	
SEW	Seward	78.91 21	eP	P	14 06 57.2 -0.1
SOMM	Songino Array comp=Z,54nm,1.2s	78.92 323	P	P	14 06 59.0 +1.1
SOMM	comp=Z,4.8nm,0.8s,baz=133,slow=5.6,SNR=21		PP	PP	14 06 57.9 +0.9
SOMM	comp=Z,1.9nm,1.0s,baz=108,slow=4.7,SNR=3.5		P	P	14 06 57.3 -0.7
SONAT	Songino Array	79.19 180	eP	P	14 06 58.0 -1.1
QSPA	South Pole Qui comp=Z,91nm,1.2s				
QSPA	comp=Z,2um,18.0s		LR	LR	
GTA	Gaotai	79.44 314	P	P	14 07 02.0 +1.1
GTA			pP	pP	14 07 06.0 -2.1
GTA			sP	sP	14 07 09.4 +0.5
GTA			sS	sS	14 17 06.7 +5.8
GTA			sS	sS	14 17 16.5 +0.3
GTA	comp=Z,720nm,4.9s		pmax	pmax	
GTA	comp=Z,1um,19.7s		LR	LR	
GTA	comp=Z,1um,20.6s		LR	LR	
GTA	comp=Z,2um,21.3s		LR	LR	
SUA	Susitna One	79.46 19	eP	P	14 06 59.7 -0.8
SC01	Scott Creek A comp=Z,235nm,2.0s	79.52 20	eP	P	14 06 59.6 -1.1
SC01	Rabbit Creek A comp=Z,84nm,1.2s	80.08 18	eP	P	14 07 02.9 -1.0
PPLA	Purkeypile	80.08 18	eP	P	14 07 02.9 -1.0
PMR	Palmer comp=Z,140nm,1.8s	80.09 20	eP	P	14 07 03.3 -0.4
PMR	Palmer comp=Z,123nm,1.4s	80.09 20	eP	P	14 07 03.3 -0.4
PMR	PMR		pmax	pmax	
KNK	Knik comp=Z,123nm,1.4s	80.18 20	eP	P	14 07 03.9 -0.4
KNK	Knik Glacier comp=Z,238nm,1.8s	80.18 20	eP	P	14 07 03.9 -0.4
GLI	Glacier Island comp=Z,252nm,1.8s	80.28 21	eP	P	14 07 04.5 -0.3
CAST	Castle Rocks comp=Z,105nm,1.4s	80.50 18	eP	P	14 07 05.1 -0.9
CAST			LR	LR	
SML	Sawmill comp=Z,2um,19.0s	80.51 20	eP	P	14 07 05.7 -0.4
SML	Sawmill comp=Z,259nm,1.7s	80.51 20	eP	P	14 07 05.7 -0.4
SML	Sawmill		pmax	pmax	
EYAK	Eyak comp=Z,259nm,1.7s	80.54 22	eP	P	14 07 05.8 -0.4
BOD	Bodaibo comp=Z,209nm,1.7s	80.64 335	eP	P	14 07 06.4 -0.4
BOD			pmax	pmax	
DIV	Divide comp=Z,113nm,1.8s	80.92 21	eP	P	14 07 07.5 -0.9
DIV	Divide comp=Z,145nm,1.5s	80.92 21	eP	P	14 07 07.5 -0.9
HMT	Hamilton comp=Z,178nm,1.5s	80.94 22	eP	P	14 07 08.2 -0.2
SHL	Shilling comp=Z,38nm,1.6s	81.06 298	eP	P	14 07 08.8 -1.2
SHL	Shilling	81.06 298	eP	P	14 07 08.8 -1.2
SHL			pmax	pmax	
SHL	Shilling comp=Z,98nm,1.6s	81.06 298	eP	P	14 07 08.9 -1.2
SHL	Shilling		IAMB	IAMB	14 07 16.0
TRF	Thorofore Moun comp=Z,128nm,1.8s	81.07 18	eP	P	14 07 08.0 -1.2
KLU	Klutina comp=Z,105nm,1.5s	81.12 21	eP	P	14 07 08.5 -0.9
KLU			LR	LR	
BPAW	Bear Paw Mtn comp=Z,79nm,1.1s	81.34 17	eP	P	14 07 09.5 -0.9
RND	Reindeer comp=Z,319nm,1.9s	81.48 19	eP	P	14 07 10.6 -0.7
RND			LR	LR	
RND	Reindeer	81.48 19	eP	P	14 07 10.6 -0.7
RND			pmax	pmax	
RND	comp=Z,319nm,1.9s		MLR	MLR	
RDOG	Red Dog Mine comp=Z,2um,18.0s	81.65 11	eP	P	14 07 12.1 +0.1
MCK	McKinley comp=Z,303nm,1.9s	81.69 18	eP	P	14 07 11.3 -1.0
MCK	McKinley comp=Z,265nm,1.7s	81.69 18	eP	P	14 07 11.3 -1.0
MCK	McKinley		pmax	pmax	
DHY	Denali Highway comp=Z,198nm,1.7s	81.72 19	eP	P	14 07 12.0 -0.7
DHY			LR	LR	
KCPM	Cahto Peak comp=Z,377nm,1.5s	81.85 47	eP	P	14 07 12.8 -1.0
ZAK	Zakamensk comp=Z,30nm,1.6s	81.94 325	eP	P	14 07 13.8 -0.2
ZAK			pmax	pmax	
KMRM	Mali Ridge comp=Z,176nm,1.4s	81.95 47	eP	P	14 07 14.2 -0.1
HOPS	Hopland Field comp=Z,194nm,1.5s	81.97 48	eP	P	14 07 13.8 -0.6
HARP	HAARP comp=Z,98nm,1.0s	82.00 21	eP	P	14 07 13.9 -0.1
IM3	Indian Moutai comp=Z,160nm,1.8s	82.10 17	eP	P	14 07 13.4 -0.5
MLY	Manley	82.10 17	eP	P	14 07 13.7 -0.8
KHMM	Horse Mountain comp=Z,400nm,1.8s	82.17 46	eP	P	14 07 15.8 +0.2
IRK	Irkutsk	82.27 327	eP	P	14 07 15.4 -0.2
IRK			pmax	pmax	
TLY	Talaya comp=Z,167nm,3.4s	82.35 326	eP	P	14 07 15.5 -0.5
TLY	Talaya comp=Z,98nm,1.2s		LR	LR	
TLY	Talaya comp=Z,4um,22.0s	82.35 326	d/P	P	14 07 16.3 +0.3
TLY	Talaya	82.35 326	P	P	14 07 16.5 +0.5
TLY	SNR=21		P	P	14 07 16.5 +0.5
SAO	San Andreas Ge comp=Z,100nm,1.3s	82.41 50	eP	P	14 07 16.9 +0.2
SAO	San Andreas Ge	82.41 50	eP	P	14 07 16.9 +0.2
SAO	comp=Z,6um,20.0s		pmax	pmax	
SAO	comp=Z,100nm,1.3s		MLR	MLR	
WRH	Wood River Hill comp=Z,139nm,1.8s	82.48 18	eP	P	14 07 15.6 -0.8
002D	Mt. Diablo Mer comp=Z,249,SNR=16	82.59 47	P	P	14 07 19.0 +1.3
L02E	Cave Junction comp=Z,249,SNR=16	82.73 45	P	P	14 07 19.6 +1.3
MDM	Murphy Dome comp=Z,360nm,2.0s	82.78 18	eP	P	14 07 16.7 -1.3
MDM			LR	LR	
SNCC	San Nicolas Is comp=Z,2um,20.0s	82.78 54	PFAKE	P	14 07 30.0 +1.1
SNCC			LR	LR	
SNCC	San Nicolas Is comp=Z,4um,19.0s	82.78 54	P	P	14 07 18.6 -0.1
HDA	Harding Lake comp=Z,135nm,1.1s	82.79 19	eP	P	14 07 16.8 -1.3
HDA	Harding Lake	82.79 19	P	P	14 07 17.9 -0.1
COL	CICO, UAF Yank comp=Z,226,SNR=50	82.83 18	eP	P	14 07 17.6 -0.6
COL	College	82.84 18	eP	P	14 07 17.3 -0.9
COLA	comp=Z,59nm,0.9s		LR	LR	
COLA	College comp=Z,2um,20.0s	82.84 18	d/P	P	14 07 17.2 -1.0
COLA	College		pmax	pmax	
LSA	Lhasa comp=Z,119nm,1.8s	82.86 302	eP	P	14 07 19.7 -0.1

LSA	comp=Z,3um,22.0s		LR	LR	
J01E	Myrtle Point	82.88 44	P	P	14 07 19.1 +0.2
K02D	Wiliamette Mer	82.89 44	P	P	14 07 19.4 +0.2
WDC	Whiskeytown Da comp=Z,302nm,1.9s	82.91 47	eP	P	14 07 18.8 -0.4
WDC	Whiskeytown Da comp=Z,3um,18.0s	82.91 47	eP	P	14 07 18.8 -0.4
WDC	Whiskeytown Da comp=Z,302nm,1.9s		pmax	pmax	
WDC	comp=Z,3um,18.0s		MLR	MLR	
SC2Z	Santa Cruz Isl	82.93 54	P	P	14 07 19.1 -0.3
N02D	Trinity Center	82.94 46	P	P	14 07 20.6 +1.2
M02C	Callahan	82.98 46	P	P	14 07 21.0 +1.3
PAGB	Antelope Grade comp=Z,305nm,2.0s	82.99 52	eP	P	14 07 18.9 -0.8
PAGB			LR	LR	
SBC	Santa Barbara	83.00 53	P	P	14 07 19.8 0.0
RIDG	Independen's Rid comp=Z,151nm,1.3s	83.01 20	eP	P	14 07 18.7 -0.6
SMMC	Simmler	83.06 52	P	P	14 07 20.8 +0.7
ILAR	Eielson Array comp=Z,12nm,0.8s,baz=248,slow=4.3,SNR=52	83.06 18	eP	P	14 07 17.8 -1.6
ILB	Eielson Array	83.06 18	eP	P	14 07 17.3 -2.1
IL1	Eielson Array	83.06 18	eP	P	14 07 21.0 +0.6
PKM	Mepherson Peak	83.06 53	P	P	14 07 19.1 -0.7
POKR	Poker Plat Res	83.14 18	P	P	14 07 19.1 -0.7
YBH	Yreka Blue Hor comp=Z,226nm,1.8s	83.20 45	eP	P	14 07 19.6 -1.1
YBH	Yreka Blue Hor	83.20 45	eP	P	14 07 19.7 -1.1
I02D	Swisshome	83.29 43	P	P	14 07 22.2 +1.1
ORV	Oroville	83.31 48	eP	P	14 07 20.4 -0.9
ORV	Oroville	83.31 48	eP	P	14 07 20.4 -0.9
ORV			pmax	pmax	
O03E	Paynes Creek	83.34 47	P	P	14 07 21.8 +0.3
HUMO	Hull Mountain comp=Z,128nm,1.5s	83.34 44	eP	P	14 07 22.0 0.0
BLG	Laguna Peak, P	83.41 54	P	P	14 07 21.3 -0.3
SCRK	Sand Creek	83.45 20	eP	P	14 07 23.0 +1.0
I03D	Drain, OR	83.47 43	eP	P	14 07 22.7 +0.3
SC12	San Clemente I	83.49 55	P	P	14 07 21.7 -0.6
AFDM	Forest Hills D	83.49 48	eP	P	14 07 22.1 -0.9
CMB	Columbia Colle comp=Z,99nm,1.4s	83.63 49	eP	P	14 07 22.1 -0.9
CMB	Columbia Colle	83.63 49	eP	P	14 07 22.1 -0.9
CMB			MLR	MLR	
L04D	Klamath Falls	83.66 45	P	P	14 07 23.3 +0.1
CIS	Catalina Islan	83.72 54	P	P	14 07 23.6 +0.1
BESE	Bessie Mountai comp=Z,208nm,1.4s	83.74 27	eP	P	14 07 22.8 -0.3
WRAK	Wrangell Islan	83.77 29	eP	P	14 07 23.1 -0.2
JIS	Juneau Islan comp=Z,248nm,1.8s	83.79 27	eP	P	14 07 22.8 -0.5
MOY	Mondy	83.81 325	eP	P	14 07 23.7 0.0
MOY			pmax	pmax	
M04C	Macdoel	83.83 46	P	P	14 07 24.8 +0.7
OSI	Osito Audit: C	83.83 53	PFAKE	P	14 07 30.0 +5.8
OSI			LR	LR	
OSI	Osito Audit: C	83.83 53	P	P	14 07 24.3 +0.2
VOG	Valley Oaks Go	83.84 51	P	P	14 07 24.3 +0.2
HYT	Haines Junctio comp=Z,95nm,1.4s	83.87 24	eP	P	14 07 22.7 -1.1
COLD	Coldfoot	83.88 16	eP	P	14 07 22.6 -0.9
ARVC	Arvin	83.91 53	P	P	14 07 24.7 +0.3
FMP	Fort Macarthur	83.91 54	P	P	14 07 24.8 +0.4
VES	Vestai, Richgr	83.92 52	P	P	14 07 24.7 +0.2
PRP	Porcupine Dome comp=Z,103nm,1.7s	83.99 18	eP	P	14 07 23.1 -1.3
SKAG	Skagway	84.01 26	eP	P	14 07 23.5 -0.9
DECC	Green Verdun	84.03 54	P	P	14 07 25.2 +0.1
G03D	McMinnville, O	84.09 42	P	P	14 07 26.0 +0.9
PASC	Pasadena Art C	84.13 54	eP	P	14 07 25.4 -0.2
PASC			LR	LR	
RUBR	Rubio Trail comp=Z,191nm,1.2s	84.13 49	eP	P	14 07 25.3 -0.5
RUBR			LR	LR	
I04A	Tendick Farm, T comp=Z,3um,21.0s	84.14 44	P	P	14 07 25.4 -0.1
J04D	Umpqua Nationa comp=Z,249,SNR=7.0	84.15 44	P	P	14 07 26.3 +0.5
K04D	Chiloquin, OR	84.18 45	P	P	14 07 26.5 +0.7
H04D	Lebanon	84.18 43	P	P	14 07 25.6 -0.1
BEKR	Beckworth	84.24 48	eP	P	14 07 26.3 0.0
MWC	Mount Wilson comp=Z,247nm,1.6s	84.24 54	eP	P	14 07 26.0 -0.5
MWC			LR	LR	
MWC	Mount Wilson	84.24 54	eP	P	14 07 26.0 -0.5
MWC			pmax	pmax	
MWC	comp=Z,5um,19.0s	84.24 54	eP	P	14 07 26.0 -0.5
MWC	comp=Z,247nm,1.6s		MLR	MLR	
ISA	Isabella, Lake	84.34 52	eP	P	14 07 26.2 -0.6
ISA			LR	LR	
ISA	Isabella, Lake	84.34 52	eP	P	14 07 26.2 -0.6
ISA			pmax	pmax	
ISA	comp=Z,197nm,1.6s		MLR	MLR	
ISA	comp=Z,4um,20.0s	84.34 52	P	P	14 07 27.1 +0.3
MDPB	Devils Postpil comp=Z,140nm,1.4s	84.48 50	eP	P	14 07 27.2 -0.5
MDPB			LR	LR	
WAKR	Walker	84.48 49	eP	P	14 07 28.0 +0.4
WAKR			LR	LR	
EDW2	Edwards Air Fo	84.49 53	P	P	14 07 27.9 +0.4
PNTR	Pine Nut	84.55 49	eP	P	14 07 27.9 -0.1
BFSC	Mount Baldy Ra	84.56 54	P	P	14 07 28.0 0.0
F04D	Rainier, OR	84.57 41	P	P	14 07 28.3 +0.8

VCNR	Virginia City comp=Z,220nm,2.0s	84.58 48	eP	P	14 07 28.1 0.0
H04A	Detroit Lake	84.61 43	eP	P	14 07 26.8 -1.1
109C	Camp Elliot, M	84.62 55	P	P	14 07 28.3 +0.2
CPE	Camp Elliot	84.62 55	eP	P	14 07 27.4 -0.7
CPE			LR	LR	
MLAC	Mammoth, Mammo	84.66 50	P	P	14 07 29.0 +0.5
MURC	Murrieta	84.75 55	P	P	14 07 28.9 +0.1
J05D	Fort Rock, OR	84.77 44	P	P	14 07 29.6 +0.8
YERR	Yerlington	84.78 49	eP	P	14 07 28.6 -0.5
FYU	Fort Yukon	84.79 17	eP	P	14 07 28.1 -0.1
WHY	Whitehorse	84.85 25	eP	P	14 07 28.5 -0.3
CWC	Cottonwood Cre comp=Z,133nm,1.8s	84.88 52	P	P	14 07 29.9 +0.3
PAHR	Pah Rah Range	84.90 48	eP	P	14 07 29.4 -0.2
PAHR					

TPNV	comp=Z,4um,21.0s	LR	LR		
TPNV	Topopah Spring	86.44	52	eP	P
TPNV	comp=Z,209nm,1.8s			pmx	pmx
TPNV				MLR	MLR
TPNV	comp=Z,4um,21.0s				
TPNV	Topopah Spring	86.44	52	P	P
TPNV	baz=254,SNR=20				
H06S	SOCORRO T	86.48	70	T	T
H06S	SNR=9.7				
LTY	Liberty	86.50	41	eP	P
LTY	comp=Z,246nm,1.9s				
LTY				LR	LR
GLA	comp=Z,3um,22.0s				
GLA	Glamis	86.51	56	eP	P
GLA	comp=Z,383nm,1.9s				
GLA				LR	LR
GLA	comp=Z,3um,21.0s				
GLA	Glamis	86.51	56	eP	P
GLA	comp=Z,383nm,1.9s				
GLA				MLR	MLR
GLA	comp=Z,3um,21.0s				
GLA	Glamis	86.51	56	P	P
F07A	Phinny Hill Vi	86.52	42	eP	P
F07A	baz=255,SNR=24				
JIRN	Jiri	86.53	299	eP	P
JIRN	comp=Z,310nm,1.8s				
JIRN	comp=Z,276nm,1.3s				
IRM	Iron Mountain	86.54	54	P	P
IRM	baz=254,SNR=41				
C06D	Leavenworth	86.58	40	P	P
C06D	baz=250				
J08A	Circle Bar Ran	86.69	45	eP	P
J08A	comp=Z,82nm,1.3s				
LDFC	Landfair	86.81	54	eP	P
LDFC	comp=Z,409nm,1.6s				
LDFC				LR	LR
GUN	Gumba	86.86	299	eP	P
GUN	comp=Z,237nm,1.8s				
LLBL	Lillooet	86.92	37	eP	P
LLBL	comp=Z,247nm,1.9s				
Y12C	Blythe	86.93	55	eP	P
Y12C	comp=Z,190nm,1.5s				
Y12C				LR	LR
Y12C	comp=Z,3um,20.0s				
Y12C	Blythe	86.93	55	P	P
Y12C	baz=255,SNR=27				
HAWA	Hanford	86.94	42	eP	P
HAWA	comp=Z,216nm,1.8s				
G08A	Pilot Rock	86.97	43	eP	P
G08A	comp=Z,110nm,1.4s				
NEE2	Needles Airpor	87.12	54	P	P
NEE2	baz=255				
SHPR	Sheep Range	87.16	52	eP	P
SHPR	comp=Z,342nm,1.9s				
SHPR				LR	LR
PKIN	Phulchoki	87.19	299	eP	P
PKIN	comp=Z,108nm,1.7s				
PALK	Pallekele	87.25	278	PFAKE	LR
PALK	comp=Z,1um,20.0s				
SRIG	Santa Rosalia	87.26	62	PFAKE	LR
SRIG	comp=Z,1um,20.0s				
E08A	Dider Farm, E	87.29	42	eP	P
E08A	comp=Z,204nm,1.5s				
113A	Mohawk Valley	87.30	56	eP	P
113A	comp=Z,331nm,2.0s				
113A				LR	LR
R11A	Troy Canyon, C	87.33	50	eP	P
R11A	comp=Z,138nm,1.8s				
R11A				LR	LR
R11A	comp=Z,5um,20.0s				
R11A	Troy Canyon, C	87.33	50	P	P
R11A	baz=254,SNR=33				
PDMC	Parker Dam, Lak	87.38	55	eP	P
PDMC	baz=255,SNR=12				
DMN	Daman	87.45	299	eP	P
DMN	comp=Z,127nm,1.2s				
D08A	Wollman Farm,	87.56	41	eP	P
D08A	comp=Z,203nm,1.8s				
B08A	Colville Reser	87.71	40	eP	P
B08A	comp=Z,133nm,1.6s				
W13A	Hualapai Mount	87.79	54	eP	P
W13A	comp=Z,220nm,1.8s				
W13A				LR	LR
214A	Organ Pipe Nat	87.88	57	P	P
214A	baz=256,SNR=28				
E09A	Wood Farm, Sta	87.89	42	eP	P
E09A	comp=Z,200nm,1.7s				
BMO	Blue Mountains	87.95	44	eP	P
BMO	comp=Z,180nm,1.7s				
BMO				pmx	pmx
BMO	Blue Mountains	87.95	44	eP	P
BMO	comp=Z,180nm,1.7s				
Y14A	Wickenburg	88.20	55	eP	P
Y14A	comp=Z,205nm,1.9s				
Y14A				LR	LR
C09A	Chrisman Ranch	88.21	41	eP	P
C09A	comp=Z,124nm,1.9s				
ELK	Elko	88.24	48	eP	P
ELK	comp=Z,175nm,1.8s				
ELK	Elko	88.24	48	eP	P
ELK	comp=Z,175nm,1.8s				
ELK				pmx	pmx
F10A	Beach Ranch, E	88.34	43	eP	P
F10A	comp=Z,175nm,1.8s				
PSUT	Pine Spring	88.69	51	eP	P
PSUT	comp=Z,283nm,1.9s				
PSUT				LR	LR
HSIG	comp=Z,4um,19.0s				
HSIG	comp=Z,357nm,2.0s				
HSIG				LR	LR
LCMT	comp=Z,6um,20.0s				
LCMT	Little Creek M	88.77	52	eP	P
LCMT	comp=Z,392nm,2.0s				
LCMT				LR	LR
DANN	Danging	88.78	299	eP	P
DANN	comp=Z,30nm,0.8s				
KOLN	Koldanda	88.79	298	eP	P
KOLN	comp=Z,123nm,1.7s				
CCUT	Cedar City	88.82	52	eP	P
CCUT	comp=Z,333nm,1.8s				
CCUT				LR	LR
MDRS	Chennai	88.82	283	eP	P
MDRS	comp=Z,5um,20.0s				
MDRS				IAMB	IAMB
SZCU	Shurtz Canyon	89.04	52	eP	P
SZCU	comp=Z,424nm,1.8s				
NEW	Newport	89.08	41	eP	P
NEW	comp=Z,125nm,1.6s				
NEW	Newport	89.08	41	eP	P
NEW	comp=Z,125nm,1.6s				
NEW				pmx	pmx
NEW	Newport	89.08	41	P	P
NEW	baz=253,SNR=11				
KNB	Kanab	89.10	52	eP	P
KNB	comp=Z,540nm,1.8s				
KNB				LR	LR
KNB	Kanab	89.10	52	eP	P
KNB	comp=Z,4um,22.0s				
KNB				pmx	pmx
KNB	Kanab	89.10	52	eP	P
KNB	comp=Z,540nm,1.8s				
KNB				MLR	MLR
U15A	North Rim	89.37	53	eP	P
U15A	comp=Z,516nm,1.9s				
U15A				LR	LR
PYUN	Piuthan	89.39	299	eP	P
PYUN	comp=Z,4um,19.0s				
INK	Inuvik	89.44	19	eP	P
INK	comp=Z,65nm,1.9s				
INK	Inuvik	89.44	19	P	P
INK	comp=Z,9.9nm,1.3s,baz=254,slow=6.4,SNR=7.4				
INK				LR	LR
INK	comp=Z,1um,18.7s,baz=219,slow=34				
WMQ	Urumqi	89.46	315	P	P

WMQ	comp=Z,65nm,1.9s				
WMQ	comp=Z,2um,4.9s				
WMQ	comp=Z,3um,22.9s				
WMQ	comp=Z,2um,17.7s				
WMQ	comp=Z,3um,27.9s				
X16A	Lo Mia Camp, P	89.58	55	eP	P
X16A	comp=Z,157nm,1.7s				
X16A				LR	LR
X16A	comp=Z,3um,20.0s				
HLID	Halley	89.58	46	eP	P
HLID	comp=Z,135nm,1.5s				
HLID				LR	LR
HLID	comp=Z,3um,18.0s				
HLID	Halley	89.58	46	P	P
PKCU	Pink Cliffs	89.60	52	eP	P
PKCU	comp=Z,908nm,2.0s				
PKCU				LR	LR
TUC	Tucson	89.63	57	eP	P
TUC	comp=Z,4um,19.0s				
TUC	comp=Z,169nm,1.7s				
TUC				LR	LR
TUC	comp=Z,5um,20.0s				
TUC	Tucson	89.63	57	eP	P
TUC	comp=Z,169nm,1.7s				
TUC				MLR	MLR
TUC	comp=Z,5um,20.0s				
TUC	Tucson	89.63	57	P	P
TUC	baz=257				
TCRU	Three Creeks R	89.78	51	PFAKE	LR
TCRU	comp=Z,5um,20.0s				
MTPU	Mount Pierson	89.84	51	eP	P
MTPU	comp=Z,232nm,1.4s				
MTPU				LR	LR
MTPU	comp=Z,5um,21.0s				
WUAZ	Wupatki	89.88	54	eP	P
WUAZ	comp=Z,350nm,1.8s				
WUAZ	Wupatki	89.88	54	P	P
WUAZ	baz=257,SNR=47				
DUG	Dugway, Tooele	89.89	49	eP	P
DUG	comp=Z,221nm,1.7s				
DUG				LR	LR
DUG	comp=Z,3um,21.0s				
DUG	Dugway, Tooele	89.89	49	eP	P
DUG	comp=Z,221nm,1.7s				
DUG				MLR	MLR
DUG	comp=Z,3um,21.0s				
DUG	Dugway, Tooele	89.89	49	P	P
DUG				LR	LR
BGU	Big Grassy Mou	89.91	48	eP	P
BGU	comp=Z,242nm,1.7s				
BGU				LR	LR
BGU	comp=Z,2um,20.0s				
MSU	Marysvale	89.96	51	eP	P
MSU	comp=Z,2um,20.0s				
MSU	Marysvale	89.96	51	eP	P
HVU	Hansel Valley	90.30	48	eP	P
HVU	comp=Z,361nm,1.6s				
HVU	Hansel Valley	90.30	48	eP	P
HVU	comp=Z,361nm,1.6s				
NLU	North Lily Min	90.38	49	eP	P
NLU	comp=Z,222nm,1.6s				
NLU				LR	LR
SPUT	South Promonto	90.42	48	eP	P
SPUT	comp=Z,5um,20.0s				
319A	Douglas	90.68	58	eP	P
319A	comp=Z,301nm,1.8s				
319A				LR	LR
MPU	Maple Canyon	90.72	49	eP	P
MPU	comp=Z,201nm,1.6s				
MPU				LR	LR
MSO	Missoula	90.76	42	eP	P
MSO	comp=Z,5um,20.0s				
MSO	Missoula	90.76	42	eP	P
MSO	comp=Z,5um,20.0s				
CTU	Camp Tracy	90.79	49	eP	P
CTU	comp=Z,120nm,1.3s				
CTU				LR	LR
X18A	Snowflake	90.80	55	eP	P
X18A	comp=Z,2um,18.0s				
X18A	comp=Z,167nm,1.5s				
X18A				LR	LR
X18A	comp=Z,2um,18.0s				
Q16A	Castle Valley	90.82	51	eP	P
Q16A	comp=Z,469nm,1.9s				
Q16A				LR	LR
TMUT	Trail Mountain	90.88	50	eP	P
TMUT	comp=Z,256nm,1.8s				
TMUT				LR	LR
TMUT	comp=Z,3um,22.0s				
JLU	Jordanelle	90.99	49	eP	P
JLU	comp=Z,231nm,1.6s				
JLU				LR	LR
MCMT	McKenzie Canyo	91.00	45	eP	P
MCMT	W18A	91.10	55	eP	P
MCMT	comp=Z,298nm,1.8s				
W18A				LR	LR
W18A	comp=Z,2um,21.0s				
W18A	Petrified Fore	91.10	55	P	P
W18A	baz=259,SNR=19				
TRD	Trivandrum	91.13	278	eP	P
TRD	comp=Z,259nm,1.9s				
TCUT	Toone Canyon	91.14	48	eP	P
TCUT	comp=Z,250nm,1.4s				
DGZ	Jazzator, Alta	91.19	320	eP	P
DGZ	Hyderabad	91.25	287	eP	P
DGZ				LR	LR
HYB	Hyderabad	91.25	287	eSKS	SKSac
HYB				LR	LR
HYB	Hyderabad	91.25	287	eP	P
HYB				IAMB	IAMB
P17A	Butcher Ranch,	91.27	50	eP	P
P17A	comp=Z,176nm,1.8s				
P17A				LR	LR
P17A	comp=Z,3um,18.0s				
DLMT	Dillon	91.30	44	eP	P
DLMT	comp=Z,188nm,1.4s				
DLMT				LR	LR
DLMT					



6d 13h

SMCO	Snowmass	94.07	51	eP	P	14 08 12.0	-1.4
SMCO	MAKZ Makanchi	94.08	317	eP	LR	14 08 12.0	-0.8
MAKZ	Makanchi	94.08	317	eP	P	14 08 12.0	-0.8
RWWY	Rawlins	94.35	49	eP	P	14 08 14.0	-0.5
YKA	Yellowknife Ar	94.43	27	P	P	14 08 12.4	-1.5
YKA	Yellowknife Ar	94.43	27	P	P	14 11 50.6	-1.1
YKA	Yellowknife Ar	94.43	27	P	P	14 25 15.4	-0.2
YKBS	Yellowknife Ar	94.43	27	P	P	14 08 11.7	-2.2
YKWS	Yellowknife Ar	94.44	27	eP	P	14 08 12.7	-1.3
NVS	Novosibirsk	94.90	325	iP	P	14 08 16.0	-0.3
SMLA	Simla	94.94	301	eP	P	14 08 15.9	-1.1
SDCO	Great Sand Dun	94.96	53	eP	P	14 08 16.9	-0.5
SDCO	Great Sand Dun	94.96	53	eP	LR	14 08 17.3	-0.1
ZAIG	Zacatecas	94.96	68	PFAKE	LR	14 08 30.0	+1.2
K22A	Casper	95.02	48	eP	P	14 08 16.3	-1.1
K22A	Casper	95.02	48	eP	LR	14 08 17.1	-0.3
TX31	Lajitas Ar. Si	95.07	61	eP	P	14 08 16.9	-0.9
TXAR	Lajitas Array	95.07	61	eP	P	14 08 18.1	+0.3
TXAR	Lajitas Array	95.07	61	eP	P	14 12 09.0	+1.4
N23A	Red Feather La	95.15	50	eP	P	14 08 17.6	-0.5
N23A	Red Feather La	95.15	50	eP	LR	14 08 18.9	+0.8
ISCO	Idaho Springs	95.22	51	eP	P	14 08 18.2	-0.3
ISCO	Idaho Springs	95.22	51	eP	LR	14 08 18.2	-0.3
ISCO	Idaho Springs	95.22	51	eP	MLR	14 08 19.1	+0.6
ISCO	Idaho Springs	95.22	51	eP	P	14 08 19.9	+0.3
PHWY	Pilot Hill	95.58	49	eP	P	14 08 19.8	-0.4
PHWY	Pilot Hill	95.58	49	eP	LR	14 08 19.3	-1.4
T25A	Trinidad	95.71	53	eP	LR	14 08 20.7	-0.1
T25A	Trinidad	95.71	53	eP	P	14 08 20.3	-1.2
DHRM	DHARAMSHALA	95.85	302	eP	IAMB	14 08 20.3	-1.2
DHRM	DHARAMSHALA	95.85	302	eP	IAMB	14 08 29.2	
POO	Poona	95.86	288	eP	IAMB	14 08 21.3	0.0
POO	Poona	95.86	288	eP	IAMB	14 08 22.0	+0.7
LAO	LASA Array	95.91	44	eP	P	14 08 21.6	-0.1
LAO	LASA Array	95.91	44	eP	P	14 12 13.0	-1.9
NRIK	Nori'sk	96.17	339	P	P	14 08 22.4	-2.0
NRIK	Nori'sk	96.17	339	P	P	14 08 23.8	-0.6
MSTX	Muleshoe	96.55	57	eP	P	14 08 40.0	+1.5
MSTX	Muleshoe	96.55	57	eP	LR	14 08 23.6	-2.1
MSTX	Muleshoe	96.55	57	eP	P	14 08 24.3	-1.3
JRQC	Juriquilla Cam	96.57	70	PFAKE	LR	14 08 24.6	-1.0
JRQC	Juriquilla Cam	96.57	70	PFAKE	P	14 08 25.8	-0.8
KURK	Kurchatov	96.94	320	eP	P	14 08 25.8	-0.8
KURK	Kurchatov	96.94	320	eP	P	14 08 26.6	0.0
RSSD	Black Hills	97.05	47	eP	P	14 08 29.0	+1.6
RSSD	Black Hills	97.05	47	eP	P	14 08 34.3	-0.3
RSSD	Black Hills	97.05	47	eP	P	14 12 28.2	+4.4
RSSD	Black Hills	97.05	47	eP	P	14 19 08.0	+4.7
RSSD	Black Hills	97.05	47	eP	P	14 19 50.4	+0.4
RSSD	Black Hills	97.05	47	eP	P	14 19 59.2	+0.3
RSSD	Black Hills	97.05	47	eP	P	14 26 33.2	+5.6
KSH	Kashi	97.19	309	P	P	14 08 29.0	+1.6
KSH	Kashi	97.19	309	P	P	14 08 34.3	-0.3
KSH	Kashi	97.19	309	P	P	14 12 28.2	+4.4
KSH	Kashi	97.19	309	P	P	14 19 08.0	+4.7
KSH	Kashi	97.19	309	P	P	14 19 50.4	+0.4
KSH	Kashi	97.19	309	P	P	14 19 59.2	+0.3
KSH	Kashi	97.19	309	P	P	14 26 33.2	+5.6
KSH	Kashi	97.19	309	P	P	14 08 29.0	+1.6
KSH	Kashi	97.19	309	P	P	14 08 34.3	-0.3
KSH	Kashi	97.19	309	P	P	14 12 28.2	+4.4
KSH	Kashi	97.19	309	P	P	14 19 08.0	+4.7
KSH	Kashi	97.19	309	P	P	14 19 50.4	+0.4
KSH	Kashi	97.19	309	P	P	14 19 59.2	+0.3
KSH	Kashi	97.19	309	P	P	14 26 33.2	+5.6
KSH	Kashi	97.19	309	P	P	14 08 29.0	+1.6
KSH	Kashi	97.19	309	P	P	14 08 34.3	-0.3
KSH	Kashi	97.19	309	P	P	14 12 28.2	+4.4
KSH	Kashi	97.19	309	P	P	14 19 08.0	+4.7
KSH	Kashi	97.19	309	P	P	14 19 50.4	+0.4
KSH	Kashi	97.19	309	P	P	14 19 59.2	+0.3
KSH	Kashi	97.19	309	P	P	14 26 33.2	+5.6
KSH	Kashi	97.19	309	P	P	14 08 29.0	+1.6
KSH	Kashi	97.19	309	P	P	14 08 34.3	-0.3
KSH	Kashi	97.19	309	P	P	14 12 28.2	+4.4
KSH	Kashi	97.19	309	P	P	14 19 08.0	+4.7
KSH	Kashi	97.19	309	P	P	14 19 50.4	+0.4
KSH	Kashi	97.19	309	P	P	14 19 59.2	+0.3
KSH	Kashi	97.19	309	P	P	14 26 33.2	+5.6
KSH	Kashi	97.19	309	P	P	14 08 29.0	+1.6
KSH	Kashi	97.19	309	P	P	14 08 34.3	-0.3
KSH	Kashi	97.19	309	P	P	14 12 28.2	+4.4
KSH	Kashi	97.19	309	P	P	14 19 08.0	+4.7
KSH	Kashi	97.19	309	P	P	14 19 50.4	+0.4
KSH	Kashi	97.19	309	P	P	14 19 59.2	+0.3
KSH	Kashi	97.19	309	P	P	14 26 33.2	+5.6
KSH	Kashi	97.19	309	P	P	14 08 29.0	+1.6
KSH	Kashi	97.19	309	P	P	14 08 34.3	-0.3
KSH	Kashi	97.19	309	P	P	14 12 28.2	+4.4
KSH	Kashi	97.19	309	P	P	14 19 08.0	+4.7
KSH	Kashi	97.19	309	P	P	14 19 50.4	+0.4
KSH	Kashi	97.19	309	P	P	14 19 59.2	+0.3
KSH	Kashi	97.19	309	P	P	14 26 33.2	+5.6
KSH	Kashi	97.19	309	P	P	14 08 29.0	+1.6
KSH	Kashi	97.19	309	P	P	14 08 34.3	-0.3
KSH	Kashi	97.19	309	P	P	14 12 28.2	+4.4
KSH	Kashi	97.19	309	P	P	14 19 08.0	+4.7
KSH	Kashi	97.19	309	P	P	14 19 50.4	+0.4
KSH	Kashi	97.19	309	P	P	14 19 59.2	+0.3
KSH	Kashi	97.19	309	P	P	14 26 33.2	+5.6
KSH	Kashi	97.19	309	P	P	14 08 29.0	+1.6
KSH	Kashi	97.19	309	P	P	14 08 34.3	-0.3
KSH	Kashi	97.19	309	P	P	14 12 28.2	+4.4
KSH	Kashi	97.19	309	P	P	14 19 08.0	+4.7
KSH	Kashi	97.19	309	P	P	14 19 50.4	+0.4
KSH	Kashi	97.19	309	P	P	14 19 59.2	+0.3
KSH	Kashi	97.19	309	P	P	14 26 33.2	+5.6
KSH	Kashi	97.19	309	P	P	14 08 29.0	+1.6
KSH	Kashi	97.19	309	P	P	14 08 34.3	-0.3
KSH	Kashi	97.19	309	P	P	14 12 28.2	+4.4
KSH	Kashi	97.19	309	P	P	14 19 08.0	+4.7
KSH	Kashi	97.19	309	P	P	14 19 50.4	+0.4
KSH	Kashi	97.19	309	P	P	14 19 59.2	+0.3
KSH	Kashi	97.19	309	P	P	14 26 33.2	+5.6
KSH	Kashi	97.19	309	P	P	14 08 29.0	+1.6
KSH	Kashi	97.19	309	P	P	14 08 34.3	-0.3
KSH	Kashi	97.19	309	P	P	14 12 28.2	+4.4
KSH	Kashi	97.19	309	P	P	14 19 08.0	+4.7
KSH	Kashi	97.19	309	P	P	14 19 50.4	+0.4
KSH	Kashi	97.19	309	P	P	14 19 59.2	+0.3
KSH	Kashi	97.19	309	P	P	14 26 33.2	+5.6
KSH	Kashi	97.19	309	P	P	14 08 29.0	+1.6
KSH	Kashi	97.19	309	P	P	14 08 34.3	-0.3
KSH	Kashi	97.19	309	P	P	14 12 28.2	+4.4
KSH	Kashi	97.19	309	P	P	14 19 08.0	+4.7
KSH	Kashi	97.19	309	P	P	14 19 50.4	+0.4
KSH	Kashi	97.19	309	P	P	14 19 59.2	+0.3
KSH	Kashi	97.19	309	P	P	14 26 33.2	+5.6
KSH	Kashi	97.19	309	P	P	14 08 29.0	+1.6
KSH	Kashi	97.19	309	P	P	14 08 34.3	-0.3
KSH	Kashi	97.19	309	P	P	14 12 28.2	+4.4
KSH	Kashi	97.19	309	P	P	14 19 08.0	+4.7
KSH	Kashi	97.19	309	P	P	14 19 50.4	+0.4
KSH	Kashi	97.19	309	P	P	14 19 59.2	+0.3
KSH	Kashi	97.19	309	P	P	14 26 33.2	+5.6
KSH	Kashi	97.19	309	P	P	14 08 29.0	+1.6
KSH	Kashi	97.19	309	P	P	14 08 34.3	-0.3
KSH	Kashi	97.19	309	P	P	14 12 28.2	+4.4
KSH	Kashi	97.19	309	P	P	14 19 08.0	+4.7
KSH	Kashi	97.19	309	P	P	14 19 50.4	+0.4
KSH	Kashi	97.19	309	P	P	14 19 59.2	+0.3
KSH	Kashi	97.19	309	P	P	14 26 33.2	+5.6
KSH	Kashi	97.19	309	P	P	14 08 29.0	+1.6
KSH	Kashi	97.19	309	P	P	14 08 34.3	-0.3
KSH	Kashi	97.19	309	P	P	14 12 28.2	+4.4
KSH	Kashi	97.19	309	P	P	14 19 08.0	+4.7
KSH	Kashi	97.19	309	P	P	14 19 50.4	+0.4
KSH	Kashi	97.19	309	P	P	14 19 59.2	+0.3
KSH	Kashi	97.19	309	P	P	14 26 33.2	+5.6
KSH	Kashi	97.19	309	P	P	14 08 29.0	+1.6
KSH	Kashi	97.19	309	P	P	14 08 34.3	-0.3
KSH	Kashi	97.19	309	P	P	14 12 28.2	+4.4
KSH	Kashi	97.19	309	P	P	14 19 08.0	+4.7
KSH	Kashi	97.19	309	P	P	14 19 50.4	+0.4
KSH	Kashi	97.19	309	P	P	14 19 59.2	+0.3
KSH	Kashi	97.19	309	P	P</		

Table with columns: Call Sign, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like Waverly Hall, Columbus Grove, Loudon, Ann Arbor, Whigham, Americus, Libburn, Las Campanas, Murphy, Tuckaleechee C, Beattyville, Sevierville, Tazewell, Peebles, Fremont, Tifton, Alum Creek Sta, Williamsport, Godfrey, Minazif, Montrose, Saluda, McAlpin, Nana, Ambohimpantom, Adamsville, Willston, Hazlehurst, Wimauma, Whipple, Hilliard, Kings Mountain, Disney Wildern, Bunnell, Erie, Otavalo, Skidaway Islan, Moore Haven, Milna Guanaco, Moraine State, Isla Barro Col, Sadowa, Blacksburg, Ochoppi, Oil Creek Stat, Mont Chateau, Val d'Or, New Hope, Indianatown, Apatity, Blue Knob Stat, Mt. Morris Dam, ARCESS Array B, Standing Stone, IPOC Station P.

Table with columns: Call Sign, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like Mineral, Klimovskoe, IPOC Station P, Corbin Frederi, Minye Minye, Pennsylvania G, Soldier's Deli, Binghamton, Keystone Colle, State Game Lan, Lake Ozonia, Makhachkala, Flat Rock, Palisades, Schefferville, Novokhoporsk, Moscow, Adam Dzewionko, Galich'ya Gora, Obninsk, Storzhevoyn, Khabaz, Kislovodsk, FINESS Array B, Villa Florida, Santo Domingo, Anapa, Santo Domingo, Minsk, Boshof, Narocho, Guysborough, NORSAR Subarray 26,67, NORSAR Array B, Malin Array B, Malin Array C, Aguaidilla, Mayaguez, Lobatse, Kilima Mbogo, Isla Caja de M, San Juan, San Juan, Canovanas, Col San Antoni, Monte Pirata, Culebra, Puert, Saint Thomas, Lucovina Ar. S, Busaka, St. Maarten, St. Eustatius, Uzhgorod.

Table with columns: Call Sign, Frequency, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like Fort de France, Moravsky Berou Ujice, Vyhne, Berggiesshubel, Panska Ves, Colim, Vranov, Moravsky, Modra-Piesok, PRA, Mbarara, Pruhonice, Trest, Conrad Observa, Kasperke Hory, GERESS Array B, GERESS Array C, ARZberg, Molin, Sobotka, Brasilia, Tsumeb, KBA, MYKA, WATA, ABTA, MOTA, RETA, SQTA, FETA, DAVA, KEST, PBRG, PCAV, CABRIL, POLO, PVRL, MVO, PVIS, ES19, ESDC, ESDC, MTE, PAB, PAB, PCAS, PCBW, PTOM, PMRW, PMTG, PESTR, PMAFR, PBEJ, PNCL, MESSI, PVAQ, PTEO, PBDV, PVI, TORD, TORD, TORD, DBIC, DBIC, DBIC, DBIC.

IDC 06 13:56: 11.6:0.8, 10.825:165:30E, h0km, mb4.5/8, mb1 4.7/9, mb1mx4.4/38, mtrmp4.4/9, ML4.6/1, MS4.9/2, Ms1 4.9/2, ms1mx4.6/10, Error ellipse: s-maj=44.5km s-min=22.4km az=140.0
NEIC 06 13:56: 13.0:0.4, 10.895:165:41E, h10km, mb4.6/1, Error ellipse: s-maj=10.5km s-min=8.0km az=92.0
ISOCJ 06 13:56: 14.3:0.5, 11.055:107:165:35E:0.09, h30km, mb4.5/10, MS4.9/2, Error ellipse: s-maj=12.0km

6d 14h

2013 FEB

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, MARNC Mare, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LZH comp=Z,23nm,1.0s, ULN Ulaanbatar, QSPA South Pole Qui, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like R11A Troy Canyon, PDMCI Parker Dam,Lak, WMO Urumqi, etc.

IDC 06 14:03:49.4,0.7,11.43S;165.24E,h0km,mb4.5/18, mb1 4.7/20,mb1mx4.5/38,mbmp4.5/20,ML4.4/2, Error ellipse: s-maj=21.1km s-min=15.4km az=136.0

NEIC 06 14:03:50.9,0.1,11.36S;165.11E,h10km,mb5.0/64, Error ellipse: s-maj=4.8km s-min=3.6km az=139.0

ISCJB 06 14:03:50.0,0.2,11.53S;165.05E,0.04,h34km, mb4.8/39, Error ellipse: s-maj=6.3km s-min=4.9km az=167.8

ISC 06 14:03:54.5,0.5,11.48S;165.16E,0.07,h34km,mb165, c=111/170,mb4.9/89,22,Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, MARNC Mare, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like COLA College, O02D Mt. Diablo Mer, RIDG Independe's Rid, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like R11A Troy Canyon, PDMCI Parker Dam,Lak, WMO Urumqi, etc.

IDC 06 14:07:15.3,0.8,10.85S;164.73E,h0km,mb4.0/12, mb1 4.2/14,mb1mx4.1/34,mbmp4.1/14,ML4.5/2, Error ellipse: s-maj=21.3km s-min=18.4km az=123.0

ISCJB 06 14:07:17.0,0.3,10.93S;164.69E,0.07,h29km, mb4.0/13, Error ellipse: s-maj=9.3km s-min=8.3km az=160.5

NEIC 06 14:07:17.0,0.3,10.83S;164.67E,h10km,mb4.6/3, Error ellipse: s-maj=6.8km s-min=6.9km az=105.0

ISC 06 14:07:19.7,0.6,10.91S;164.77E,0.08,h29km,mb3, c=113/29,mb4.0/13,Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, MARNC Mare, DZM Mont Dzumac, etc.

Table with columns: MKAR, PD31, PDAR, Station Name, Time, Res, P, and various parameters like 92.76 317 P, 14 20 28.7 -0.7.

IDC 06 14:09:04.0e1.0, 10'.835x164'.59E, h0km, mb4.0/11, mb1 4.2/14, mb1mx4.1/35, mbtmp4.1/14, ML4.3/3, Error ellipse: s-maj=30.1km s-min=19.5km az=123.0

NEIC 06 14:09:05.3.4, 10'.795x164'.63E, h12km, mb4.5/4, Error ellipse: s-maj=9.2km s-min=7.3km az=168.0

ISCJB 06 14:09:06.0.0.4, 10'.935x164'.67E, h29km, mb4.1/14, Error ellipse: s-maj=9.6km s-min=7.7km az=35.4

ISC 06 14:09:08.0.0.6, 10'.835x164'.71E, h29km, n35, s097/32, mb4.0/14, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, P, and various parameters for stations like HNR, DZM, WRA, etc.

IDC 06 14:13:25.6.1.7, 11'.1435x165'.05E, h0km, mb3.7/3, mb1 4.0/4, mb1mx3.6/34, mbtmp3.8/4, ML4.0/1, Error ellipse: s-maj=54.8km s-min=36.4km az=109.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, P, and various parameters for stations like DZM, WRA, ILAR, etc.

IDC 06 14:13:54.0.0.0, 10'.965x164'.70E, h0km, mb4.1/15, mb1 4.3/18, mb1mx4.2/35, mbtmp4.2/18, ML4.6/3, Error ellipse: s-maj=23.8km s-min=16.1km az=128.0

ISCJB 06 14:13:56.7.0.5, 11'.035x164'.64E, h29km, mb4.1/16, Error ellipse: s-maj=11.6km s-min=9.7km az=13.6

ISC 06 14:13:58.0.0.6, 10'.985x164'.69E, h29km, n29, s128/26, mb4.2/16, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, P, and various parameters for stations like HNR, DZM, WRA, etc.

Table with columns: NVAR, MKAR, ZALV, PDAR, YKA, ARCES, ESDD, Station Name, Time, Res, P, and various parameters.

IDC 06 14:14:23.0.0.6, 10'.755x165'.04E, h0km, mb4.4/19, mb1 4.6/21, mb1mx4.5/35, mbtmp4.5/21, ML4.8/2, MS4.2/1, Ms1 4.2/1, ms1mx3.7/34, Error ellipse: s-maj=20.1km s-min=15.5km az=115.0

ISCJB 06 14:23.0.2.0, 10'.785x165'.05E, h10km, mb4.6/39, Error ellipse: s-maj=7.5km s-min=5.9km az=137.1

NEIC 06 14:24.6.0.2, 10'.735x165'.07E, h10km, mb5.0/21, Error ellipse: s-maj=6.8km s-min=5.1km az=121.0

ISC 06 14:24.8.0.4, 10'.745x165'.06E, h10km, n92, s090/92, mb4.7/39, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, P, and various parameters for stations like HNR, DZM, WRA, etc.

IDC 06 14:25.6.1.3, 10'.985x165'.59E, h0km, mb4.0/6, mb1 4.2/8, mb1mx3.9/35, mbtmp4.1/8, ML4.4/2, MS4.7/1, Ms1 4.7/1, ms1mx3.9/28, Error ellipse: s-maj=40.3km s-min=25.0km az=129.0

NEIC 06 14:18.16.5.0.6, 10'.925x165'.53E, h10km, mb4.3/4, Error ellipse: s-maj=12.9km s-min=9.6km az=83.0

ISCJB 06 14:18.17.5.0.7, 11'.065x165'.5E, h30km, mb4.0/8, MS4.6/1, Error ellipse: s-maj=14.8km s-min=10.8km az=164.6

ISC 06 14:18.19.4.0.0, 11'.015x165'.6E, h30km, n18, s081/17, mb4.0/8, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, P, and various parameters for stations like HNR, DZM, WRA, etc.

Table with columns: MTPU, DLMT, MK01, MK31, MK32, MK33, MKAR, ZAAO, ZALV, ZAA1, BOZ, BOZ, PD31, PDAR, YKBA, LTX, TXAR, ARAO, ARCS, GERES, Station Name, Time, Res, P, and various parameters.

IDC 06 14:17:28.8e1.1, 10'.665x165'.38E, h0km, mb3.8/7, mb1 4.1/9, mb1mx3.9/35, mbtmp3.9/9, ML4.3/2, Error ellipse: s-maj=37.1km s-min=23.4km az=140.0

ISCJB 06 14:17:31.9.0.8, 10'.85x165'.3E, h10km, mb3.7/7, Error ellipse: s-maj=17.8km s-min=17.0km az=11.5

ISC 06 14:17:33.6.0.9, 10'.775x165'.4E, h31km, n9, s089/9, mb3.9/7, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, P, and various parameters for stations like HNR, DZM, WRA, etc.

IDC 06 14:18:14.6.1.3, 10'.985x165'.59E, h0km, mb4.0/6, mb1 4.2/8, mb1mx3.9/35, mbtmp4.1/8, ML4.4/2, MS4.7/1, Ms1 4.7/1, ms1mx3.9/28, Error ellipse: s-maj=40.3km s-min=25.0km az=129.0

NEIC 06 14:18.16.5.0.6, 10'.925x165'.53E, h10km, mb4.3/4, Error ellipse: s-maj=12.9km s-min=9.6km az=83.0

ISCJB 06 14:18.17.5.0.7, 11'.065x165'.5E, h30km, mb4.0/8, MS4.6/1, Error ellipse: s-maj=14.8km s-min=10.8km az=164.6

ISC 06 14:18.19.4.0.0, 11'.015x165'.6E, h30km, n18, s081/17, mb4.0/8, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, P, and various parameters for stations like HNR, DZM, WRA, etc.

BUI 06 14:20:51.9, 11'.695x165'.87E, h10km, mb5.6/25, mb4.8/39, MS5.2/16, MS7.4/9/16

IDC 06 14:20:56.5.0.4, 10'.915x165'.53E, h0km, mb4.7/27, mb1 4.8/29, mb1mx4.8/36, mbtmp4.7/29, ML5.5/2, MS4.6/10, Ms1 4.6/10, ms1mx4.3/33, Error ellipse: s-maj=16.1km s-min=12.0km az=94.0

NEIC 06 14:20:57.5.0.1, 10'.915x165'.48E, h10km, mb5.3/42, MS5.4/13, Error ellipse: s-maj=3.7km s-min=3.0km az=117.0

ISCJB 06 14:20:59.3.0.1, 10'.945x165'.42E, h30km, mb5.1/179, MS5.1/27, Error ellipse: s-maj=3.7km s-min=3.1km az=36.0

GCMT 06 14:21:00.5.0.4, 10'.865x165'.46E, h30km, MW5.4/62, Moment Tensor Solution, s34.c38; s62.c85; Duration: 1s3, Moment tensor: scale 10^17Nm; Mw=2.52; M1: Mw=1.93; M2: Mw=0.92; M3: Mw=0.89; M4: Mw=0.23; M5: Mw=0.12; Best double couple: M1: 84200x10^17 NPT; M2: 297000x10^17 NPT; M3: 848000x10^17 NPT; M4: 860000x10^17 NPT; M5: 843000x10^17 NPT; lambda=95.00000; Principal axes: T: 1.380k, P: 0.200k, N: -2.260k, Plg: 0.000k, Azm: 256.000k; Azm1: 14.000k; P: -2.260k, Plg: 0.000k, Azm: 256.000k; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

MOS 06 14:21:00.1.0.9, 10'.905x165'.42E, h34km, mb5.3/40, Error ellipse: s-maj=8.8km s-min=8.1km az=63.7

ISC 06 14:21:00.8.0.3, 10'.965x165'.5E, h30km, n439, s192/498, mb5.2/179, MS5.1/27, 9C-7D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, P, and various parameters for stations like HNR, DZM, WRA, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like DZM, PINNC, MSVF, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like NWAOW, MORW, SRBI, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like GTA, Gaotai, GSPA, etc.







Table with columns: Call sign, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like KBK, AAK, TKM2, etc.

IDC 06 14:31:02.7:1.7, 12:08Sx164.26E, h0km, mb3.7/4, mb1 3.9/7, mb1mx3.7/33, mbtmp3.9/7, ML3.7/3, Error ellipse: s-maj=38.1km s-min=30.4km az=122.0

ISCJB 06 14:31:05.7:1.2, 12:3S:0.1:164.3E:0.1, h33km, mb3.5/4, Error ellipse: s-maj=22.3km s-min=11.3km az=138.9

ISC 06 14:31:07.6:1.3, 12:25S:0.1:164.3E:0.1, h35km, n7, o178/8, mb3.6/4, Santa Cruz Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like HNR, DZM, WRA, etc.

IDC 06 14:31:23.0:4.8, 10.93Sx163.67E, h0km, mb3.6/4, mb1 3.9/5, mb1mx3.6/29, mbtmp3.7/5, ML4.0/1, Error ellipse: s-maj=207.4km s-min=32.2km az=135.0

Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like CTA, WRA, ASAR, etc.

SOME 06 14:32:22.5:4.2, 62N:79.62E, h5km, KRNET 06 14:32:22.0:1.4, 42.62N:79.64E, h14km, mb2.5, NNC 06 14:32:23.1:1.7, 42.72N:79.65E, h0km, mb2.7, mpv2.5, Error ellipse: s-maj=12.8km s-min=9.2km az=38.0

ISC 06 14:32:21.1:2.2, 42.58N:0.07:79.6E:0.08, h14km, n15km, n20, o180/36, 6C-4D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like UZB, PDGK, PRZ, etc.

Table with columns: Call sign, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like SATY, DJR, KDJ, etc.

JMA 06 14:34:09.8:0.4, 45.48N:151.17E, h30km, M4.1, ISCJB 06 14:34:10.2:0.6, 45.11N:0.08:151.17E:0.07, h35km, mb3.6/15, Error ellipse: s-maj=13.6km s-min=4.2km az=151.5

SKHL 06 14:34:11.8:0.3, 45.07N:151.24E, h55km, 4km, mb4.2/3, MOS 06 14:34:12.1:0.9, 45.35N:150.98E, h46km, mb4.1/8, Error ellipse: s-maj=15.2km s-min=10.5km az=138.3

IDC 06 14:34:14.8:3.0, 45.36N:150.97E, h51km, 26km, mb3.4/15, mb1 3.6/18, mb1mx3.4/61, mbtmp3.6/18, ML2.9/3, Error ellipse: s-maj=25.0km s-min=16.7km az=131.0

ISC 06 14:34:11.9:0.8, 45.07N:0.09:151.20E:0.08, h35km, n46, o129/64, mb3.7/15, 1C-2D, Kuril Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like KUR, SHO, etc.

KUR comp=Z, 28nm, 0.2s pmax pmax

KUR comp=N, 19nm, 0.1s pmax pmax

KUR comp=E, 9.0nm, 0.3s smax smax

KUR comp=N, 68nm, 0.2s smax smax

KUR comp=E, 95nm, 0.3s smax smax

KUR comp=N, 5.0nm, 0.2s smax smax

KUR comp=N, 65nm, 0.4s smax smax

KUR comp=E, 4.0nm, 0.4s smax smax

KUR comp=E, 10.0nm, 0.4s smax smax

KUR comp=E, 4.0nm, 0.4s smax smax

KUR comp=E, 40nm, 0.4s smax smax

KUR comp=E, 40nm, 0.4s smax smax

KUR comp=E, 90nm, 0.4s smax smax

KUR comp=Z, 37nm, 0.2s pmax pmax

KUR comp=N, 4.0nm, 0.1s pmax pmax

KUR comp=E, 11nm, 0.2s smax smax

KUR comp=E, 91nm, 0.5s smax smax

KUR comp=N, 94nm, 0.4s smax smax

GRPR Tuman 4.03 256 eP Pn 14 35 12.0 +1.0

GRPR Tuman 4.03 256 eP Nn 14 35 59.0 +2.1

GRPR Tuman 4.03 256 eP Nn 14 35 12.4 +1.4

GRPR Tuman 4.03 256 eP Nn 14 35 59.0 +2.1

Table with columns: Call sign, Frequency, Mode, Power, Direction, Azimuth, Elevation, and other parameters. Includes stations like JRA, JNK, JAK, etc.

IDC 06 14:41:04.0:0.6, 11.74Sx165.23E, h0km, mb4.3/17, mb1 4.5/19, mb1mx4.4/39, mbtmp4.3/19, ML4.4/2, Error ellipse: s-maj=21.4km s-min=15.6km az=134.0

ISCJB 06 14:41:08.3:0.2, 11.79S:0.04:165.09E:0.04, h34km, mb4.7/61, Error ellipse: s-maj=6.3km s-min=5.6km az=148.1

NEIC 06 14:41:09.3:1.9, 11.71Sx165.17E, h30km, 13km, mb4.9/48, Error ellipse: s-maj=5.9km s-min=4.3km az=184.0

ISC 06 14:41:09.8:0.5, 11.71S:0.07:165.18E:0.08, h34km, n101, o562/104, mb4.8/61, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like HNR, MARC, DZM, etc.

6d 15h

Table with columns: RIDG, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Res, Res ID. Includes stations like Independe's Rid, Eielson Array, ILAR, etc.

ICD 06 14:45:46.7.2.0, 5.70S, 130.62E, h0km, mb3.7/1, mb1 3.7/4, mb1mx3.4/39, mbtmp3.5/4, ML3.1/3, Error ellipse: s-maj=74.0km s-min=27.3km az=77.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Res, Res ID. Includes stations like FITZ, WRA, WRA, ASAR, etc.

ICD 06 14:48:14.8.0.8, 11:07S, 165.02E, h0km, mb3.9/11, mb1 4.0/13, mb1mx3.9/37, mbtmp3.9/13, ML4.1/2, Error ellipse: s-maj=21.6km s-min=19.5km az=111.0

NEIC 06 14:48:15.9.4.9, 11:10S, 165.02E, h8km, 30km, mb4.3/3, Error ellipse: s-maj=12.2km s-min=8.6km az=213.0

ISCJB 06 14:48:17.0.5.1, 11:23S, 0.07E, 164.93E, 0.07, h31km, mb3.9/12, Error ellipse: s-maj=11.5km s-min=8.3km az=35.7

ISC 06 14:48:19.3.0.7, 11:10S, 0.1x164.99E, 0.10, h31km, n28, 0.678/23, mb3.7/12, Santa Cruz Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Res, Res ID. Includes stations like HNR, HNR, DZM, ONTNC, etc.

2013 FEB

Table with columns: AS31, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Res, Res ID. Includes stations like Alice Springs, ASAR, RPZ, etc.

ICD 06 14:50:12.4.0.9, 11:92S, 165.48E, h0km, mb4.2/14, mb1 4.4/15, mb1mx4.2/34, mbtmp4.2/15, ML2.9/1, Error ellipse: s-maj=31.6km s-min=17.6km az=131.0

NEIC 06 14:50:13.4.0.3, 11:36S, 165.50E, h10km, mb4.6/4, Error ellipse: s-maj=8.6km s-min=6.4km az=96.0

ISCJB 06 14:50:15.1.0.4, 12:12S, 0.06E, 165.48E, 0.09, h33km, mb4.2/17, Error ellipse: s-maj=12.2km s-min=9.0km az=1.9

ISC 06 14:50:17.3.0.7, 12:05S, 0.1x165.5E, 0.11, h35km, n42, 0.689/41, mb4.2/17, Santa Cruz Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Res, Res ID. Includes stations like HNR, MARC, DZM, PINNC, etc.

ICD 06 14:50:26.5.3.0, 12:96S, 166.19E, h0km, mb4.1/6, mb1 4.3/6, mb1mx4.0/33, mbtmp4.0/6, Error ellipse: s-maj=125.2km s-min=28.5km az=142.0

ISCJB 14:50:27.2.6.1, 13:19S, 0.06E, 166.12E, 0.5, h20km, mb3.9/6, Error ellipse: s-maj=102.5km s-min=24.5km az=141.1

ISC 06 14:50:29.8.2.6, 13:05S, 0.6E, 166.2E, 0.5, h20km, n6, 0.656/6, mb4.0/6, Santa Cruz Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Res, Res ID. Includes stations like WRA, ASAR, SONM, etc.

ICD 06 14:51:05.7.2.7, 10:88S, 164.64E, h0km, mb3.8/5, mb1 4.0/5, mb1mx3.7/32, mbtmp3.7/5, Error ellipse: s-maj=112.5km s-min=31.0km az=138.0

NEIC 06 14:51:07.2.0.8, 10:98S, 164.65E, h10km, mb4.2/2, Error ellipse: s-maj=19.9km s-min=13.3km az=84.0

ISCJB 14:51:08.2.0.8, 11:13S, 0.1x164.7E, 0.1, h29km, mb3.8/7, Error ellipse: s-maj=21.2km s-min=14.1km az=172.5

ISC 06 14:51:09.9.1.0, 11:05S, 0.1x164.7E, 0.2, h29km, n10, 0.118/10, mb3.7/7, Santa Cruz Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Res, Res ID. Includes stations like DZM, ONTNC, WRA, etc.

500

Table with columns: SONM, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Res, Res ID. Includes stations like Sogino Array, Eielson Array, etc.

ICD 06 14:57:08.9.2.4, 5.80S, 130.76E, h0km, mb3.5/1, mb1 3.5/4, mb1mx3.3/31, mbtmp3.4/4, ML2.8/3, Error ellipse: s-maj=99.5km s-min=28.9km az=78.0, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Res, Res ID. Includes stations like FITZ, FITZ, WRA, etc.

ICD 06 14:59:31.9.5.3, 11:148S, 164.94E, h0km, mb3.4/3, mb1 3.7/4, mb1mx3.4/29, mbtmp3.4/29, Error ellipse: s-maj=270.8km s-min=38.2km az=139.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Res, Res ID. Includes stations like WRA, ASAR, ILAR, etc.

ISCJB 06 15:01:44.7.0.3, 24:43N, 0.02E, 122.01E, 0.02, h0km, 3km, Error ellipse: s-maj=2.8km s-min=2.2km az=142.2

JMA 06 15:01:44.5.0.1, 24:41N, 121.98E, h0km, M2.7

TAP 06 15:01:45.3.24.46N, 121.96E, h13km, ML3.0, B

ISC 06 15:01:44.9.0.2, 24:43N, 0.02E, 122.00E, 0.02, h13km, 6km, n89, 0.67/134, 44-170, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Phase ID, Time, Res, Res ID. Includes stations like EIOS, EIOS, TWC, etc.





s-min=3.3km az=14.6
MOS 06 15:54:17.3, 1.1, 10.96S; 165.42E, h33km, mb5.2/26, Error ellipse: s-maj=9.5km s-min=7.9km az=107.0
ISC 06 15:54:19.0, 0.3, 11.03S; 0.05:165.52E, 0.05, h30km, n301, o158/303, mb5.2/111, MS4.7/15, 9C-6D, Santa Cruz

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Honiara, Mare, Loyalty, DZM, etc.

Table with columns: RPZ, Station Name, Az, Phase, ID, Time, Res. Includes stations like Canterbury Lary, HTT, MOZ, ARPS, etc.

Table with columns: XAN, Station Name, Az, Phase, ID, Time, Res. Includes stations like KMI, CMAR, CHTO, ZEA, etc.

















Table with columns: STKA, WRA, AS31, ASAR, NV01, NVAR, LTX, TXAR, ILAR, PDAR. Includes station names, times, and coordinates.

NIED 06 16:53:00.37,00N:142:60E,h23km,Mw3.9 Best double couple: M0.706000x1014 N1.01192.00000x820.000000...

IDC 06 16:53:31.1,1.2,10.785x164:35E,h0km,mb3.9/5, mb1 4.2/11,ms1mx3.0/45, Error ellipse: s-maj=31.0km

ISCJB 06 16:53:32.0,0.2,37.03N:142:56E,h37km,M3.5

JMA 06 16:53:35.0,0.2,37.03N:142:56E,h37km,M3.5

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists stations like JFK, JFH, ONAJ, etc.

IDC 06 16:53:31.1,1.2,10.785x164:35E,h0km,mb3.9/5, mb1 4.2/11,ms1mx3.0/45, Error ellipse: s-maj=31.0km

ISCJB 06 16:53:32.0,0.6,10.865S:07:164:40E,0.7,h24km, mb3.9/10, Error ellipse: s-maj=11.7km

NEIC 06 16:53:32.9,0.7,10.715S:164:35E,h10km,mb4.5/5, Error ellipse: s-maj=14.5km

ISC 06 16:53:34.0,0.8,10.815S:010:164:41E,0.10,h24km,n24, s=125/25,mb4.0/10,Santa Cruz Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists stations like HNR, DZM, ONTC, etc.

IDC 06 16:55:53.2,1.4,10.835S:164:54E,h0km,mb3.9/6, mb1 4.2/9,ms1mx3.9/44, Error ellipse: s-maj=36.7km

ISCJB 06 16:55:56.0,1.1,11.01S:01:164:5E,0.1,h29km,mb3.8/6, Error ellipse: s-maj=20.0km

ISC 06 16:55:57.5,1.1,10.95S:01:164:6E,0.1,h29km,n16, s=159/11,mb3.9/6,Santa Cruz Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists stations like HNR, HNR.

Table with columns: DZM, CTA, H1S2, H1S3, H1S1, H1N1, H1N3, WRA, H1N2, ASAR, FITZ, CMAR, ILAR, MKAR, ARCES. Lists stations and their coordinates.

IDC 06 16:56:34.0,1.5,11.025S:164:65E,h0km,mb3.9/5, mb1 4.1/6,ms1mx3.7/42, Error ellipse: s-maj=46.7km

NEIC 06 16:56:35.4,0.6,11.095S:164:63E,h10km,mb4.3/3, Error ellipse: s-maj=16.9km

ISCJB 06 16:56:36.0,0.9,11.2S:01:164:6E,0.2,h29km,mb3.9/7, Error ellipse: s-maj=24.0km

ISC 06 16:56:38.3,1.1,11.1S:01:164:6E,0.2,h29km,n13, s=65/13,mb3.8/7,Santa Cruz Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists stations like DZM, DZM, EIDS, etc.

IDC 06 16:58:15.8,1.5,11.565S:164:92E,h0km,mb3.8/5, mb1 4.0/7,ms1mx3.7/42, Error ellipse: s-maj=37.8km

NEIC 06 16:58:18.2,1.7,11.575S:164:79E,h10km,mb4.3/3, Error ellipse: s-maj=36.2km

ISCJB 06 16:58:19.5,1.0,11.695S:01:164:8E,0.1,h34km, mb3.8/7, Error ellipse: s-maj=21.0km

ISC 06 16:58:21.1,1.2,11.6S:01:164:9E,0.2,h34km,n15, s=65/15,mb3.7/7,Santa Cruz Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists stations like HNR, HNR, DZM, etc.

IDC 06 16:59:43.0,1.7,11.685S:164:97E,h0km,mb3.6/4, mb1 3.9/5,ms1mx3.6/41, Error ellipse: s-maj=51.0km

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists stations like DZM, WRA, ASAR, etc.

ISCJB 06 17:02:53.1,0.4,6.06N:0:03:126:06E,0.06,h149km,4km, mb3.9/11, Error ellipse: s-maj=10.0km

MAN 06 17:02:53.1,5.99N:126:01E,h146km,MS3.6, IDIC 06 17:02:54.6,0.7,6.09N:125:91E,h149km,5km,mb3.6/11, mb1 3.8/12,ms1mx3.5/48, Error ellipse: s-maj=29.1km

DJA 06 17:02:55.7,1.5,6.16N:126:01E,h23km,18km,M4,4/7, mb4.5/6,mb5.4/2,MLV4,7/7,Mw(MB)4.8/2

ISC 06 17:02:54.3,0.8,6.05N:0:05:126:06E,0.07,h144km,6km, n36,s=192/48,mb4.0/11,C-4D, Mindanao

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists stations like DAV, DMPH, etc.

Table with columns: PAGZ, DCPH, MSLP, OCLP, SANI, TSNI, BNSI, EDFI, BATI, BNSI, PLAI, LEM, FITZ, WRA, CMAR, ARCES, KRSR, ASAJ, SONM, MKAR, ILAR, ARCES, FINES. Lists stations and their coordinates.

IDC 06 17:04:05.7,0.4,10.745S:164:93E,h0km,mb4.6/30, mb1 4.7/32,ms1mx4.7/46, Error ellipse: s-maj=14.0km

ISCJB 06 17:04:06.5,0.1,10.715S:0:03:164:84E,0.03,h10km, mb4.8/104,MS4.3/14, Error ellipse: s-maj=4.8km

NEIC 06 17:04:07.5,0.2,10.695S:164:90E,h10km,mb5.0/73, Error ellipse: s-maj=5.3km

ISC 06 17:04:07.4,0.3,10.715S:0:06:164:98E,0.05,h10km,n249, s=119/247,mb4.9/104,MS4.3/14,2C,Santa Cruz Islands region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Time, Res. Lists stations like HNR, HNR, HNR, etc.



ISC 06 17:11:53.0,6.0,11.18S;0.1,165.06E;0.09,h35km,m52,

o=78/54,mb4.4/27,Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Honiara, Warramunga Arr, Alice Springs, etc.

ISC 06 17:16:00.7,2.0,0.87N;126.74E,h0km,mb3.5/3, mb1 3.4/3,mb1mx3.2/42,mbtmp3.7/4,ML3.2/1, Error ellipse: s-maj=169.3km s-min=25.2km az=66.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Warramunga Arr, Alice Springs, Makanchi Array.

ISC 06 17:18:39.0,3.5,11.41S;165.36E,h0km,mb3.5/3, mb1 3.8/4,mb1mx3.5/40,mbtmp3.7/4,ML3.2/1, Error ellipse: s-maj=71.6km s-min=45.4km az=82.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Mont Dzumac, Warramunga Arr, Alice Springs, Makanchi Array.

ISC 06 17:19:29.0,0.6,11.80S;165.18E,h0km,mb4.6/22, mb1 3.8/4,mb1mx4.6/40,mbtmp4.6/25,ML4.2/3,MS3.8/2, Ms1 3.9/2,ms1mx3.1/40, Error ellipse: s-maj=18.3km s-min=13.2km az=134.0

ISCJB 06 17:19:31.3,0.2,11.79S;165.02E;0.03,h24km, mb4.9/117,MS4.2/1, Error ellipse: s-maj=6.7km s-min=4.2km az=168.4

NEIC 06 17:19:31.0,2.6,11.74S;165.10E,h13km,mb5.0/89, Error ellipse: s-maj=5.7km s-min=3.9km az=177.0

ISC 06 17:19:33.1,1.3,11.82S;165.12E;0.06,h28km,mb3.9/225,ms1mx3.9/232,mb5.0/117,CT-1D,Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Honiara, Warramunga Arr, Alice Springs, Makanchi Array, Charters Tower.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Charters Tower, Manu Island, Coen, ARMA Armidale, STKA Stephens Creek, etc.

ISC 06 17:19:33.1,1.3,11.82S;165.12E;0.06,h28km,mb3.9/225,ms1mx3.9/232,mb5.0/117,CT-1D,Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Warramunga Arr, Alice Springs, Makanchi Array, Charters Tower, etc.

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GTA, GWA, BILL, CAST, DIV, KLU, RND, MCK, BWN, IM3, MLY, WRH, MDM, HDA, HDA, TCOL, COLA, O02D, RIDG, ILAR, ILB, SNTC, POKR, J01E, N02D, M02C, PKM, SCRR, I02D, ORV, O03E, BLG, I03D, AFDM, CMB, L04D, M04C, BEKR, ISA, MDPB, WAKR, WADW, OMMB, BFSC, Y05D, YERR, DAWY, CWC, PAHR, LRMC, TIXI, MONP, RYN, DAC, PDMC, NV01, NVAR, PFO, PFO, XPFO, IKP, NV11, GSC, GSC, GRAC, KVN, SWSC, HEC, BELC, FURC, BC3, GMRC, TPNV, TPNV, GLA, GLA, IRM, J08A, Y12C, Y12C.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like G08A Pilot Mount, SHPR Sheep Range, R11A Troy Canyon, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like EQES Quesada, SESP Santiago Espad, GORA Gorafe, etc.

Table with columns: Code, Station Name, Az, El, P, Time, Res. Includes stations like PMTG Montargil, PNCL Nicoulu / Gran, PNCL Nicolau / Gran, etc.

CNRN 06 17:20:39.1, 37.48N;2.99W, h30km, m1.0
SFS 06 17:20:43.0, 38.00N;3.20W, ML2.9, TORREPEROGIL (JAEN)
MDD 06 17:20:43.0, 38.05N;3.29W, h2km, 3km, mblg2.9/20, Error ellipse: s-maj=2.0km s-min=1.7km az=48.0, PRXIMO
MDD EMS: III INTENSIDAD MAXIMA
INMG 06 17:20:44.0, 1.5, 38.05N;3.30W, h5km, 4km, ML2.9, Error ellipse: s-maj=1.9km s-min=1.9km az=123.0
ISC 06 17:20:42.4, 1.1, 38.06N;0.02;3.21W;0.02, h10km, 10km,

n56, c1873/68, 3D, Spain
Code Station Name Az El P Time Res
EQES Quesada 310nm,0.4s,SNR=262 0.28 157 Pg Pg 17 20 49.3 +1.1
EQES 216nm,0.1s,SNR=7.9 0.53 83 Pg Lg 17 20 53.5 +1.0
SESP Santiago Espad 53nm,0.2s,SNR=7.9 0.53 83 Pg Lg 17 21 02.9
SESP 283nm,0.2s,SNR=7.9 0.53 83 P S 17 20 54.1 +0.2
SESP Santiago Espad 53nm,0.2s,SNR=7.9 0.53 83 P S 17 21 03.2 -2.0
SESP 45nm,0.2s,SNR=7.9 0.59 167 Pg Pg 17 21 05.2 +0.2
GORA Gorafe 45nm,0.2s,SNR=7.9 1.08 276 Pg Pg 17 21 03.8
GORA 302nm,0.1s,SNR=7.9 0.87 192 Pg Pg 17 20 59.6 +0.3
EQUE Quentar 27nm,0.3s,SNR=56 0.87 192 Pg Lg 17 21 10.9
EQUE 184nm,0.2s,SNR=26 1.08 276 Pg Pg 17 21 02.3 -1.0
EADA Adamuz 15nm,0.3s,SNR=7.9 1.08 276 Pg Pg 17 21 06.3
EADA 130nm,0.2s,SNR=7.9 1.19 168 Pg Pg 17 21 05.7 +0.5
EBER Berja 48nm,0.3s,SNR=80 1.19 168 Pg Lg 17 21 24.3
EBER 208nm,0.3s,SNR=7.2 1.19 168 Pg Pg 17 21 05.3 +0.1
EGOR Sierra Gorda, 30nm,0.1s,SNR=7.9 1.23 196 Pg Lg 17 21 22.1
EGOR 176nm,0.2s,SNR=7.9 1.23 196 Pg Pg 17 21 06.4 +0.5
ELGU Tobarra 9.0nm,0.1s,SNR=7.9 1.23 196 Pg Lg 17 21 23.9
ELGU 315nm,0.2s,SNR=7.9 1.43 65 Pg Pg 17 21 11.4 +1.4
ETOB Tobarra 31nm,0.3s,SNR=9 1.43 65 Pg Pg 17 21 31.0
ETOB 106nm,0.3s,SNR=14 1.57 97 Pn Lg 17 21 12.5 -0.1
EMUR La Murta 31nm,0.3s,SNR=24 1.57 97 Pg Lg 17 21 36.3
EMUR 193nm,0.6s,SNR=1.01 1.62 217 eP S 17 21 12.6 +0.2
EMAL Malaga-Limoner 1.62 217 eP S 17 21 09.6 -1.7
HORN Hornachuelos 1.63 263 P S 17 21 31.3 -1.0
HORN 1.63 263 P S 17 21 15.0 -0.4
ESDC Sonseca Array 1.72 340 Pg Lg 17 21 37.0
ESDC 4.2nm,0.4s,baz=162,slow=17,SNR=35 1.73 329 Pg Lg 17 21 15.6 0.0
PAB San Pablo 4.2nm,0.6s,SNR=7.9 1.73 329 Pg Lg 17 21 37.3
PAB 15nm,0.2s,SNR=7.9 1.74 271 Pn Pn 17 21 12.0 -0.7
ECAB El Cabril 1.74 271 Pn Pn 17 21 37.0
ECAB 87nm,0.3s,SNR=7.9 1.81 104 Pn Pn 17 21 15.7 +0.1
CART Cartagena 1.81 104 P S 17 21 39.8 -0.9
CART Cartagena 1.81 104 iP S 17 21 15.7 +0.1
CART Cartagena 1.81 104 P S 17 21 39.8 -0.9
EMIJ Mijas 1.94 220 eP S 17 21 18.5 +0.6
EMIJ 12nm,0.3s,SNR=8.6 1.94 220 Pn Sb 17 21 41.9 -0.4
EMIJ SNR=7.9 1.94 220 Pn Sb 17 21 41.8
EMIJ 54nm,0.4s,SNR=5.6 2.09 237 Pn Pn 17 21 21.0 +0.5
LJJA Lija 2.09 237 Pn Pn 17 21 49.2 -0.4
LJJA Lija 2.09 237 Pn Pn 17 21 21.0 +0.5
LJJA Lija 2.25 359 Pn Pn 17 21 49.2 -0.4
UCM Universidad Co 2.25 359 Pn Pn 17 21 25.5 +0.3
UCM Universidad Co 2.33 48 Pn Pn 17 21 23.4 -1.4
ECHE Chera SNR=7.9 2.33 48 Pn Pn 17 21 23.4 -1.0
ECHE SNR=7.9 2.33 48 Pn Pn 17 21 28.2 +1.2
ECHE SNR=7.9 2.33 48 Pn Pn 17 21 28.2 +1.2
EJIF Jimena Fronter SNR=7.9 2.41 229 Pg Pg 17 21 29.3 +0.6
EJIF 10.0nm,0.3s,SNR=7.9 2.42 241 Pg Pg 17 22 00.3
ESPR Espera 13nm,0.4s,SNR=8.0 2.42 241 Pg Pg 17 21 30.5 +1.7
ESPR 30nm,0.3s,SNR=7.9 2.45 75 Lg Lg 17 22 00.6
EBEN2 Beniarra presa 54nm,0.2s,SNR=7.9 2.45 75 Lg Lg 17 22 04.2
GUD Guadarrama 2.68 344 Lg Lg 17 22 07.7
GUD 21nm,0.4s,SNR=13 2.75 265 Pn Pn 17 21 26.2 -0.5
EMIN Mina Concepcion 5.6nm,0.8s,SNR=7.7 2.75 265 Pn Pn 17 21 32.9 +1.1
EMIN 7.3nm,0.4s,SNR=13 2.90 18 Pg Pg 17 22 06.0
EMIN 20nm,0.3s,SNR=11 2.90 18 Pg Pg 17 21 38.8 +0.8
ETOR Torete 12nm,0.4s,SNR=17 2.90 18 Pg Lg 17 22 16.7
ETOR 46nm,0.4s,SNR=9.1 3.00 313 Pn Pn 17 21 32.3 +2.3
EPLA Plasencia SNR=7.9 3.00 313 Pn Pn 17 21 32.3 +2.3
EPLA SNR=7.9 3.07 284 Pn Pn 17 21 15.8
EBAD Badajoz 2.1nm,0.3s,SNR=5.5 3.07 284 Pn Pn 17 21 30.4 -0.5
EBAD 5.5nm,0.3s,SNR=13 3.07 284 Pn Pn 17 21 38.9 +1.8
EBAD 13nm,0.3s,SNR=8.8 3.07 284 Pn Pn 17 22 05.8 -1.9
EBAD SNR=7.9 3.13 42 Pg Pg 17 22 18.8
EMOS Mosqueruela 14nm,0.7s,SNR=10 3.13 42 Pg Pg 17 21 43.8 +1.3
EMOS SNR=7.9 3.43 263 Pn Pn 17 22 24.5
EGRO El Granado SNR=7.9 3.43 263 Pn Pn 17 21 34.9 -1.0
EGRO SNR=7.9 3.53 285 eP Pg 17 22 27.0
PESTR Estremoz 3.53 285 eP Pg 17 21 47.2 +2.2
PESTR Estremoz 3.53 285 eS Sn 17 22 17.6 -1.6
PESTR Estremoz 3.53 285 eS Sn 17 22 32.8 -3.1
PESTR Estremoz 3.53 285 eS Sn 17 22 40.4
PESTR Estremoz 3.53 285 P S 17 21 36.7 -0.7
PESTR Estremoz 3.53 285 P S 17 22 20.7 +1.5
PMRV Marv??o 3.54 294 eP Pg 17 21 47.8 +2.6
PMRV Marv??o 3.54 294 eS Pg 17 22 33.2 -3.1
PMRV Marv??o 3.54 294 eS Pg 17 22 44.2
PMRV Marv??o 3.54 294 Pg Lg 17 21 47.8 +2.6
PMRV Marv??o 3.54 294 Pg Lg 17 22 37.3
PVAQ Vaqueiros 3.63 261 ePn Pn 17 21 37.9 -0.8
PVAQ Vaqueiros 3.63 261 eS Pg 17 22 33.4 +2.6
PVAQ Vaqueiros 3.63 261 Pn Lg 17 22 40.4
PVAQ Vaqueiros 3.63 261 Pn Lg 17 21 37.9 -0.8
PVAQ Vaqueiros 3.63 261 Pn Lg 17 22 33.4
PVAQ Vaqueiros 3.63 261 Pn Lg 17 21 37.9 -0.8
PVAQ Vaqueiros 3.63 261 Pn Lg 17 22 33.4
PBEJ Beja 3.68 271 eS Pg 17 22 39.0
PBEJ Beja 3.68 271 Lg Lg 17 22 39.0
PBDV Barranco-do-Ve 3.83 259 ePn Pn 17 21 41.3 -0.2
PBDV Barranco-do-Ve 3.83 259 eS Pg 17 22 41.5 +4.8
PBDV Barranco-do-Ve 3.83 259 eS Pg 17 22 54.6
PBDV Barranco-do-Ve 3.83 259 Pn Lg 17 21 41.3 -0.2
PBDV Barranco-do-Ve 3.83 259 Pn Lg 17 22 41.5
MESJ Messejana 3.97 268 eS Pg 17 22 43.4
MESJ Messejana 3.97 268 Lg Lg 17 22 43.4
MESJ Messejana 3.97 268 Lg Lg 17 22 43.4
PMTG Montargil 4.06 286 eS Pg 17 22 50.1 -2.7

PMTG 22nm,0.5s 4.06 286 Lg Lg 17 22 54.2
PMTG Montargil 22nm,0.5s 4.06 286 Lg Lg 17 22 50.1
PNCL Nicoulu / Gran 4.20 272 ePn Pn 17 21 47.2 +0.7
PNCL Nicoulu / Gran 4.20 272 eS Pg 17 22 52.9 -4.3
PNCL Nicoulu / Gran 4.20 272 A Pg 17 23 01.0
PNCL Nicolau / Gran 4.20 272 Pn Lg 17 21 47.2 +0.7
PNCL Nicolau / Gran 4.20 272 Pn Lg 17 22 52.9
PTOM Tomar 4.35 293 eS Pg 17 22 58.0 -4.1
PTOM Tomar 4.35 293 A Pg 17 23 09.7
PTOM 27nm,0.4s 4.35 293 Lg Lg 17 22 58.0
PTOM 14nm,0.4s 4.35 293 Lg Lg 17 22 58.0
PTEO Sao Teotonio 4.40 265 eS Pg 17 23 02.4 -1.2
PTEO Sao Teotonio 4.40 265 Lg Lg 17 23 02.4
PTEO 27nm,0.7s 4.40 265 Lg Lg 17 23 02.4
PTEO Sao Teotonio 4.40 265 Lg Lg 17 23 02.4
MD31 MD31 5.33 194 P Pn 17 21 50.0 -12
MD31 MD31 5.33 194 S Pn 17 22 45.1 -19
MD31 MD31 5.33 194 P Pn 17 21 54.7 -8.2
ZHG ZHG 5.38 212 S Sn 17 22 52.9 -12
ZHG ZHG 5.38 212 S Sn 17 22 52.9 -12
IDC 06 17:24:18.8;3.0, 12.65S;165.81E, h0km, mb3.8/6, mb1 4.0/6, mb1mx3.8/35, mbtmp3.8/6, Error ellipse: s-maj=119.8km s-min=28.7km az=143.0, Santa Cruz Islands
Code Station Name Az El P Time Res
WRA Warramunga Arr 31.01 252 P Pn 17 30 39.0 +0.6
ASAR Alice Springs 32.14 246 P P 17 30 47.9 -0.5
CMAR Chiang Mai Arr 72.83 284 P P 17 35 50.2 +0.2
ILAR Eielson Array 85.05 18 P P 17 36 56.0 0.0
INK Inuvik 91.43 19 P P 17 37 26.6 +0.2
MKAR Makanchi Array 94.76 317 P P 17 37 41.4 -0.9
INK 1.0nm,0.4s,baz=219,slow=5.5,SNR=7.4 94.76 317 P P 17 37 41.4 -0.9
MKAR Makanchi Array 94.76 317 P P 17 37 41.4 -0.9
MKAR 0.3nm,0.6s,baz=104,slow=6.0,SNR=3.5 94.76 317 P P 17 37 41.4 -0.9
IDC 06 17:26:32.6;1.6, 11.141S;164.78E, h0km, mb3.6/4, mb1 3.8/5, mb1mx3.6/35, mbtmp3.6/5, ML3.6/1, Error ellipse: s-maj=48.9km s-min=30.1km az=124.0, Santa Cruz Islands region
Code Station Name Az El P Time Res
DZM Mont Dzumac 10.72 172 Pn Pn 17 29 07.5 -0.1
WRA Warramunga Arr 30.46 250 P P 17 32 47.6 +0.2
ASAR Alice Springs 31.78 243 P P 17 32 58.6 -0.4
ILAR Eielson Array 84.16 19 P P 17 39 05.3 -0.1
MKAR Makanchi Array 93.14 317 P P 17 39 48.9 +0.2
MKAR 0.2nm,0.7s,baz=88,slow=4.6,SNR=2.4 93.14 317 P P 17 39 48.9 +0.2
IDC 06 17:26:59.8;7.8, 18.55S;169.83W, h0km, mb3.9/4, mb1 4.1/6, mb1mx3.7/42, mbtmp3.9/6, ML3.9/1, Error ellipse: s-maj=32.75km s-min=36.0km az=142.0, Tonga Islands region
Code Station Name Az El P Time Res
CTA Charters Tower 41.38 260 P P 17 34 47.7 -0.4
ASAR Alice Springs 52.46 254 P P 17 36 13.9 -0.9
WRA Warramunga Arr 52.52 259 P P 17 36 15.9 +0.7
ILAR Eielson Array 84.10 19 P P 17 39 36.1 0.0
WRA 0.5nm,0.8s,baz=93,slow=7.4,SNR=6.8 52.52 259 P P 17 36 15.9 +0.7
WRA 0.2nm,0.3s,baz=90,slow=5.3,SNR=16 52.52 259 P P 17 36 15.9 +0.7
ILAR Eielson Array 84.10 19 P P 17 39 36.1 0.0
ILAR 0.5nm,0.8s,baz=224,slow=6.3,SNR=6.3 84.10 19 P P 17 39 36.1 0.0
IDC 06 17:27:02.0;2.3, 12.06S;164.87E, h0km, mb3.8/5, mb1 4.0/6, mb1mx3.8/36, mbtmp3.8/6, ML3.4/1, Error ellipse: s-maj=56.3km s-min=32.9km az=95.0, ISCJCB 06 17:27:05.0;1.6, 12.25S;164.95E;0.3, h33km, mb3.6/5, Error ellipse: s-maj=41.0km s-min=19.8km az=162.2
IDC 06 17:27:07.0;1.7, 12.1S;0.2;164.93E;0.3, h35km, mb3.6/5, mb1 4.1/6, mb1mx3.7/42, mbtmp3.9/6, ML3.9/1, Error ellipse: s-maj=32.75km s-min=36.0km az=142.0, Tonga Islands region
Code Station Name Az El P Time Res
DZM Mont Dzumac 9.98 172 Pn Pn 17 29 28.1 0.0
WRA Warramunga Arr 30.36 251 P P 17 33 15.0 -0.8
ASAR Alice Springs 31.58 244 P P 17 33 26.9 +0.3
CMAR Chiang Mai Arr 71.81 284 P P 17 38 27.6 +1.0
SONM Songino Array 79.07 324 P P 17 39 07.3 -0.6
MKAR Makanchi Array 93.76 317 P P 17 40 20.4 0.0
MKAR 1.0nm,0.6s,baz=103,slow=4.9,SNR=8.4 93.76 317 P P 17 40 20.4 0.0
IDC 06 17:27:48.3;1.4, 11.04S;165.10E, h0km, mb3.7/5, mb1 3.8/6, mb1mx3.7/37, mbtmp3.8/6, ML3.9/1, MS3.8/1, MS1 3.8/1, ms1mx2.8/44, Error ellipse: s-maj=45.5km s-min=27.0km az=118.0, ISCJCB 06 17:27:51.0;1.1, 11.2S;0.1;165.1E;0.2, h31km, mb3.6/5, MS3.9/1, Error ellipse: s-maj=30.8km s-min=18.5km az=177.1
IDC 06 17:27:52.8;1.1, 11.1S;0.1;165.1E;0.3, h31km, n7, c0871/8, mb3.5/5, Santa Cruz Islands
Code Station Name Az El P Time Res
DZM Mont Dzumac 10.94 174 Pn Pn 17 30 27.3 -0.1
WRA Warramunga Arr 30.89 250 P P 17 34 07.5 +0.7
WRA 0.3nm,0.5s,baz=77,slow=3.4,SNR=5.0 30.89 250 P P 17 34 07.5 +0.7
ASAR Alice Springs 32.21 243 P P 17 34 18.6 +0.1
ASAR 0.8nm,0.5s,baz=64,slow=10,SNR=26 32.21 243 P P 17 34 18.6 +0.1
ASAR 0.4nm,1.0s,baz=57,slow=14,SNR=4.5 32.21 243 P P 17 34 18.6 +0.1
JNU Nakatube 54.81 329 L L 18 00 44.2
SONM Songino Array 78.39 324 P P 17 39 50.6 +0.1
ILAR Eielson Array 83.79 19 P P 17 40 19.5 +0.7
MKAR Makanchi Array 93.18 317 P P 17 41 03.0 -1.2
MKAR 0.2nm,0.6s,baz=80,slow=5.6,SNR=2.5 93.18 317 P P 17 41 03.0 -1.2
IDC 06 17:31:21.0;1.6, 11.37S;165.26E, h0km, mb3.6/4, mb1 3.8/6, mb1mx3.5/44, mbtmp3.6/6, ML3.9/2, MS3.5/1, MS1 3.5/1, ms1mx2.8/38, Error ellipse: s-maj=40.5km s-min=30.5km az=124.0, ISCJCB 06 17:31:23.0;1.3, 11.5S;0.1;165.2E;0.2, h24km, mb3.6/4, MS3.5/1, Error ellipse: s-maj=26.2km s-min=17.5km az=150.2
IDC 06 17:31:24.9;1.3, 11.4S;0.1;165.2E;0.2, h24km, n7, c169/6, mb3.5/4, Santa Cruz Islands
Code Station Name Az El P Time Res
HNR Honiara 5.54 290 Pn Pn 17 32 45.9 -0.1
DZM Mont Dzumac 10.69 174 Pn Pn 17 33 57.1 +0.3
WRA Warramunga Arr 30.89 250 P P 17 37 40.7 +0.8
ASAR Alice Springs 32.19 243 P P 17 37 49.4 -1.9
RPZ Rata Peaks 32.60 172 L L 17 50 49.5
ILAR Eielson Array 84.00 19 P P 17 43 51.7 -1.2
ZALV Zalesovo Beam 93.53 324 P P 17 44 40.4 +1.7
WRA 0.2nm,0.6s,baz=80,slow=5.3,SNR=2.9 30.89 250 P P 17 37 40.7 +0.8
ASAR Alice Springs 32.19 243 P P 17 37 49.4 -1.9
RPZ Rata Peaks 32.60 172 L L 17 50 49.5
ILAR Eielson Array 84.00 19 P P 17 43 51.7 -1.2
ZALV Zalesovo Beam 93.53 324 P P 17 44 40.4 +1.7

0.4m, 0.3s, baz=121, slow=7.4, SNR=2.9

0.2m, 0.5s, baz=240, slow=5.5, SNR=5.3

NEIC 06 17:55:24.0, 8.1, 11.26S: 165.82E, h10km, mb4.4/1, Error ellipse: s-maj=22.4km s-min=9.6km az=71.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM, WRA, ASAR, CMAR, SONM, ILAR, MKAR.

0.2m, 0.7s, baz=113, slow=5.0, SNR=3.5
IDC 06 17:45:13.2, 0.9, 10.91S: 165.51E, h0km, mb3.9/9, mb1 4.2/11, mb1mx4.0/46, mbtmp4.0/11, ML4 6/2, Error ellipse: s-maj=30.1km s-min=20.8km az=140.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR, MARCN, DZM, ONTNC, OUCNC, PINNC, WR1, WRA, CMAR, ILAR, MKK32, MKAR.

IDC 06 17:35:06.6, 1.8, 10.72S: 165.15E, h0km, mb3.4/4, mb1 3.7/5, mb1mx3.5/42, mbtmp3.5/5, ML3.5/1, MS3.7/1, MS1 3.7/1, ms1mx2.8/20, Error ellipse: s-maj=53.0km s-min=31.4km az=118.0, Santa Cruz Islands

IDC 06 17:45:15.9, 0.6, 11.10S: 0.06:165.43E:0.10, h30km, mb3.9/11, Error ellipse: s-maj=10.6km s-min=7.4km az=149.6

IDC 06 17:57:29.1, 4.4, 10.79S: 167.80E, h0km, mb3.8/3, mb1 4.1/3, mb1mx3.5/46, mbtmp3.8/3, MS4.0/2, MS1 4.0/2, ms1mx3.1/42, Error ellipse: s-maj=217.8km s-min=34.8km az=139.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM, WRA, ASAR, FITZ, SONM, ILAR.

IDC 06 17:45:17.6, 0.7, 10.99S: 0.08:165.53E:0.10, h30km, n20, #1903/26, mb3.8/11, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA, ASAR, TGY, VANDA, ILAR.

IDC 06 17:35:22.2, 1.6, 10.90S: 165.24E, h0km, mb3.7/8, mb1 3.9/9, mb1mx3.8/43, mbtmp3.8/9, ML2.2/1, Error ellipse: s-maj=43.4km s-min=25.5km az=135.0

IDC 06 17:45:19.0, 0.6, 11.10S: 0.06:165.43E:0.10, h30km, n20, #1903/26, mb3.8/11, Santa Cruz Islands

IDC 06 18:02:53.8, 1.7, 10.88S: 165.17E, h0km, mb3.5/3, mb1 3.9/5, mb1mx3.5/46, mbtmp3.8/5, ML3.9/2, Error ellipse: s-maj=40.7km s-min=30.3km az=134.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR, DZM, WRA, MKK32, MKAR, YKAR.

IDC 06 17:45:19.0, 0.6, 11.10S: 0.06:165.43E:0.10, h30km, n20, #1903/26, mb3.8/11, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR, DZM, WRA, ASAR, ILAR.

IDC 06 17:35:27.2, 1.0, 10.9S: 0.1:165.3E:0.1, h31km, n14, #128/13, mb3.6/7, Santa Cruz Islands

IDC 06 17:45:19.0, 0.6, 11.10S: 0.06:165.43E:0.10, h30km, n20, #1903/26, mb3.8/11, Santa Cruz Islands

IDC 06 18:03:17.5, 0.5, 11.17S: 165.75E, h0km, mb4.4/21, mb1 4.6/23, mb1mx4.4/47, mbtmp4.5/23, ML4 6/2, Error ellipse: s-maj=17.7km s-min=13.7km az=121.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR, DZM, WRA, ASAR, CMAR, SONM, ILAR, MKAR.

IDC 06 17:45:19.0, 0.6, 11.10S: 0.06:165.43E:0.10, h30km, n20, #1903/26, mb3.8/11, Santa Cruz Islands

IDC 06 18:03:17.5, 0.5, 11.17S: 165.75E, h0km, mb4.4/21, mb1 4.6/23, mb1mx4.4/47, mbtmp4.5/23, ML4 6/2, Error ellipse: s-maj=17.7km s-min=13.7km az=121.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR, DZM, WRA, ASAR, CMAR, SONM, ILAR, MKAR.

IDC 06 17:45:19.0, 0.6, 11.10S: 0.06:165.43E:0.10, h30km, n20, #1903/26, mb3.8/11, Santa Cruz Islands

IDC 06 18:03:17.5, 0.5, 11.17S: 165.75E, h0km, mb4.4/21, mb1 4.6/23, mb1mx4.4/47, mbtmp4.5/23, ML4 6/2, Error ellipse: s-maj=17.7km s-min=13.7km az=121.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR, DZM, WRA, ASAR, CMAR, SONM, ILAR, MKAR.

IDC 06 17:45:19.0, 0.6, 11.10S: 0.06:165.43E:0.10, h30km, n20, #1903/26, mb3.8/11, Santa Cruz Islands

IDC 06 18:03:17.5, 0.5, 11.17S: 165.75E, h0km, mb4.4/21, mb1 4.6/23, mb1mx4.4/47, mbtmp4.5/23, ML4 6/2, Error ellipse: s-maj=17.7km s-min=13.7km az=121.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR, DZM, WRA, ASAR, CMAR, SONM, ILAR, MKAR.

IDC 06 17:45:19.0, 0.6, 11.10S: 0.06:165.43E:0.10, h30km, n20, #1903/26, mb3.8/11, Santa Cruz Islands

IDC 06 18:03:17.5, 0.5, 11.17S: 165.75E, h0km, mb4.4/21, mb1 4.6/23, mb1mx4.4/47, mbtmp4.5/23, ML4 6/2, Error ellipse: s-maj=17.7km s-min=13.7km az=121.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR, DZM, WRA, ASAR, CMAR, SONM, ILAR, MKAR.

IDC 06 17:45:19.0, 0.6, 11.10S: 0.06:165.43E:0.10, h30km, n20, #1903/26, mb3.8/11, Santa Cruz Islands

IDC 06 18:03:17.5, 0.5, 11.17S: 165.75E, h0km, mb4.4/21, mb1 4.6/23, mb1mx4.4/47, mbtmp4.5/23, ML4 6/2, Error ellipse: s-maj=17.7km s-min=13.7km az=121.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR, DZM, WRA, ASAR, CMAR, SONM, ILAR, MKAR.

IDC 06 17:45:19.0, 0.6, 11.10S: 0.06:165.43E:0.10, h30km, n20, #1903/26, mb3.8/11, Santa Cruz Islands

IDC 06 18:03:17.5, 0.5, 11.17S: 165.75E, h0km, mb4.4/21, mb1 4.6/23, mb1mx4.4/47, mbtmp4.5/23, ML4 6/2, Error ellipse: s-maj=17.7km s-min=13.7km az=121.0







6d 18h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like TNSS, IZV, ULHL, BOOM, NRN, TKM2, etc.

IDC 06 18:17:31.4±0.5, 11:09S; 165°11'E, h0km, mb4.4/17, mb1.4, 5/19, mb 1mx3, 3/51, mbmta, 4/19, ML4, 8/2, MS3.5/2, MS1 3.5/2, ms1mx3, 0/41, Error ellipse: s-maj=17.8km s-min=15.1km az=105.0

ISCJB 06 18:17:34.5±0.3, 11:21S; 0°05'165°0E±0.06, h31km, mb4.5/31, MS4.9/2, Error ellipse: s-maj=9.1km s-min=6.0km az=146.7

NEIC 06 18:17:34.3±0.5, 11:10S; 165°04'E, h18km±21km, mb4.9/12, Error ellipse: s-maj=9.0km s-min=6.0km az=47.0

ISC 06 18:17:36.2±0.4, 11:21S; 0°06'165°03E±0.08, h31km, n62, e±16/67, mb4.6/31, 1D, Santa Cruz Islands

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like HNR, DZM, WRA, STKA, etc.

2013 FEB

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like WMQ, LPIG, SYO, MKAR, YKA, TXAR, etc.

NNC 06 18:24:51.7±1.0, 36°70N; 170°14'E, h0km, mb4.0, mpv3.8, Error ellipse: s-maj=11.0km s-min=8.6km az=169.0

IDC 06 18:24:56.6±2.3, 36°44N; 171°25E, h192km±23km, mb3.3/10, mb1.3, 5/17, mb1mx3, 2/64, mbmp3.9/17, Error ellipse: s-maj=20.1km s-min=15.4km az=5.0

BUII 06 18:24:56.3±0.3, 36°63N; 171°11E, h223km, mb4.5/10, mb4.0/10, Error ellipse: s-maj=5.0km s-min=4.0km az=155.5

NEIC 06 18:24:57.0±0.6, 36°61N; 171°11E, h214km±9km, mb4.0/4, Error ellipse: s-maj=9.8km s-min=8.3km az=85.0

ISC 06 18:24:56.9±0.6, 36°67N; 171°18E±0.05, h200km, n67, e±180/75, mb3.8/13, 3C, Afghanistan-Tajikistan border

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like GARM, CHGR, KBL, CEP, BTK, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like SONM, HHC, FINES, ARCES, NB2, NOA, etc.

ISCJB 06 18:25:49.8±0.6, 11°40S; 0°07'165°81E±0.07, h10km, mb4.0/14, Error ellipse: s-maj=10.8km s-min=9.1km az=144.5

IDC 06 18:25:50.0±1.0, 11°23S; 165°84E, h0km, mb3.9/10, mb1.4/12, mb1mx3, 9/49, mbmp3.9/12, ML4, 4/2, Error ellipse: s-maj=30.6km s-min=21.1km az=135.0

NEIC 06 18:25:52.9±3.2, 11°31S; 165°89E, h21km±22km, mb4.4/3, Error ellipse: s-maj=11.4km s-min=10.4km az=51.0

ISC 06 18:25:51.1±0.7, 11°30S; 0°08'165°86E±0.10, h10km, n26, e±190/28, mb3.9/14, Santa Cruz Islands

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s, ISC. Includes stations like HNR, DZM, WRA, STKA, etc.





BRVK	comp=Z,28nm,0.7s SNR=11	20.08 342	P	P	19 06 19.1 +0.5
NVS	NVS	20.63	5 //P eS	S	19 06 24.5 0.0 19 10 01.8 -13
NVS	comp=Z,9.0nm,0.4s			pmax	
NVS	comp=N,8.0nm,0.5s			pmax	
NVS	comp=E,6.0nm,0.8s			pmax	
AB31	AKbulak array	21.24 321	i P	P	19 06 31.9 +0.7
AB31	comp=Z,26nm,0.6s			pmax	
ABKAR	AKbulak array	21.24 321	eP	P	19 06 31.8 +0.6
KMI	Kunming	21.43 109	P	P	19 06 34.2 +0.5
KMI			pP	S	19 06 42.8 +1.2
KMI			pP	S	19 07 00.3 +6.6
KMI			sS	S	19 10 27.4 -4.0
KMI			sS	S	19 10 42.1 +0.6
KMI			sS	S	19 11 03.8 +9.5
KMI	comp=Z,25nm,0.7s			pmax	
KMI	comp=Z,58nm,3.1s			LR	
KMI	comp=Z,370nm,10.9s			LR	
KMI	comp=Z,200nm,10.6s			LR	
KMI	comp=Z,240nm,11.4s			LR	
KMI	Kunming	21.43 109	eP	P	19 06 32.7 -1.0
KMI	comp=Z,18nm,0.7s			pmax	
KMI	Kunming	21.43 109	eP	P	19 06 32.7 -1.0
WSAR	Wadi Sarin	21.98 246	P	P	19 06 41.1 +1.6
WSAR	comp=Z,15nm,0.9s,baz=57,slow=9.5,LR=20			LR	
BANOM	Banah	22.41 255	i P	P	19 06 46.7 +2.8
BANOM	comp=Z,121nm,18.4s,baz=72,slow=41			P	
BANOM	Banah	22.41 255	P	P	19 06 48.8 +4.8
BANOM	SNR=5.1			P	
SHME	Shamm	22.48 255	i P	P	19 06 47.9 +3.1
SHME	SNR=5.2			P	
CHTO	Chiang Mai	22.61 128	eP	P	19 06 45.6 -0.5
CHTO	comp=Z,12nm,0.8s			pmax	
CHTO	Chiang Mai	22.61 128	eP	P	19 06 45.6 -0.5
CHTO	comp=Z,12nm,0.8s			pmax	
CHTO	Chiang Mai	22.61 128	P	P	19 06 47.4 +1.3
CHTO	SNR=7.5			P	
CHTO	Chiang Mai	22.61 128	P	P	19 06 47.1 +1.0
CHTO	comp=Z,68nm,1.0s			P	
CMMT	Chiang Mai	22.61 128	P	P	19 06 47.0 +0.8
CMMT	comp=Z,5nm,1.0s			P	
MSFE	Esma-Masafi	22.78 253	i P	P	19 06 51.6 +3.6
MSFE	SNR=7.4			P	
MOY	Mondy	22.85 34	eP	P	19 06 52.1 +3.5
CM31	Chiang Mai Arr	22.86 129	eP	P	19 06 47.8 -1.0
CM31	comp=Z,15nm,0.9s			P	
CM31	Chiang Mai Arr	22.86 129	P	P	19 06 49.4 +0.5
CM31	SNR=13			P	
CMAR	Chiang Mai Arr	22.86 129	P	P	19 06 49.8 +0.1
CMAR	comp=Z,5.7nm,0.8s,baz=302,slow=11,SNR=47			P	
CMAR	comp=Z,0.9nm,0.6s,baz=302,slow=3.4,SNR=7.3			P	
CMAR	comp=Z,93nm,21.1s,baz=315,slow=56			LR	
CM01	Chiang Mai Arr	22.90 129	eP	P	19 06 47.7 -1.6
CM01	AKtyubinsk	22.95 321	eP	P	19 06 49.4 -0.1
AKTO	AKtyubinsk	22.95 321	eP	P	19 06 49.4 -0.1
AKTO	AKtyubinsk	22.95 321	eP	P	19 06 49.4 -0.1
AKTO	AKtyubinsk	22.95 321	eP	P	19 06 49.4 -0.1
AKTO	comp=Z,34nm,0.8s,baz=122,slow=10,SNR=83			LR	
AKTO	comp=Z,113nm,18.9s,baz=128,slow=40			LR	
UOSS	Minazif	22.95 252	eP	P	19 06 51.0 +1.3
ZAK	Zakamensk	23.19 39	eP	P	19 06 51.6 -0.5
ZAK	comp=Z,5.0nm,1.0s			pmax	
ASHO	Ashiyah	23.19 252	i P	P	19 06 55.4 +3.1
ASHO	SNR=19			P	
ASHO	Ashiyah	23.19 252	P	P	19 06 56.1 +3.9
ASHO	SNR=9.6			P	
NAZ	Nazwa, Dubai	23.36 253	P	P	19 06 57.3 +3.5
NAZ	Nazwa, Dubai	23.36 253	P	P	19 06 57.3 +3.7
FAQ	Al Faqa, Dubai	23.53 253	P	P	19 06 58.6 +3.1
XAN	Xi'an	23.59 83	P	P	19 06 56.9 +0.8
XAN			pP	S	19 07 05.2 +0.9
XAN			S	S	19 11 13.3 +3.2
XAN	comp=Z,8.0nm,1.5s			pmax	
XAN	comp=Z,130nm,4.7s			LR	
XAN	comp=Z,410nm,13.0s			LR	
XAN	comp=Z,300nm,11.8s			LR	
XAN	Xi'an	23.59 83	eP	P	19 06 55.1 -1.0
XAN	comp=Z,27nm,1.5s			pmax	
XAN	Xi'an	23.59 83	eP	P	19 06 55.1 -1.0
XAN	comp=Z,27nm,1.5s			pmax	
SONAO	Songino Array	23.68 47	eP	P	19 06 57.9 +0.9
SONM	Songino Array	23.68 47	eP	P	19 06 57.9 +0.9
SONM	comp=Z,3.8nm,0.7s,baz=238,slow=10,SNR=32			P	
SONA1	Songino Array	23.69 47	eP	P	19 06 57.4 +0.3
ALNE	Al Ain	23.75 251	P	P	19 07 00.7 +3.0
MHTO	MHTO	23.81 242	P	P	19 07 01.6 +3.3
GVA	Gulyang	23.94 102	//P eP	P	19 06 58.8 -0.8
GVA			pP	S	19 07 09.2 +1.5
GVA			S	S	19 11 10.0 -5.9
GVA			S	S	19 11 26.6 +1.2
GVA			S	S	19 12 01.8 +6.2
GVA	comp=Z,20nm,0.8s			pmax	
GVA	comp=Z,120nm,4.8s			pmax	
GVA	comp=Z,540nm,16.2s			LR	
GVA	comp=Z,520nm,16.6s			LR	
GVA	comp=Z,510nm,16.4s			LR	
SUKH	Sukthothai	24.02 129	P	P	19 07 05.2 +4.9
ULN	Ulaanbaatar	24.09 48	eP	P	19 07 01.5 +0.5
ULN	comp=Z,8.8nm,0.8s			P	
ULN	Ulaanbaatar	24.09 48	iP	P	19 07 02.6 +1.7
ULN	comp=Z,9.0nm,0.8s			pmax	
AJN	Ajban	24.10 253	P	P	19 07 03.9 +2.9
TLY	Talaya	24.14 37	eP	P	19 07 01.2 0.0
TLY	comp=Z,7.7nm,1.4s			P	
TLY	Talaya	24.14 37	//P eP	P	19 07 02.6 +1.4
UTTA	Utтарadit	24.43 127	P	P	19 07 04.7 +0.6
UMPA	Umpang Tak	24.50 133	P	P	19 07 07.2 +2.4
UMPA	comp=Z,6.4nm,0.8s,comp=Z,76nm			P	
ENH	Enshi	24.89 91	eP	P	19 07 08.4 +0.1
UTHA	Uthaitan	25.36 133	eP	P	19 07 13.5 +1.0
UTHA	comp=Z,20nm,0.8s,comp=Z,182nm			P	
PBKT	Sadao Pong	25.56 129	eP	P	19 07 14.6 +0.4
PBKT	Sadao Pong	25.56 129	eP	P	19 07 15.1 +0.9
PBKT	comp=Z,16nm,1.0s,comp=Z,1um			P	
LKRN	Lenkeran, Azer	25.71 289	P	P	19 07 20.8 +5.3
LKRN	Nongkai	25.95 123	P	P	19 07 22.2 +4.2
LKRN	comp=Z,0.3nm,0.7s,comp=Z,73nm			P	
TIY	Taiyuan	26.08 73	eP	P	19 07 22.4 +3.4
TIY			S	S	19 11 54.4 +4.5
TIY	comp=Z,11nm,0.5s			pmax	
TIY	comp=Z,150nm,9.0s			LR	
TIY	comp=Z,340nm,9.9s			LR	
TIY	comp=Z,620nm,15.0s			LR	
SRDT	SRDT	26.11 135	P	P	19 07 20.3 +1.0
SRDT	comp=Z,42nm,0.9s			P	
SVE	Sverldovsk	26.24 335	//eP	P	19 07 21.1 +1.0
SVE	comp=Z,28nm,1.5s			pmax	
ARU	Arti	26.69 333	eP	P	19 07 24.4 +0.2
ARU	comp=Z,9.5nm,0.8s			P	
ARU	Arti	26.69 333	d//P	P	19 07 24.4 +0.2
ARU			S	S	19 10 47.4
ARU			S	S	19 11 59.6 +0.6
ARU			S	S	19 13 01.8 -0.5
ARU			S	S	19 13 01.8 -0.5
CHAI	Chaiyaphum	26.71 128	P	P	19 07 27.2 +2.5
CHAI	comp=Z,5.5nm,0.8s,comp=Z,251nm			P	
PALK	Pallekele	26.91 179	P	P	19 07 24.0 -2.5
PALK	Pallekele	26.91 179	P	P	19 07 24.0 -2.5
PALK	comp=Z,7.1nm,1.0s,baz=297,slow=6.8,SNR=2.0			P	
SEKA	Sheki	27.01 295	P	P	19 07 29.5 +2.1
MNGR	Mingechev, A	27.07 294	P	P	19 07 31.0 +3.2
SKNT	Sokolnikov	27.29 123	P	P	19 07 35.4 +5.5
ZKTA	Zakatala	27.47 295	P	P	19 07 33.9 +2.4
GANJ	Ganja	27.64 293	P	P	19 07 36.2 +3.2
NAX	Nakhchivan	28.27 290	P	P	19 07 43.0 +4.4
GNI	Garni	28.84 292	iP	P	19 07 47.2 +3.4
GNI	comp=Z,73nm,1.7s			pmax	
GNI	Garni	28.84 292	LR	LR	19 21 47.4
GNI	comp=Z,134nm,19.3s,baz=46,slow=42			P	
UBPT	Khong Chiam	29.49 124	P	P	19 07 58.1 +8.6
NCK	Nalchik	29.86 299	eP	P	19 07 54.6 +1.9
NCK	comp=Z,9.0nm,0.5s			pmax	
KBZ	Khabaz	30.39 299	P	P	19 07 59.0 +1.8
KBZ	comp=Z,2.5nm,0.9s,baz=135,slow=20,SNR=4.3			P	
NEY	Neytrino	30.47 298	eP	P	19 08 01.0 +2.7
NEY	comp=Z,3.0nm,1.5s			pmax	
KVAR	Kislovodsk Arr	30.55 300	P	P	19 07 58.9 0.0
KVAR	comp=Z,1.2nm,0.4s,baz=32,slow=15,SNR=2.8			P	
KIV	Kislovodsk	30.56 300	eP	P	19 07 58.4 -0.6
KIV	comp=Z,12nm,1.2s			P	
KIV	Kislovodsk	30.56 300	eP	P	19 07 59.9 +1.0
KIV	comp=Z,5.0nm,1.0s			pmax	
KIV	comp=Z,94nm,15.0s			MLR	
TRTT	Trang	31.79 142	P	P	19 08 11.8 +2.0
KIRV	Kirov	31.82 329	P	P	19 08 10.2 +0.6
KIRV	comp=Z,22nm,0.7s,baz=297,slow=2.3,SNR=13			P	
NJ2	Nanjing	32.15 83	eP	P	19 08 13.3 +0.4
NJ2	comp=Z,6.0nm,0.7s			pmax	
VRH	Novokhopovsk	32.57 313	eP	P	19 08 16.2 -0.2
VRH	comp=Z,2.0nm,0.6s			pmax	
VSR	Storozhevo	32.12 312	eP	P	19 08 29.2 -0.7
VSR	comp=Z,10.0nm,0.6s			pmax	
ANN	Anapa	34.38 301	eP	P	19 08 32.3 +0.1
ANN	comp=Z,10.0nm,0.6s			pmax	
ANN	Anapa	34.38 301	eP	P	19 08 37.9 -0.2
ANN	comp=Z,10.0nm,0.6s			pmax	
ANN	Anapa	34.38 301	eP	P	19 14 00.1 +0.6
ANN	comp=Z,2.6nm,1.1s			P	
LPSR	Galich'ya Gora	34.61 315	eP	P	19 08 34.4 +0.3
LPSR	comp=Z,20nm,0.8s			pmax	
PRGR	Permogore	35.14 332	eP	P	19 08 36.9 -1.7
PRGR	comp=Z,21nm,0.4s			pmax	
NRK	Noril'sk	35.31 4	P	P	19 08 40.5 +0.5
NRK	comp=Z,11nm,0.9s,baz=183,slow=6.9,SNR=11			P	
CN2	Changchun	35.87 61	eP	P	19 08 45.9 +0.8
MOS	Moscow	36.25 320	eP	P	19 08 48.4 +0.2
MOS	comp=Z,49nm,1.0s			pmax	
GS1	Gunungsitoli	36.56 150	eP	P	19 08 51.7 +0.5
OBN	Obninsk	36.64 318	eP	P	19 08 51.8 +0.2
OBN	comp=Z,48nm,1.4s			P	
OBN	Obninsk	36.64 318	eP	P	













Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like K39A, X50B, U47A, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like HHAR, KSU1, X40A, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like DLBC, DLBC, FYU, etc.







Table with columns: TOAD, Torodi Ar. Sit, 165.62 227, ePKPdf, PKPdf, 21 02 32.8 -1.7, etc.

NEIC 0620:42:53.7,0.3,11:36S;165.47E,h10km,mb4.7/15,Error ellipse: s-maj=8.9km s-min=8.0km az=174.0, ISCJB 0620:42:54.7,0.5,11:39S;0:09:165.33E;0.07,h24km, mb4.5/26,MS4.7/2,Error ellipse: s-maj=13.2km s-min=9.6km az=4.2, IDC 0620:42:54.9,3.1,10:79S;165.38E,h0km,mb4.2/8, mb1.4/3.9,mb1mx4.1/4.0,mbtmp4.3/9,ML3.3/1,Error ellipse: s-maj=95.1km s-min=30.7km az=175.0, ISC 0620:42:56.1,0.7,11.4S;0:1x165.40E;0.09,h24km,n54, c#107/43,mb4.5/26,1C-1D,Santa Cruz Islands

Main table for Santa Cruz Islands region with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, etc.

Table with columns: WR1, Warramunga Arr, 27.76 245, eP, P, 20 51 13.9 +0.5, etc.

IDC 0620:45:42.1,0.6,11:44S;165.00E,h0km,mb4.5/23, mb1.4/6.2,mb1mx4.5/4.2,mbtmp4.5/26,ML4.3/2,MS4.1/4, Ms1.4/0.4,ms1mx3.5/2.6,Error ellipse: s-maj=18.5km s-min=14.0km az=109.0, NEIC 0620:45:44.4,3.4,11:46S;165.00E,h14km,21km,mb4.7/4, Error ellipse: s-maj=8.5km s-min=6.2km az=70.0, ISCJB 0620:45:45.5,0.4,11:52S;0:07:164.90E;0.07,h34km, mb4.5/30,MS4.2/5,Error ellipse: s-maj=9.9km s-min=9.6km az=39.7, IDC 0620:45:47.2,0.5,11:51S;0:08:164.97E;0.08,h34km,n40, c#107/43,mb4.5/30,MS4.2/5,Santa Cruz Islands

Main table for Bougainville-Solomon Islands region with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, etc.

Table with columns: ASAJ, Asahikawa, 25.27 355, P, P, 20 51 28.9 +1.1, etc.

LJU 0620:59:28.1,46:07N;15:00E,h11km,ML0.5,2C, Northwest Balkan Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, etc.

IDC 0621:04:07.9,2.2,11:93S;162.56E,h0km,mb3.5/3, mb1.3/8.4,mb1mx3.5/3.2,mbtmp3.6/4,ML4.1/1,Error ellipse: s-maj=43.3km s-min=35.6km az=115.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, etc.

MEX 0621:09:16.4,0.5,15:29N;91:37W,h207km,6km,MD3.9, Mexico-Guatemala border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, etc.

IDC 0621:13:37.2,0.8,11:50S;164:99E,h0km,mb4.0/11, mb1.4/2.1,mb1mx4.0/3.9,mbtmp4.1/14,ML4.3/3,MS3.4/4, Ms1.3/4.4,ms1mx3.1/3.3,Error ellipse: s-maj=24.4km s-min=18.7km az=122.0, ISCJB 0621:13:40.9,0.4,11:69S;0:07:164.88E;0.08,h34km, mb4.1/19,MS3.6/2,Error ellipse: s-maj=11.3km s-min=9.4km az=0.5, NEIC 0621:13:40.8,2.7,11:56S;164:95E,h22km,19km,mb4.3/10, Error ellipse: s-maj=9.1km s-min=7.1km az=214.0, ISC 0621:13:42.4,0.6,11:56S;0:09:165.00E;0.1,h34km,n39, c#056/35,mb4.1/19,Santa Cruz Islands region

Main table for Bougainville-Solomon Islands region with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, etc.



Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like RND Reindeer, MCK McKinley, IM3 Indian Mountain, etc.

Table for Santa Cruz Islands region with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like HNR Honiara, HNR Charters Tower, etc.

IDC 06:21:54:55.9:1.5, 1.25:25N:132:61W, h0km, mb3.2/2, mb1 3.4/8, mb1mx3.4/5, mbmtmp3.1/8, ML3.2/6, MS3.4/2, MS1 3.4/2, ms1mx2.8/20, Error ellipse: s-maj=20.3km s-min=11.7km az=253

PGC 06:21:54:58.3:1.1, 52:48N:132:49W, h26km, ML3.7/12, 96km southwest of Sandspit, Bc Haida Gwaii Region

Table for Queen Charlotte Islands region with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like BNB Barry Inlet, HG3B Hotspring, etc.

NEIC 06:21:55:02.9:4.7, 11:63S:164:93E, h7km, 29km, mb4.4/18, Error ellipse: s-maj=10.9km s-min=9.0km az=74.0

IDC 06:21:55:02.0:0.8, 11:63S:164:96E, h0km, mb4.2/12, mb1 4.4/15, mb1mx4.2/39, mbtmp4.2/15, ML4.0/3, Error ellipse: s-maj=24.2km s-min=18.7km az=116.0

ISCJB 06:21:55:05.0:0.3, 11:72S:0:164:82E, 0.06, h34km, mb4.3/28, Error ellipse: s-maj=9.1km s-min=7.9km az=9.0

Table for Santa Cruz Islands region with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like NV01 Mina Array Sit, NVAR Mina Array Bea, etc.

IDC 06:22:00:38.5:1.0, 11:20S:165:07E, h0km, mb3.9/10, mb1 4.2/12, mb1mx3.9/42, mbtmp4.0/12, ML4.4/2, Error ellipse: s-maj=31.7km s-min=19.2km az=134.0

NEIC 06:22:00:39.0:0.6, 11:22S:165:08E, h10km, mb4.2/3, Error ellipse: s-maj=11.9km s-min=10.6km az=115.0

ISCJB 06:22:00:41.7:0.6, 11:29S:0:164:92E, 0.07, h31km, mb3.9/12, Error ellipse: s-maj=12.2km s-min=10.1km az=26.6

ISC 06:22:00:43.2:0.8, 11:2S:0:165:0E, 0.1, h31km, m28, s=1903:23, mb4.0/12, Santa Cruz Islands

Table for Santa Cruz Islands with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like HNR Honiara, HNR Mont Dzumac, etc.

IDC 06:22:05:01.4:1.7, 11:10S:165:11E, h0km, mb3.4/3, mb1 3.7/4, mb1mx3.5/49, mbtmp3.5/4, ML3.7/1, Error ellipse: s-maj=52.0km s-min=30.8km az=129.0, Santa Cruz Islands

Table for Santa Cruz Islands with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, etc.

IDC 06:22:07:37.0:0.7, 12:01S:166:10E, h0km, mb4.6/17, mb1 4.6/19, mb1mx4.4/48, mbtmp4.6/19, ML4.8/2, Error ellipse: s-maj=22.1km s-min=15.6km az=118.0

NEIC 06:22:07:38.0:0.3, 12:02S:166:03E, h10km, mb4.9/15, Error ellipse: s-maj=9.2km s-min=6.9km az=98.0

ISCJB 06:22:07:40.2:0.4, 12:13S:0:165:96E, 0.07, h30km, mb4.6/36, Error ellipse: s-maj=9.9km s-min=7.3km az=167.6

ISC 06:22:07:41.9:0.5, 12:07S:0:166:04E, 0.08, h30km, m64, s=0599:70, mb4.6/36, 2C, Santa Cruz Islands

Table for Santa Cruz Islands with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

IDC 06:21:50:15.9:1.5, 11:24S:164:77E, h0km, mb3.8/7, mb1 4.0/9, mb1mx3.8/38, mbtmp3.9/9, ML4.2/2, Error ellipse: s-maj=40.1km s-min=24.0km az=130.0

ISCJB 06:21:50:19.0:1.0, 11:4S:0:164:7E, 0.1, h31km, mb3.7/7, Error ellipse: s-maj=19.0km s-min=13.3km az=23.8

ISC 06:21:50:20.6:1.2, 11:3S:0:164:8E, 0.1, h31km, n15,





TDK	comp=Z,535nm,20.0s Taldyqorghan comp=Z,859nm,0.6s	50.26 340 eP	P	22 21 12.4 -1.9	SEM	comp=Z,256nm,1.7s	eLR	LR	22 46 07.4	GNI	Garni SNR=5.6	65.40 316 iP	P	22 23 01.1 +0.3
TDK	comp=Z,668nm,4.9s	↑eS	S	22 28 25.3 +0.4	OPO	comp=Z,296nm,16.7s Ambohitrampopo 54.71 248 P	P	P	22 21 49.3 +1.4	GNI	Garni	65.40 316deP	P	22 23 01.1 +0.3
TDK	comp=Z,535nm,20.3s Ospenovka	50.27 336 P	P	22 21 14.3 -0.1	ABPO	comp=Z,177nm,0.9s Ambohimanpanom 54.76 248 eP	eP	P	22 21 49.1 +0.8	GNI	comp=Z,227nm,1.3s Garni SNR=8.7	65.40 316 P	P	22 23 01.3 +0.4
USP	SNR=59 Esmā-Masafi	50.37 305 iP	P	22 21 16.0 +0.5	ABPO	comp=Z,480nm,19.0s Ambohimanpanom 54.76 248 eP	eP	P	22 21 49.1 +0.8	GNI	comp=Z,280nm,0.9s Delisi SNR=12	66.08 318 eP	P	22 23 05.3 +0.3
MSFE	SNR=16 Changchun	50.45 24 eP	P	22 21 14.5 -1.2	ABPO	comp=Z,177nm,0.9s	MLR	MLR		TBLG	comp=Z,138nm,1.1s Delisi	66.08 318 eP	P	22 23 05.3 +0.3
CN2	comp=Z,30nm,0.9s	PcP	P	22 22 37.3 +3.6	TOO	comp=Z,480nm,19.0s Toolangi	54.84 136 P	P	22 21 50.0 +1.7	TBLG	comp=Z,228nm,1.3s Sverdlouvs	66.37 337dIP	P	22 23 05.7 -0.9
CN2	comp=Z,300nm,5.0s	Pmax	Pmax		KURBB	baz=55,SNR=6.5 Kurchatov Arra	55.19 343 P	P	22 21 50.0 -0.6	SVE	comp=Z,747nm,18.0s Tutak	66.45 315 iP	P	22 23 07.9 +0.2
CN2	comp=Z,2μm,15.0s	LR	LR		KURBB	comp=Z,167nm,0.9s Kurchatov	55.25 343 eP	eP	22 21 50.5 -0.3	TUTA	comp=Z,95nm,0.1s Arti	66.91 336 eP	P	22 23 08.7 -1.3
CN2	comp=Z,1μm,15.0s	LR	LR		KURK	comp=Z,248nm,0.8s	S	S	22 29 31.7 -1.0	ARU	comp=Z,96nm,1.1s	LR	LR	
FAQ	comp=Z,1μm,15.0s Al Faqa, Dubai	50.58 304 iP	P	22 21 16.8 -0.2	KURK	comp=Z,1μm,20.0s Kurchatov	55.25 343cIP	cIP	22 21 50.4 -0.5	ARU	comp=Z,74nm,1.4s	MLR	MLR	
FAQ	SNR=43 Al Faqa, Dubai	50.58 304 P	P	22 21 18.0 +1.0	KURK	comp=Z,327nm,1.0s Kurchatov	55.25 343 P	P	22 21 50.5 -0.5	ARU	comp=Z,697nm,20.0s Tsey	67.09 318 eP	P	22 23 10.8 -0.9
FAQ	SNR=21	P	P	22 21 18.0 +1.0	KURK	SNR=92	55.25 343 P	P	22 21 50.8 -0.7	ARU	comp=Z,52nm,0.7s	MLR	MLR	
ZSN	Zaisan	50.62 346deP	P	22 21 15.7 -1.2	GEYT	Alibeck	55.28 320 P	P	22 21 51.1 +0.6	YAK	comp=N,28nm,1.1s	Pmax	Pmax	
ZSN	comp=Z,557nm,1.0s	Pmax	Pmax		GEYT	comp=Z,42nm,0.8s Young Array	55.28 320 eP	eP	22 21 53.1 -0.5	YAK	comp=N,24nm,1.1s	Pmax	Pmax	
ZSN	comp=Z,74nm,11.0s Zaisan	50.62 346eP	P	22 21 15.7 -1.2	GYA0B	ALIBECK ARRAY	55.28 320 eP	eP	22 21 51.1 -0.5	YAK	comp=N,83nm,4.0s	Pmax	Pmax	
ZSN	comp=Z,557nm,1.0s	eLR	LR	22 43 43.7	YNG	comp=Z,47nm,0.9s Young Array	55.42 132 P	P	22 21 53.1 +0.6	YAK	comp=N,28nm,1.1s	Pmax	Pmax	
NAZ	comp=Z,74nm,10.5s Nazwa, Dubai	50.63 304 iP	P	22 21 17.4 +0.1	CAN	baz=56,SNR=9.0 Canberra	56.30 132 eP	eP	22 21 60.0 +1.0	YAK	comp=Z,167nm,4.6s	Pmax	Pmax	
NAZ	SNR=6.3 Nazwa, Dubai	50.63 304 P	P	22 21 19.8 +2.4	CAN	comp=Z,73nm,1.1s Canberra	56.30 132 eP	eP	22 22 00.0 +1.0	YAK	comp=N,120nm,4.6s	smax	smax	
NAZ	SNR=17	P	P	22 21 16.4 -0.9	CAN	comp=Z,73nm,1.1s Armidale	56.43 126 P	P	22 22 01.1 +1.0	YAK	comp=N,280nm,4.6s	smax	smax	
MKAR	Makanchi Array	50.67 344 P	P	22 28 29.4 -1.1	ARMA	baz=56,SNR=16 Zalesovo Array	56.77 349 eP	eP	22 22 00.6 -1.3	YAK	comp=N,188nm,4.6s	MLR	MLR	
MKAR	comp=Z,5.3nm,1.0s Taraz	51.34 333 eP	P	22 21 20.2 -0.1	ZAAO	comp=Z,162nm,0.9s Zalesovo Beam	56.77 349 P	P	22 22 00.7 -1.2	YAK	comp=Z,1μm,20.0s	MLR	MLR	
MKAR	comp=Z,481nm,18.2s Aljan	51.01 304 iP	P	22 21 24.3 +4.1	ZALV	comp=Z,190nm,1.0s Zalesovo Beam	56.77 349 P	P	22 29 48.9 -4.0	YAK	comp=N,16nm,1.4s	smax	smax	
AJN	SNR=6.7 Aljan	51.01 304 P	P	22 21 24.3 +4.1	ZALV	comp=Z,2.5nm,0.9s Zalesovo Beam	56.77 349 P	P	22 29 48.9 -4.0	YAK	comp=N,83nm,4.0s	Pmax	Pmax	
AJN	SNR=6.7	P	P	22 21 24.3 +4.1	ZALV	comp=Z,344nm,19.0s Zalesovo Beam	56.77 349 P	P	22 29 48.9 -4.0	YAK	comp=N,120nm,4.6s	smax	smax	
DZA	SNR=6.7 Taraz	51.34 333 eP	P	22 21 20.8 -1.7	ZALV	comp=Z,1.1nm,0.7s Zalesovo Beam	56.77 349 P	P	22 22 05.8 -0.5	YAK	comp=N,280nm,4.6s	smax	smax	
DZA	comp=Z,200nm,1.1s	eS	S	22 28 42.4 +2.5	MGCD	Mangrove Creek	57.04 129 P	P	22 22 05.1 +1.0	YAK	comp=N,188nm,4.6s	MLR	MLR	
DZA	comp=N,147nm,4.9s Taraz	51.34 333 eP	P	22 21 20.8 -1.7	KLR	Kul'dur	57.40 24 iP	iP	22 22 05.2 -1.1	YAK	comp=N,83nm,4.0s	Pmax	Pmax	
DZA	comp=N,200nm,1.1s	eS	S	22 28 42.5 +2.5	KLR	comp=Z,39nm,0.6s Kul'dur	57.40 24 eP	eP	22 22 05.8 -0.5	YAK	comp=N,188nm,4.6s	MLR	MLR	
DZA	comp=N,147nm,4.9s Taraz	51.34 333 eP	P	22 21 21.2 -1.6	DAMY	Dhamar	57.59 288 eP	eP	22 22 10.7 +2.0	YAK	comp=Z,1μm,20.0s	MLR	MLR	
DZA	comp=N,200nm,1.1s	eS	S	22 28 42.5 +2.5	NVS	Novosibirsk	57.92 348 iP	iP	22 22 08.6 -1.3	YAK	comp=N,16nm,1.4s	smax	smax	
IUG	comp=N,147nm,4.9s Iuzhnay	51.37 331 eP	P	22 28 40.7 +0.2	NVS	comp=Z,36nm,0.6s	Pmax	Pmax		HOMI	Horasan	67.35 315 iP	P	22 23 14.7 +1.3
IUG	comp=Z,761nm,1.4s	Pmax	Pmax		NVS	comp=N,13nm,0.4s	Pmax	Pmax		HOMI	comp=Z,197nm,0.2s Nalchik	67.60 319 iP	P	22 23 14.6 -0.1
IUG	comp=N,1μm,4.0s Iuzhnay	51.37 331 eP	P	22 21 21.2 -1.6	NVS	comp=N,16nm,1.2s	smax	smax		NCK	comp=Z,84nm,0.9s Agillar	67.74 316 iP	P	22 23 15.2 -0.6
IUG	comp=N,761nm,1.4s	↑iS	S	22 28 40.8 +0.2	NVS	comp=N,10.0nm,0.9s Erimo	58.12 37 PFAKE	LR	22 22 20.0 +8.5	DAGI	comp=Z,190nm,0.5s Demircent	67.78 316 iP	P	22 23 16.4 +0.3
CHM	comp=N,1μm,4.0s Chimkent	51.71 331 eP	P	22 21 29.4 +4.2	ERM	comp=Z,1μm,22.0s Moorlands	58.43 141 P	P	22 22 14.4 +0.6	DAGI	comp=Z,524nm,0.9s Neytrino	68.07 318 iP	P	22 23 18.7 +0.8
CHM	comp=N,427nm,1.1s	eS	S	22 28 48.1 +3.1	ERM	baz=56,SNR=3.8 Tasmania Unive	58.75 141 PFAKE	LR	22 22 30.0 +1.4	HANI	comp=Z,44nm,0.2s Diyarbakir Han	67.83 313 iP	P	22 23 16.2 -0.1
CHM	comp=N,727nm,5.2s Chimkent	51.71 331 eP	P	22 21 29.4 +4.2	MOO	comp=Z,3μm,19.0s Zeya	59.48 18 eP	eP	22 22 19.8 -1.0	HANI	comp=Z,296nm,0.7s Bademkaya	67.87 316 iP	P	22 23 16.6 0.0
CHM	comp=N,427nm,1.1s	eS	S	22 28 48.2 +3.1	TAU	comp=Z,3μm,19.0s Zeya	59.48 18 eP	eP	22 22 19.8 -1.0	DBAD	comp=Z,524nm,0.9s Neytrino	68.07 318 iP	P	22 23 18.7 +0.8
CHM	comp=N,727nm,5.2s Matsushiro	51.74 39 eP	P	22 21 24.7 -0.8	ZEA	comp=N,46nm,1.4s	Pmax	Pmax		NEV	comp=Z,10.0nm,0.8s Khabaz	68.15 319 P	P	22 23 17.8 -0.3
MAJO	comp=N,15nm,1.0s	LR	LR		ZEA	comp=N,43nm,1.2s	Pmax	Pmax		NEV	comp=Z,52nm,0.9s Khabaz	68.15 319 eP	P	22 25 17.1
MAJO	comp=Z,1μm,19.0s Matsushiro	51.74 39 iP	P	22 21 23.6 -1.9	ZEA	comp=Z,46nm,1.0s Honiar	59.83 100 PFAKE	LR	22 22 40.0 +1.6	KBZ	comp=Z,187nm,18.7s Kop Dag	68.34 103 iP	P	22 23 22.0 +2.3
MAJO	comp=Z,8.0nm,0.7s Matsushiro	51.74 39 eP	P	22 21 24.2 -1.3	HNR	comp=Z,1μm,19.0s Honiar	59.83 100 PFAKE	LR	22 22 40.0 +1.6	KOPT	comp=Z,55nm,0.1s Kislovodsk Arr	68.38 319 P	P	22 23 21.4 +1.7
MAJO	comp=Z,8.0nm,0.7s Matsushiro	51.74 39 eP	P	22 21 24.2 -1.3	HNR	comp=Z,1μm,19.0s Honiar	59.83 100 PFAKE	LR	22 22 40.0 +1.6	KOPT	comp=Z,19nm,1.0s Kislovodsk	68.39 319 eP	P	22 23 19.1 -0.7
MAT	comp=Z,7.8nm,1.0s Matsushiro	51.74 39 P	P	22 22 38.6 0.0	BVAR	comp=Z,49nm,10.0s Borovoye Array	59.86 340 P	P	22 22 21.9 -1.6	KIV	comp=Z,279nm,19.0s Kislovodsk	68.39 319 iP	P	22 23 19.3 -0.5
MJAR	comp=Z,11nm,0.8s Matsushiro	51.74 39 P	P	22 22 38.6 0.0	BVAR	comp=Z,264nm,0.8s Borovoye Array	59.86 340 P	P	22 22 21.9 -1.6	KIV	comp=Z,19nm,0.9s Kislovodsk	68.39 319 eP	P	22 23 19.1 -0.7
MJAR	comp=Z,7.8nm,1.0s Matsushiro	51.74 39 P	P	22 22 38.6 0.0	BVAR	comp=Z,264nm,0.8s Borovoye Array	59.86 340 P	P	22 22 21.9 -1.6	KIV	comp=Z,114nm,1.0s Kislovodsk	68.39 319 eP	P	22 23 19.0 -0.7
MJAR	comp=Z,7.8nm,1.0s Matsushiro	51.74 39 P	P	22 22 38.6 0.0	BVAR	comp=Z,264nm,0.8s Borovoye Array	59.86 340 P	P	22 22 21.9 -1.6	KIV	comp=Z,118nm,1.0s Kislovodsk	68.39 319 P	P	22 23 19.2 -0.5
MJAR	comp=Z,3.0nm,0.8s Zakamensk	51.79 2 eP	P	22 22 34.6	BRVK	comp=Z,0.9nm,0.7s Borovoye Array	59.92 340 eP	eP	22 22 22.6 -1.3	KIV	comp=Z,19nm,0.9s Kislovodsk	68.39 319 iP	P	22 23 19.1 -0.7
ZAK	comp=Z,15nm,1.1s	Pmax	Pmax		BRVK	comp=Z,396nm,20.0s Borovoye	59.92 340cIP	cIP	22 22 22.4 -1.4	KIV	comp=Z,118nm,1.0s Kislovodsk	68.39 319 P	P	22 23 19.2 -0.5
ZAK	comp=Z,9.0nm,0.8s	Pmax	Pmax		BRVK	comp=Z,91nm,1.0s Borovoye	59.92 340 P	P	22 22 22.6 -1.3	KIV	comp=Z,5.9nm,0.3s Uzumli	68.80 314 iP	P	22 23 25.6 +3.2
ZAK	comp=Z,9.0nm,0.8s	Pmax	Pmax		BRVK	comp=Z,91nm,1.0s Borovoye	59.92 340 P	P	22 22 22.6 -1.3	ASF	comp=Z,25nm,0.9s Jabal al Asfar	68.56 305 P	P	22 23 21.3 +0.3
KK31	Karatay Array	51.88 332 eP	P	22 21 26.4 -0.1	BRVK	SNR=39	60.19 8 eP	eP	22 22 23.8 -1.8	BAYB	comp=Z,19nm,0.1s Gofitskoye	68.62 320 iP	P	22 23 22.4 +1.3
KK31	Karatay Array	51.88 332 eP	P	22 21 26.4 -0.1	BRVK	SNR=39	60.19 8 eP	eP	22 22 23.8 -1.8	BAYB	comp=Z,120nm,1.3s SANLIURFA SURG	68.63 311 iP	P	22 23 21.2 -0.2
KKAR	Karatay Array	51.88 332 eP	P	22 21 26.4 -0.1	BRVK	SNR=39	60.19 8 eP	eP	22 22 23.8 -1.8	BAYB	comp=Z,1.6nm,0.2s Tuncel-Merkez	68.70 313 iP	P	22 23 24.9 +3.1
KKAR	Karatay Array	51.88 332 eP	P	22 21 26.4 -0.1	BOD	comp=Z,52nm,1.2s Gornyy	60.52 25 eP	eP	22 22 27.8 -0.2	BAYB	comp=Z,25nm,0.9s Uzumli	68.80 314 iP	P	22 23 25.6 +3.2
BTLS	Baital	51.91 337 eP	P	22 21 24.0 -2.6	GRNR	comp=Z,21nm,1.0s Yuzh-Sakhalins	60.94 32 eP	eP	22 22 30.7 -0.2	GOF	comp=Z,117nm,0.1s Daraweish	69.19 304 P	P	22 23 26.6 +1.5
BTLS	comp=Z,279nm,1.7s	Pmax	Pmax		GRNR	comp=Z,21nm,1.0s Yuzh-Sakhalins	60.94 32 eP	eP	22 22 30.7 -0.2	GOF	comp=Z,238nm,0.9s Kemaliye	69.27 314 iP	P	22 23 25.3 -0.2
BTLS	comp=N,237nm,4.3s	MLR	MLR		YSS	comp=Z,983nm,19.0s Yuzh-Sakhalins	60.94 32ceP	ceP	22 22 29.8 -1.1	SURC	comp=Z,424nm,0.9s Elat	69.52 302 P	P	22 23 27.3 +0.3
BTLS	comp=Z,279nm,1.7s	↑eS	S	22 28 44.2 -3.6	YSS	comp=Z,983nm,19.0s Yuzh-Sakhalins	60.94 32ceP	ceP	22 22 29.8 -1.1	SURC	comp=Z,424nm,0.9s Elat	69.52 302 P	P	22 23 27.3 +0.3
BTLS	comp=Z,237nm,4.2s	eLR	LR	22 43 40.8	YSS	comp=Z,50nm,0.9s	Pmax	Pmax		SURC	comp=Z,424nm,0.9s Elat	69.52 302 P	P	22 23 27.1 +0.1
BTLS	comp=Z,92nm,10.0s	MLR	MLR		YSS	comp=Z,40								





Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like PSZ Piszkesteto, PBUR Paburg, OJC Ojcow, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like CLL Collm, STEI Steigen, MORB Mol Rana, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes entries like L04D Klamath Falls, J05D Fort Rock, K04D Chiloquin, etc.

6d 22h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like HDIL Hopedale, ACSSO Alum Creek Sta, MNTX Cornudas Mount, etc.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like V52A Sevierville, X44A Crenshaw, TKL Tuckechee C, W48A Pulaski, etc.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like 353A Camilla, 355A Pearson, 357A Townsend, etc.

IDC 06 22:17:25.611.6, 11:935x165:38E, h0km, mb4.0/3, mb1.4/1.4, mb1mx3.7/49, mbmtmp3.9/4, ML3.6/1, Error ellipse: s-maj=56.3km s-min=40.0km az=85.0, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical parameters. Includes stations like DZM Mont Dzumac, CMAR Chiang Mai Arr, etc.

BUI 06 22:20:16.3, 10:89S, 165:83E, h8km, mb5.7/41, mb5.0/56, MS5.6/40, MS7.5/38, IDC 06 22:16.1, 0.4, 11:125x165:75E, h0km, mb4.9/28, mb1.5/0.3, mb1mx5.0/42, mbmtmp4.9/30, ML5.2/2, MS5.2/9, MS1.5/1.9, ms1mx5.0/1.4, Error ellipse: s-maj=15.4km s-min=11.9km az=108.0, ISCBJ 06 22:20.19.5, 0.1, 11:16S:165:63E, h24km, mb5.4/71, MS5.3/23, Error ellipse: s-maj=4.2km s-min=3.8km az=185.0, MOS 06 22:21.9, 0.7, 10:70S:165:66E, h33km, mb5.3/38, MS5.1/1.5, Error ellipse: s-maj=16.8km s-min=9.1km az=115.6, GCMT 06 22:20.24, 0.0, 11:27S:01:165:35E, 0:02, h18km, MW5.6/91, Moment Tensor Solution: s71.c104; s91.c140; Duration: 1s6 Moment tensor: Scale 10^17Nm; Mw=2.44±.09; Mo=1.63±.06; Mo=0.80±.08; Mo=0.70±.15; Mw=2.41±.06; Mo=0.95±.20; Best double couple: M=3.28500x10^17 Np1, 140.00000°, 856.00000°, λ=78.00000°, NP2=298.00000°, 836.00000°, λ=108.00000°. Principal axes: T 3.8720, P1g10.0000°, Azm221.0000°, N -1.1750, P1g10.0000°, Azm313.0000°, P -2.6990, P1g70.0000°, Azm187.0000°. nsta1 refs to body waves, cutoff=40s. nsta2 refs to surface/mantle waves, cutoff=50s. Triangular moment-rate function ISC 06 22:21.5-0.3, 11:11S:0:05:165:64E, 0:05, h30km, m598,





MKAR	comp=Z,2.8nm,0.7s,baz=275,slow=3.2,SNR=22	PKKP	PKKPdf	22 50 38.7	-2.5
ZALV	Zalesovo Beam 93.55 324 P	P		22 33 33.2	-1.2
BW06	comp=Z,5.3nm,0.9s,baz=105,slow=4.8,SNR=14	PKKP		22 33 34.9	-0.7
BW06	Boulder Array 93.67 47 P	LR			
BW06	comp=Z,8.77nm,20.0s			22 33 33.7	-2.0
PD31	Pinedale Array 93.67 47 eP	P		22 33 35.4	-0.2
PDAR	Pinedale Array 93.67 47 P	P		22 33 34.4	-1.3
MAKZ	Makanchi 93.72 317 eP	P		22 33 35.2	-0.2
MAKZ	Makanchi 93.72 317 eP	P		22 33 35.2	-0.2
OZ0A	White River Ci 94.13 50 P	P		22 33 35.5	-1.2
RLMT	Red Lodge 94.35 45 eP	LR	P	22 33 41.1	+2.5
RLMT	comp=Z,1.1um,20.0s				
ANMO	Albuquerque 94.57 55 PFAKE	LR		22 33 50.0	+1.0
ANMO	comp=Z,1.1um,20.0s				
ANMO	Albuquerque 94.57 55j eP	P	P	22 33 38.6	-1.3
ANMO	comp=Z,5.0nm,1.3s				
ANMO	Albuquerque 94.57 55 P	P		22 33 38.0	-1.8
EGMT	Eagleton 94.59 42 eP	P		22 33 38.8	-0.6
EGMT	comp=Z,9.6nm,1.0s				
EGMT	comp=Z,9.21nm,20.0s				
EGMT	Eagleton 94.59 42 P	P		22 33 38.0	-1.5
NVMS	Novosibirsk 94.66 325 i P	P		22 33 39.0	-0.5
S22A	4UR Ranch, Cre 94.77 53 P	P		22 33 39.0	-1.9
MNTX	Cornudas Mount 94.89 59 PFAKE	LR		22 33 50.0	+8.8
MNTX	comp=Z,2.1um,19.0s				
MNTX	Cornudas Mount 94.89 59 P	P		22 33 39.8	-1.4
YKA	Yellowknife Ar 95.08 27 P	P		22 33 39.0	-2.2
YKA	comp=Z,2.6nm,0.9s,baz=254,slow=4.6,SNR=13			22 37 32.8	+1.7
SDCO	Great Sand Dun 95.81 53 PFAKE	LR		22 34 00.0	+1.4
SDCO	comp=Z,0.5nm,0.9s,baz=262,slow=8.0,SNR=3.9				
ISCO	Idaho Springs 96.06 51 PFAKE	LR		22 34 00.0	+1.3
ISCO	comp=Z,1.1um,20.0s				
NVL	NWazarevskaya 96.38 188 eP	P	P	22 33 57.3	+1.0
NVL	comp=Z,1.1um,16.1s				
T25A	Trinidad 96.57 54 P	P		22 33 48.1	-0.9
KURK	Kurchatov 96.63 320 PFAKE	LR		22 34 00.0	+1.1
KURK	comp=Z,1.1um,21.0s				
KURK	Kurchatov 96.63 320j eP	P	P	22 33 46.8	-1.8
KURK	comp=Z,7.0nm,1.5s				
LAO	LASA Array 96.71 44 PFAKE	LR		22 34 00.0	+1.1
LAO	comp=Z,1.1um,19.0s				
LAO	LASA Array 96.71 44 P	P		22 33 48.5	-0.7
KSH	Kashi 96.72 309 P	P		22 33 50.5	+1.0
KSH	comp=Z,3.0nm,1.0s,baz=261,slow=5.0,SNR=4.2			22 33 53.3	+3.7
KSH	comp=Z,2.1um,20.0s			22 37 48.6	+4.0
KSH	comp=Z,2.1um,20.0s			22 44 23.1	-1.5
KSH	comp=Z,2.1um,20.0s			22 45 09.8	0.0
KSH	comp=Z,2.1um,20.0s			22 51 47.9	+3.1
KSH	comp=Z,300nm,4.9s				
KSH	comp=Z,200nm,8.0s				
KSH	comp=Z,410nm,7.2s				
KSH	comp=Z,1.1um,16.4s				
SNAAL	Sanas 97.04 184j eP	P	P	22 33 50.7	+0.4
NIL	Nilore 98.03 303 PFAKE	LR		22 34 10.0	+1.5
AAK	Ala-Archa 98.27 312 PKKPbc	PKKPbc		22 50 27.1	-2.3
AAK	comp=Z,7.00nm,20.0s				
AAK	Ala-Archa 98.27 312 PKKPbc	PKKPbc		22 50 27.1	-2.3
AAK	comp=Z,3.0nm,1.0s,baz=261,slow=5.0,SNR=4.2				
DGMT	Dagmar 98.33 42 PFAKE	LR		22 34 10.0	+1.4
DGMT	comp=Z,1.1um,20.0s				
OGNE	Ogallala 98.30 50 PFAKE	LR		22 34 10.0	+1.1
JCT	Junction City 99.44 61 PFAKE	LR		22 34 10.0	+8.2
FFC	Flin Flon 100.35 36 PFAKE	LR		22 34 20.0	+1.5
FFC	comp=Z,2.1um,19.0s				
FFC	Flin Flon 100.35 36 i P	P	P	22 34 05.1	-0.1
CBKS	Cedar Bluff 100.45 52 PFAKE	LR		22 34 20.0	+1.4
CBKS	comp=Z,1.1um,20.0s				
WMOK	Wichita Mounta 100.79 57 PFAKE	LR		22 34 20.0	+1.2
WMOK	comp=Z,2.1um,19.0s				
BRVK	Borovoye 102.01 322 PFAKE	LR		22 34 20.0	+7.4
BRVK	comp=Z,6.16nm,20.0s				
BRVK	Borovoye 102.01 322j eP	P	P	22 34 11.6	-1.0
BRVK	comp=Z,6.0nm,1.2s				
KSU1	Kansas State U 102.90 52 PFAKE	LR		22 34 30.0	+1.3
ECSO	EROS Data Cent 103.17 48 PFAKE	LR		22 34 30.0	+1.2
ECSO	comp=Z,1.1um,20.0s				
PAYG	Puerto Ayora 103.67 93 PFAKE	LR		22 34 30.0	+9.0
NATX	Nacogdoches 103.95 60 PFAKE	LR		22 34 30.0	+8.2
MIAR	Mount Ida 105.05 57 PFAKE	LR		22 38 50.0	+7.8
MIAR	comp=Z,2.1um,21.0s				
SCIA	State Center 105.61 50 PFAKE	LR		22 38 50.0	+7.9
SCIA	comp=Z,2.1um,20.0s				
EYMN	Ely 106.78 43 PFAKE	LR		22 39 00.0	+1.6
EYMN	comp=Z,1.1um,21.0s				
JFWS	Jewell Farm 107.80 48 PFAKE	LR		22 39 00.0	+1.4
JFWS	comp=Z,9.31nm,20.0s				
COWI	Conover 108.47 45 PFAKE	LR		22 39 00.0	+1.3
COWI	comp=Z,1.1um,21.0s				
HDIL	Hopedale 108.56 51 PFAKE	LR		22 39 00.0	+1.2
HDIL	comp=Z,2.1um,22.0s				
ARU	Arti 108.63 326 PFAKE	LR		22 39 00.0	+1.3
ARU	comp=Z,5.48nm,21.0s				
BRAL	Brewton 110.42 61 PFAKE	LR		22 39 00.0	+8.6
BRAL	comp=Z,1.1um,19.0s				
JTS	JuntasAbangare 110.79 83 PFAKE	LR		22 39 00.0	+7.4
JTS	comp=Z,6.65nm,19.0s				
KBS	Kingsbay 110.98 355 PFAKE	LR		22 39 00.0	+8.9
KBS	comp=Z,7.34nm,19.0s				
GLMI	Graying 111.74 46 PFAKE	LR		22 39 00.0	+6.5
GLMI	comp=Z,1.1um,20.0s				
ABPO	Ambohpanom 112.32 244 PFAKE	LR		22 39 10.0	+1.4
ABPO	comp=Z,4.03nm,22.0s				
LCO	Las Campanas 112.58 128 PFAKE	LR		22 39 10.0	+1.4
LCO	comp=Z,6.49nm,20.0s				

AAM	Ann Arbor 112.69 49 PFAKE	LR		22 39 10.0	+1.5
AAM	comp=Z,2.1um,20.0s				
ACSO	Alum Creek Sta 113.40 51 PFAKE	LR		22 39 10.0	+1.3
ACSO	comp=Z,1.1um,20.0s				
GOGA	Godfrey 113.44 58 PFAKE	LR		22 39 10.0	+1.3
GOGA	comp=Z,2.1um,20.0s				
NNA	Nana 113.84 108 PFAKE	LR		22 39 10.0	+1.2
NNA	comp=Z,3.45nm,19.0s				
TRQA	Tornquist 113.87 140 PFAKE	LR		22 39 10.0	+1.2
TRQA	comp=Z,8.94nm,20.0s				
LVZ	Lovozero 114.89 342 PFAKE	LR		22 39 10.0	+1.1
LVZ	comp=Z,5.47nm,22.0s				
OTAV	Otavalo 115.44 95 PFAKE	LR		22 39 10.0	+7.9
OTAV	comp=Z,3.46nm,19.0s				
BCIP	Isla Barro Col 115.63 85 PFAKE	LR		22 39 10.0	+8.2
BCIP	comp=Z,5.33nm,20.0s				
BLA	Blacksburg 115.67 54 PFAKE	LR		22 39 10.0	+8.7
BLA	comp=Z,2.1um,19.0s				
TMCR	Tamitsa 115.76 337 ePKIKP	PKIKP		22 38 57.9	-2.6
KEV	Kevo 115.84 345 LR			22 39 10.0	+9.4
KEV	comp=Z,2.1um,21.0s				
NHSC	New Hope 116.20 59 PFAKE	LR		22 39 10.0	+7.6
NHSC	comp=Z,2.1um,19.0s				
ARCES	ARCCESS Array B 116.37 345 PKP	PKIKP		22 39 01.6	-0.1
ARCES	comp=Z,1.7nm,0.7s,baz=72,slow=5.2,SNR=8.5				
KLMR	Klimovskoe 116.76 334 ePKIKP	PKP		22 38 59.3	-3.3
KLMR	comp=Z,8.0nm,1.3s				
KLMR	Klimovskoe 116.76 334 ePKP	PKP		22 38 59.4	-3.2
KLMR	comp=Z,8.0nm,1.3s			22 39 14.1	
LVC	Limon Verde 116.92 122 PFAKE	LR		22 39 20.0	+1.5
LVC	comp=Z,5.23nm,19.0s				
CNCC	Cliffs of the 117.91 56 PFAKE	LR		22 39 20.0	+1.4
CNCC	comp=Z,1.1um,21.0s				
CBN	Corbin Frederi 117.96 53 PFAKE	LR		22 39 20.0	+1.4
CBN	comp=Z,2.1um,20.0s				
MAK	Makhachkala 118.02 313 i PKIKP	PKP		22 39 01.7	-3.9
MAK	comp=Z,2.1um,21.0s			22 45 50.7	
MAK	comp=Z,1.73nm,1.0s			22 50 03.6	+8.3
MAK	comp=Z,7.92nm,16.0s				
BINY	Binghamton 118.34 48 PFAKE	LR		22 39 20.0	+1.4
BINY	comp=Z,1.1um,20.0s				
MTDJ	Mount Denham 118.72 75 PFAKE	LR		22 39 20.0	+1.2
MTDJ	comp=Z,6.17nm,20.0s				
LONY	Lake Ozonia 118.82 45 PFAKE	LR		22 39 20.0	+1.3
LONY	comp=Z,1.1um,20.0s				
SFJD	Kangerlussuaq 119.15 15 PFAKE	LR		22 39 20.0	+1.3
SFJD	comp=Z,2.1um,20.0s				
VRH	Novokhopovskiy 119.57 323 ePKIKP	PKP		22 39 07.2	-1.1
VRH	comp=Z,9.0nm,0.7s				
GNI	Garni 120.62 310 PFAKE	LR		22 39 20.0	+9.0
GNI	comp=Z,5.43nm,20.0s				
LPSR	Galich ya Gora 120.64 325 ePKIKP	PKP		22 39 09.0	-1.3
LPSR	comp=Z,10.0nm,1.2s				
OBN	Obninsk 120.81 329 PFAKE	LR		22 39 20.0	+9.4
OBN	comp=Z,4.56nm,19.0s				
OBN	Obninsk 120.81 329 i PKIKP	PKP		22 39 07.4	-3.1
OBN	comp=Z,6.0nm,1.1s			22 43 17.7	
VSR	Storozhevoye 121.06 324 ePKIKP	PKP		22 39 09.9	-1.3
VSR	comp=Z,6.0nm,1.5s				
GTBY	Guantanamo Bay 121.07 73 PFAKE	LR		22 39 20.0	+7.8
GTBY	comp=Z,5.02nm,20.0s				
KIV	Kislovodsk 121.20 315 PFAKE	LR		22 39 20.0	+8.1
KIV	comp=Z,6.15nm,19.0s				
KIV	Kislovodsk 121.20 315 i PKIKP	PKIKP		22 39 11.6	-0.3
KIV	comp=Z,6.0nm,1.0s				
FINES	FINES Array B 121.80 338 PKP	PKP		22 39 10.9	-1.3
FINES	comp=Z,4.9nm,1.0s,baz=294,slow=2.3,SNR=5.2				
PKME	Peaks-Kenny Pk 122.26 43 PFAKE	LR		22 39 20.0	+6.2
PKME	comp=Z,1.1um,19.0s				
CPUP	Villa Florida 124.06 132 PKP	PKP		22 39 16.7	-1.0
CPUP	comp=Z,4.9nm,1.0s,baz=294,slow=2.3,SNR=6.8				
SDV	Santo Domingo 124.60 87 ePKP	PKP		22 39 17.7	-1.6
SDV	comp=Z,3.94nm,20.0s				
SDDR	Presa de Saban 124.66 75 PFAKE	LR		22 39 30.0	+1.1
SDDR	comp=Z,7.75nm,19.0s				
GRTK	Grand Truck 124.79 72 PFAKE	LR		22 39 30.0	+1.0
GRTK	comp=Z,6.59nm,20.0s				
BOSA	Boshof 125.00 223 PKP	PKIKP		22 39 19.5	-0.5
BOSA	comp=Z,4.9nm,1.0s,baz=207,slow=1.1,SNR=5.4				
SUR	Sutherland 125.23 217 PFAKE	LR		22 39 30.0	+1.0
SUR	comp=Z,1.1um,20.0s				
IDID	Didziasali 125.45 333 eP	PKIKP		22 39 19.1	-0.7
ISAL	Salakas 125.56 333 eP	PKP		22 39 18.9	-0.8
IGN	Ignalina 125.66 333 eP	PKIKP		22 39 19.7	-0.6
NB2	NORSAR Subarrat 126.74 345 PKP	PKP		22 39 20.8	-1.1
NB2	comp=Z,2.5nm,1.0s,baz=43,slow=3.4,SNR=7.6				
NOA	NORSAR Array B 126.74 345 PKP	PKP		22 39 20.9	-0.9
NOA	comp=Z,2.0nm,0.9s,baz=31,slow=2.0,SNR=3.8				
AKAS	Malin Array Be 126.86 327 PKP	PKP		22 39 21.0	-1.3
AKAS	comp=Z,2.2nm,0.8s,baz=61,slow=2.4,SNR=11				
KIEV	Kiev 126.89 327 PFAKE	LR		22 39 30.0	+7.2
KIEV	comp=Z,8.04nm,20.0s				
KMBO	Kilima Mbogo 127.28 260 PKP	PKP		22 39 24.2	-0.4
KMBO	comp=Z,6.12nm,21.0s				
KMBO	Kilima Mbogo 127.28 260 PKP	PKP		22 39 24.2	-0.4
KMBO	comp=Z,6.12nm,21.0s				
BRTR	Keskin Array B 128.94 313 PKP	PKIKP		22 39 24.2	-0.4
BRTR	comp=Z,1.1nm,0.7s,baz=71,slow=4.6,SNR=3.1				
ANTO	Ankara 129.49 313 PFAKE	LR		22 39 40.0	+1.1
ANTO	comp=Z,3.46nm,21.0s				
SJG	San Juan 129.53 76 PFAKE	LR		22 39 40.0	+1.1
SJG	comp=Z,5.13nm,22.0s				
LSZ	Lusaka 130.37 239 ePKP	PKIKP			



6d 22h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other technical details for various stations.

Table with columns: MAK, comp, station name, frequency, mode, and other technical details. Includes stations like Makhachkala, Akhty, Kumukh, etc.

Table with columns: LEHL, TCLR, TCR, CFCR, Carcalui, CFCR, CFB, JMB, Yambol, JMB, Yambol, KIVI, Yaliko-Catal, KIVI, Yaliko-Yolu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H08N2, H08N3, H08N1, DGAR, DGAR, Pallekele, etc.

IDC 06 22:37:03.2-10.0, 11.08S, 164°51'E, h0km, mb3.7/3, mb1 3.8/3, mb1mx3.5/3, mbtmp3.6/3, Error ellipse: s-maj=338.6km s-min=49.9km az=124.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, MKAR.

ISK 06 22:45:20.9, 43°41'N-28°68'E, h0km, ML3.3/26, ISCJB 06 22:45:21.6, 0.5, 43°40'N-01°28'75E, 0.03, h8km, 4km, Error ellipse: s-maj=4.0km s-min=1.9km az=157.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MANR, MANR, MANR, PSN, PSN, PSN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like VOIR, VOIR, KURC, KURC, OZUR, OZUR, etc.

ISCJB 06 22:47:58.0, 36°43'N-29°06'E, h23km, 1km, ML2.4/2, Error ellipse: s-maj=2.7km s-min=0.8km az=185.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KBUK, KBUK, BORA, BORA, BORA, etc.

ISCJB 06 22:47:59.0, 5.36°45'N-0°03'29.04'E, 0.03, h6km, 4km, Error ellipse: s-maj=4.8km s-min=3.8km az=170.8

DDA 06 22:47:58.7, 36°50'N-29°04'E, h15km, 1km, ML3.1, THE 06 22:47:58.9, 36°47'N-29°05'E, h2km, 3km, ML2.4/3, Error ellipse: s-maj=3.2km s-min=1.2km az=76.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FETY, FETY, FETY, FETY, FETY, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KST KasteK, BOOM Boomschoy usch, TKM2 Tokmak 2, etc.

IDC 06 23:20:31.7.2.4, 10.64Sx111.39E, h0km, mb3.7/5, mb1 3.8/6, mb1mx3.6/4.1, mbtmsp3.7/6, ML3.1/1, Error ellipse: s-maj=125.9km s-min=20.7km az=47.0, South of Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, WRA Warrunguna Arr, ASAR Alice Springs, etc.

IDC 06 23:23:49.5.0.6, 10.91Sx165.36E, h0km, mb4.4/23, mb1 4.5/25, mb1mx4.4/45, mbtmsp4.4/25, ML4.8/2, MS4.4/4, Ms1 4.4/4, ms1mx3.5/44, Error ellipse: s-maj=17.5km s-min=14.2km az=107.0

NEIC 06 23:23:51.8.0.3, 10.86Sx165.29E, h10km, mb4.7/14, Error ellipse: s-maj=9.1km s-min=6.5km az=85.0

ISCJB 06 23:23:52.9.0.3, 11.05Sx103.165.27E, 0.06, h30km, mb4.5/42, MS4.4/1, Error ellipse: s-maj=8.0km s-min=4.3km az=165.8

GCMT 06 23:23:52.8.0.4, 10.76Sx102.165.04E, 0.03, h12km, 2km, MV5.0/62, Moment Tensor Solution, s23.c26; s62.c84; Duration: 0 Moment tensor: Scale 1010Nm; Mr-2.16; 2.29; M0=2.84; 20; M00=0.67; 16; M01=0.55; 4.1; M02=1.15; 12; M03=3.48; 93; Best double couple: M4.20500; 1016 NP1; 144.00000; 866.00000; -47.00000; NP2; 0.2550000; 348.00000; -146.00000; Principal axes: T 3.2680, P1g10.0000, Azm205.0000; N 1.8770, P1g38.0000, Azm303.0000; P -5.1430, P1g50.0000; Azm103.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 06 23:23:55.1.0.4, 10.98Sx106.165.28E, 0.07, h30km, n75, 0.1561/73, mb4.5/42, 2D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR Honiara, MARNC Mare, Loyalty, DZM Mont Dzumac, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H11S3 WAKE ISLAND Hy 29.32, STKA Stephens Creek, H11N1 WAKE ISLAND Hy 30.54, etc.

ISC 06 23:26:31.8.0.6, 10.75Sx165.29E, 0.09, h30km, n40, 0.099/33, mb4.2/19, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR Honiara, DZM Mont Dzumac, ONTNC Ouen Toro, etc.

ISCJB 06 23:27:53.7.0.2, 10.57Sx166.07E, 0.06, h10km, mb4.5/45, Error ellipse: s-maj=9.3km s-min=6.3km az=31.8

IDC 06 23:27:53.6.0.8, 10.52Sx166.12E, h0km, mb4.3/15, mb1 4.5/16, mb1mx4.3/41, mbtmsp4.2/16, ML2.7/1, Error ellipse: s-maj=24.4km s-min=18.0km az=124.7/34

NEIC 06 23:27:55.2.0.2, 10.50Sx166.13E, h10km, mb4.6/34, Error ellipse: s-maj=7.1km s-min=4.8km az=124.0

ISC 06 23:27:55.2.0.6, 10.50Sx166.11E, 0.11, h10km, n68, 0.083/60, mb4.6/45, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, ONTNC Ouen Toro, QUENC Ouen Island, N, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like KVNV Kaisersville, WVOR Wild Horse Val, J08A Circle Bar Ran, etc.

IDC 06 23:30:25.0-0.6, 10.80S; 165.08E, h0km, mb4.6/18, mb1 4.7/20, mb1mx4.5/42, mbtmp4.6/20, ML4.5/2, Error ellipse: s-maj=20.8km s-min=15.6km az=119.0
NEIC 06 23:30:27.3-0.1, 10.79S; 165.06E, h10km, mb4.9/59, Error ellipse: s-maj=4.9km s-min=4.3km az=128.0
ISCJB 06 23:30:28.9-0.2, 10.86S; 0164.165E, h31km, mb4.8/79, Error ellipse: s-maj=6.0km s-min=4.9km az=36.2
GCMT 06 23:30:28.3-0.4, 10.83S; 0165.07E, h29km, 1km, MW5.1/62, Moment Tensor Solution, s27.c29; s62.c71; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=6.37; 48; Mw=4.55; 29; Mo=1.81; 28; Me=0.12; 39; Mo=1.15; 18; Mw=0.69; 52; Best double couple: Ms=7.0100x10^16 NP1=295.00000; s46.00000; -83.00000; NP2=105.00000; s45.00000; -97.00000; Principal axes: T 4.9700, P1g1.0000, Azm20.0000; N 1.4530, P2g5.0000, Azm110.0000; P -6.4300, P1g85.0000, Azm283.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like HNR Honiara, MARNC Mare, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like WRKA Warakuma, FITZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like WMQ comp=Z,17nm,1.7s, W13A Hualapai Mount, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like SDV Santo Domingo, AKASA Malin Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like DZM Mont Dzumac, CTA Charters Tower, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HLID Hailey, X16A Lo Mia Camp, TUC Tucson, MTPU Mount Pierson, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, MARNC Mare, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GYA Guiyang, BJT Baijiatua, PBKT Sadao Pong, etc.

ISC 06:23:42:12.3-4.6, 17.455-176.77W, h0km, mb3.7/3, mb1 3.9/3, mb1mx3.6/38, mbmtpp3.7/3, Error ellipse: s-maj=195.4km s-min=40.7km az=142.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, SONM Songoing Array, etc.

ISC 06:23:42:15.5-1.3, 11.14S; 165.15E, h0km, mb3.7/5, mb1 4.0/6, mb1mx3.7/45, mbmtpp3.7/6, ML3.6/1, Error ellipse: s-maj=45.7km s-min=26.0km az=127.0

ISCJB 06:23:42:19.1-1.65, 11.16S; 165.12E, h3km, mb3.6/5, Error ellipse: s-maj=29.0km s-min=19.1km az=7.5

ISC 06:23:42:20.1-1.0, 11.22S; 0.1-165.2E, h3km, n6, o555/6, mb3.7/5, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISC 06:23:42:32.9-0.5, 11.70S; 165.01E, h0km, mb4.8/27, mb1 4.9/30, mb1mx4.8/36, mbmtpp4.8/30, ML4.6/3, MS4.3/5, Ms1 4.3/5, ms1mx3.7/32, Error ellipse: s-maj=15.2km s-min=13.0km az=114.0

ISC 06:23:49:35.3-0.2, 11.72S; 164.87E, h10km, mb5.3/93, Error ellipse: s-maj=5.8km s-min=4.6km az=160.0

GMCT 06:23:49:37.3-0.3, 11.76S; 0.03-164.99E; 0.03, h12km, 1km, MW5.0/76, Moment Tensor Solution. s24,c24: s76,c101; Duration: 0 Moment tensor: Scale 10^18Nm; Mr=4.03e-30; Mw=1.51e-19; Mo=2.52e-22; Mw-1.76e-58; Mo-1.42e-13; Mo-0.37e-57; Best double couple: Mo4.11100e101; NP1=9.3400000e-3, 642.00000e-3, -63.00000e-3; Principal axes: T 3.590, P1g.0000, Azm232.0000, N 1.0260, P1g17.0000, Azm19.0000, P -4.6230, P1g3.0000, Azm340.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular

ISC 06:23:42:12.3-4.6, 17.455-176.77W, h0km, mb3.7/3, mb1 3.9/3, mb1mx3.6/38, mbmtpp3.7/3, Error ellipse: s-maj=195.4km s-min=40.7km az=142.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BNSI Bone, ITSI Tana Toraja, PCI Palu, KKM Kota Kinabalu, etc.

ISC 06:23:42:15.5-1.3, 11.14S; 165.15E, h0km, mb3.7/5, mb1 4.0/6, mb1mx3.7/45, mbmtpp3.7/6, ML3.6/1, Error ellipse: s-maj=45.7km s-min=26.0km az=127.0

ISCJB 06:23:42:19.1-1.65, 11.16S; 165.12E, h3km, mb3.6/5, Error ellipse: s-maj=29.0km s-min=19.1km az=7.5

ISC 06:23:42:20.1-1.0, 11.22S; 0.1-165.2E, h3km, n6, o555/6, mb3.7/5, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MAJO Matsushiro, MAJU Matsushiro, MAT Matsushiro, etc.

ISC 06:23:42:32.9-0.5, 11.70S; 165.01E, h0km, mb4.8/27, mb1 4.9/30, mb1mx4.8/36, mbmtpp4.8/30, ML4.6/3, MS4.3/5, Ms1 4.3/5, ms1mx3.7/32, Error ellipse: s-maj=15.2km s-min=13.0km az=114.0

ISC 06:23:49:35.3-0.2, 11.72S; 164.87E, h10km, mb5.3/93, Error ellipse: s-maj=5.8km s-min=4.6km az=160.0

GMCT 06:23:49:37.3-0.3, 11.76S; 0.03-164.99E; 0.03, h12km, 1km, MW5.0/76, Moment Tensor Solution. s24,c24: s76,c101; Duration: 0 Moment tensor: Scale 10^18Nm; Mr=4.03e-30; Mw=1.51e-19; Mo=2.52e-22; Mw-1.76e-58; Mo-1.42e-13; Mo-0.37e-57; Best double couple: Mo4.11100e101; NP1=9.3400000e-3, 642.00000e-3, -63.00000e-3; Principal axes: T 3.590, P1g.0000, Azm232.0000, N 1.0260, P1g17.0000, Azm19.0000, P -4.6230, P1g3.0000, Azm340.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular

ISC 06:23:42:12.3-4.6, 17.455-176.77W, h0km, mb3.7/3, mb1 3.9/3, mb1mx3.6/38, mbmtpp3.7/3, Error ellipse: s-maj=195.4km s-min=40.7km az=142.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BNSI Bone, ITSI Tana Toraja, PCI Palu, KKM Kota Kinabalu, etc.

ISC 06:23:42:15.5-1.3, 11.14S; 165.15E, h0km, mb3.7/5, mb1 4.0/6, mb1mx3.7/45, mbmtpp3.7/6, ML3.6/1, Error ellipse: s-maj=45.7km s-min=26.0km az=127.0

ISCJB 06:23:42:19.1-1.65, 11.16S; 165.12E, h3km, mb3.6/5, Error ellipse: s-maj=29.0km s-min=19.1km az=7.5

ISC 06:23:42:20.1-1.0, 11.22S; 0.1-165.2E, h3km, n6, o555/6, mb3.7/5, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MAJO Matsushiro, MAJU Matsushiro, MAT Matsushiro, etc.

ISC 06:23:42:32.9-0.5, 11.70S; 165.01E, h0km, mb4.8/27, mb1 4.9/30, mb1mx4.8/36, mbmtpp4.8/30, ML4.6/3, MS4.3/5, Ms1 4.3/5, ms1mx3.7/32, Error ellipse: s-maj=15.2km s-min=13.0km az=114.0

ISC 06:23:49:35.3-0.2, 11.72S; 164.87E, h10km, mb5.3/93, Error ellipse: s-maj=5.8km s-min=4.6km az=160.0

GMCT 06:23:49:37.3-0.3, 11.76S; 0.03-164.99E; 0.03, h12km, 1km, MW5.0/76, Moment Tensor Solution. s24,c24: s76,c101; Duration: 0 Moment tensor: Scale 10^18Nm; Mr=4.03e-30; Mw=1.51e-19; Mo=2.52e-22; Mw-1.76e-58; Mo-1.42e-13; Mo-0.37e-57; Best double couple: Mo4.11100e101; NP1=9.3400000e-3, 642.00000e-3, -63.00000e-3; Principal axes: T 3.590, P1g.0000, Azm232.0000, N 1.0260, P1g17.0000, Azm19.0000, P -4.6230, P1g3.0000, Azm340.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GYA Guiyang, BJT Baijiatua, PBKT Sadao Pong, etc.





from BB mechanism.  
 BUJ 07:00:30:10.9, 11:55S:164.95E, h10km, mB6.4/72, mb5.8/87, Ms5.9/90, Ms7.5/87  
 ISCJB 07:00:30:10.8, 0.1, 11:68S:0.02:164.88E:0.02, h19km, mb5.8/205, Ms5.8/207, Error ellipse: s-maj=3.1km s-min=2.4km az=160.5  
 NEIC 07:00:30:11.0, 0.0, 11:76S:164.86E, h11km Best double couple: NP1.328,00000°,δ62.00000°,λ-88.00000°. NP2.3144,00000°,δ28.00000°,λ-93.00000°. Principal axes: T 1.0800, Plg17.0000°, Azm56.0000°; N 0.0000, Plg1.0000°, Azm146.0000°; P -1.0700, Plg12.0000°, Azm242.0000°  
 GCMT 07:00:30:12.8, 0.1, 11:87S:0.01:165.05E:0.01, h12km, MW6.0/148, Moment Tensor Solution. s134,c263; s148,c416; Duration: 265 Moment tensor: Scale 10<sup>18</sup> Nm; M<sub>1</sub>-1.26±.01; M<sub>2</sub>0.44±.01; M<sub>3</sub>0.01±.03; Best double couple: M<sub>1</sub>3.14100x10<sup>18</sup> NP1.328,00000°,δ52.00000°,λ-107.00000°. NP2.337,00000°,δ41.00000°,λ-69.00000°. Principal axes: T 1.3150, Plg6.0000°, Azm232.0000°; N 0.0560, Plg14.0000°, Azm141.0000°; P -1.3660, Plg75.0000°, Azm345.0000°; nst1 refers to body waves, cutoff=40s. nst2 refers to surface/mantle waves, cutoff=60s. Triangular moment-rate function  
 MOS 07:00:13.7, 1.1, 11:51S:164.79E, h33km, mb6.1/65, MS5.7/33 Error ellipse: s-maj=6.8km s-min=5.6km az=105.3  
 ISC 07:00:12.8, 0.6, 11.76S:0.04:165.03E:0.04, h25km, 3km, n1207, g1540/1230, mb5.9/209, MS5.8/209, 62C-61D, Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
WRA	comp=Z,30um,22.0s,baz=75,slow=34			LR	00 47 18.9	
SNZO	South Karori comp=Z,175nm,1.4s			P	00 36 27.2 +2.2	
SNZO	comp=Z,14um,19.0s			LR		
THZE	Tophouse 30.68 168 eP			P	00 36 27.2 +1.7	
WAKE	Wake Island 30.89 3 PFAKE			LR	00 36 40.0 +1.3	
WAKE	comp=Z,12um,22.0s			LR		
TOO	Tooolangi 31.11 211 P			P	00 36 30.6 +1.3	
H11N1	WAKE ISLAND Hy 31.32 3 T			T	01 09 20.2	
H11N3	WAKE ISLAND Hy 31.33 3 T			T	01 09 20.8	
H11N2	WAKE ISLAND Hy 31.34 3 T			T	01 09 20.2	
KHZ	Kahutara 31.43 168 eP			P	00 36 34.0 +2.0	
LTZ	Lake Taylor 31.55 170 eP			P	00 36 34.7 +1.6	
AS01	Alice Springs 31.81 244 eP			P	00 36 33.6 -2.1	
KDU	Kakadu 31.82 265 P			P	00 36 35.0 -0.8	
AS31	Alice Springs 31.85 244 eP			P	00 36 35.0 -1.1	
ASAR	comp=Z,35nm,1.1s,baz=78,slow=3.0,SNR=14			PcP	00 39 27.4 +0.6	
ASAR	comp=Z,1.7nm,1.0s,baz=146,slow=1.2,SNR=5.4			PKiKP	00 46 54.6 -0.9	
ASAR	comp=Z,37um,20.8s,baz=79,slow=34			LR	00 48 23.9	
FOZ	Fox Glacier 31.93 173 eP			P	00 36 38.4 +2.0	
OXZ	Oxford 32.03 170 eP			P	00 36 38.1 +0.7	
GUMO	Guam 32.16 321 LR			LR	00 49 22.1	
HTT	Hallett 32.18 224 P			P	00 36 39.0 +0.1	
RPZ	Rata Peaks 32.27 172 eP			P	00 36 40.8 +1.4	
RPZ	Rata Peaks 32.27 172 P			P	00 36 40.4 +0.1	
CRLZ	Canterbury Las 32.38 170 eP			P	00 36 42.0 +1.7	
ARPS	Mount Arapiles 32.49 216 P			P	00 36 42.9 +1.5	
MOZ	McQueen's Vall 32.51 170 eP			P	00 36 41.7 +0.2	
LBZ	Lake Benmore 32.81 173 eP			P	00 36 45.4 +1.2	
WKZ	Wanaka 33.13 175 eP			P	00 36 48.2 +1.2	
SAUI	Saumaki 33.43 273 eP			P	00 36 50.2 +0.3	
ODZ	Otahua Downs 33.52 173 eP			P	00 36 54.2 +3.9	
MLZ	Mavora Lakes 33.60 176 eP			P	00 36 53.4 +2.4	
DCZ	Deep Cove 33.64 177 eP			P	00 36 52.2 +0.8	
FAKI	Fak Fak 33.64 283 eP			P	00 36 52.3 +0.5	
BBOO	Buckleboe 33.83 227 P			P	00 36 53.0 -0.2	
SARN	Sarigan 34.09 326 eP			P	00 36 54.5 -1.0	
WHZ	Weather Hill Rd 34.11 176 eP			P	00 36 57.4 +2.0	
MOO	Moorlands 34.13 204 P			P	00 36 59.0 +1.9	
TAU	Tasmania Univ 34.64 203 eP			LR	00 37 00.8 +0.7	
TAU	Tasmania Univ 34.64 203 eP			MLR	00 37 00.8 +0.7	
TAU	comp=Z,10um,19.0s			MLR		
RAU	Rarotonga 34.96 110 LR			LR	00 48 24.0	
KNRA	Kunururua 35.42 259 P			P	00 37 07.0 -0.2	
BNDI	Bandanaira 35.48 279 P			P	00 37 06.6 -1.1	
BNDI	35.48 279 pP			pP	00 37 46.5 +2.7	
PALU	Palau 35.83 301 P			P	00 37 10.9 +0.2	
WRKA	Warakuma 37.14 244 P			P	00 37 21.0 -0.9	
JOHN	Johnston Island 37.42 42 PFAKE			LR	00 37 40.0 +1.2	
NLAI	Naiasa 38.50 280 P			P	00 37 32.3 -1.1	
FITZ	Fitzroy Crossi 38.52 256 P			P	00 37 33.2 -0.4	
FITZ	Fitzroy Crossi 38.52 256 P			P	00 37 32.6 -0.9	
FITZ	comp=Z,99nm,1.1s,baz=88,slow=9.7,SNR=65			LR	00 52 39.9	
FITZ	comp=Z,33um,19.9s,baz=86,slow=35			LR	00 52 39.9	
FORZ	Forrest 39.06 235 P			P	00 37 38.0 +0.1	
SANI	Sanana 39.89 281 P			P	00 37 44.1 -0.9	
SANI	comp=Z,215nm,1.4s,comp=Z,12um			pP	00 38 26.2 +2.9	
SOEI	Soe 40.07 269 eP			P	00 37 47.1 +0.4	
SOEI	comp=Z,307nm,1.3s			P	00 37 45.6 -1.1	
BATI	Baumata 40.61 268 P			P	00 37 50.5 -0.6	
BATI	Baumata 40.61 268 LR			LR	00 54 28.8	
MMRI	Maumere 42.20 270 eP			P	00 38 00.9 -3.2	
MMRI	comp=Z,434nm,1.2s			P	00 38 03.1 -1.0	
MMRI	Maumere 42.20 270 P			P	00 38 03.1 -1.0	
BBSI	Bau Bau 42.40 275 P			P	00 38 04.8 -0.9	
EDFI	Ediflores 42.72 270 P			P	00 38 06.8 -1.6	
EDFI	comp=Z,141nm,2.7s,comp=Z,8um			pP	00 38 50.4 +3.0	
MIDW	Midway 43.23 23 PFAKE			LR	00 38 20.0 +7.9	
DAV	Davao City (W) 43.47 294 eP			LR	00 38 14.4 +0.1	
DAV	comp=Z,5um,20.0s			LR		
DAV	Davao City (W) 43.47 294 P			P	00 38 12.0 -2.3	
BASI	Baing, Sumba 43.63 267 P			P	00 38 15.0 -0.7	
KCP	Kidapawan 43.85 280 eP			P	00 38 16.1 -1.6	
SKMP	Sagupayan, Su 44.17 292 eP			P	00 38 17.7 -2.3	
PPT	Papeete 44.14 103 P			P	00 38 20.3 0.0	
PPT	comp=Z,50nm,1.0s,baz=246,slow=20,SNR=2.4			LR	00 52 13.1	
PPT2	Papeete2 44.21 103 eS			P	00 44 56.7 +4.0	
PPT2	comp=Z,5um,27.5s			eLQ	00 48 50.7	
PPT2	comp=Z,29um,26.2s			eLR	00 50 42.4	
MWBA	Marble Bar 44.31 252 eP			P	00 38 21.2 +0.2	
MWBA	comp=Z,432nm,1.1s			LR		
MWBA	comp=Z,17um,19.0s			LR		
CJJC	Chichijima 44.53 330 P			P	00 38 21.2 -1.4	
CBIJ	Chichijima 44.54 330 P			P	00 38 21.2 -1.4	
TBI	Tubua 44.72 111 eS			LQ	00 45 01.9 +2.1	
TBI	comp=Z,4um,29.2s			eLQ	00 49 02.2	
TBI	comp=Z,17um,28.5s			eLR	00 50 57.3	
BKSI	Bulukumba 44.82 274 P			P	00 38 24.2 -1.0	
BKSI	comp=Z,46nm,1.1s,comp=Z,4um			P	00 38 26.3 -0.5	
BNSI	Bone 45.02 276 P			P	00 38 26.3 -0.5	
KAPI	Kappang 45.25 275 PFAKE			LR	00 38 40.0 +1.1	
KAPI	comp=Z,3um,21.0s			LR		
SPSI	Sidrap Palu 45.45 276 P			P	00 38 28.4 -1.8	
MSLP	Maasin 45.46 297 eP			P	00 38 29.3 -0.9	

TTSI	Tana Toraja 45.60 277 P			P	00 38 31.0 -0.4	
PAGZ	Pagadian 45.77 293 eP			P	00 38 31.9 -0.8	
PLP	Palo 45.84 298 eP			P	00 38 31.4 -1.8	
MLEK	Meekeatharra 46.01 244 P			P	00 38 34.6 +0.1	
DCPH	Dipolog City 46.11 294 eP			P	00 38 37.7 +2.5	
PCI	Palu 46.12 280 P			P	00 38 35.9 +0.4	
PLAI	Plampang 46.55 269 P			P	00 38 37.7 -1.1	
GUMJ	Jordan 47.67 286 eP			P	00 38 46.0 -1.6	
PVPC	Virac 47.73 301 eP			P	00 38 46.8 -1.1	
KLBR	Kellerberrin 47.74 238 P			P	00 38 47.9 -0.1	
RCP	Roxas 47.96 297 eP			P	00 38 49.9 +0.1	
Ballidu	48.40 239 P			P	00 38 53.6 +0.6	
NWAO	Narrogin (SRO) 48.49 236 P			P	00 38 53.9 +0.2	
NWAO	Narrogin (SRO) 48.49 236 eP			P	00 38 53.5 -0.2	
NWAO	Narrogin (SRO) 48.49 236 eP			P	00 40 47.7 +1.1	
NWAO	Narrogin (SRO) 48.49 236 eP			P	00 38 53.5 -0.2	
NWAO	Narrogin (SRO) 48.49 236 LR			LR	00 59 32.8	
MORW	Morawa 48.67 242 P			P	00 38 55.3 +0.1	
SMKI	Samarinda 48.77 280 P			P	00 38 57.2 +1.1	
BKB	Baikpapan 48.87 279 P			P	00 38 56.2 -0.6	
OTRP	Ontogan 48.96 298 P			P	00 38 55.9 +1.5	
KIP	Kipang 49.03 48 eP			P	00 38 57.9 -0.1	
KIP	comp=Z,819nm,1.1s			LR		
KIP	Kipang 49.03 48 eP			P	00 38 57.9 -0.1	
KIP	comp=Z,24um,21.0s			MLR		
KIP	comp=Z,819nm,1.1s			MLR		
KBKI	Kotabaru 49.10 276 P			P	00 38 58.1 -0.5	
MUN	Mundaring 49.11 238 P			P	00 38 58.9 +0.5	
RKGY	Rocky Gully 49.13 234 P			P	00 38 59.8 +1.3	
SRBI	Singaraja 49.16 269 P			P	00 38 58.3 -0.6	
GIRL	Girgila 49.51 259 P			P	00 39 00.8 -1.0	
KHU	Kahuku 49.53 52 eP			P	00 39 03.4 +1.3	
KHU	Kahuku 49.53 52 eP			P	00 39 03.4 +1.3	
KHU	comp=Z,261nm,1.1s			P	00 39 04.4 +1.0	
AIN	Ainahu 49.72 52 eP			P	00 39 05.3 +0.8	
HMH	Humu'ula Sheep 49.83 52 eP			P	00 39 05.3 +0.8	
KKO	Keankakao i 49.88 52 eP			P	00 39 04.8 +0.2	
POHA	Pohakuloa 49.88 51 eP			P	00 39 04.5 -0.2	
POHA	comp=Z,370nm,0.7s			LR		
JAGI	Jajag Banyuw 50.14 269 eP			P	00 39 05.0 -1.7	
JAGI	Jajag Banyuw 50.14 269 P			P	00 39 05.4 -1.2	
KMMI	Kaliang 50.54 271 P			P	00 39 09.1 -0.4	
TGY	Tagaytay City 50.70 299 P			P	00 39 10.2 -0.6	
TGY	comp=Z,122nm,0.3s,baz=228,slow=1.9,SNR=12			LR	00 59 42.2	
ENPP	Enpar 50.72 265 eP			P	00 39 10.5 -0.4	
BATP	Bataraza 51.21 291 eP			P	00 39 13.5 -1.0	
SMPP	San Manuel, Pa 51.90 301 eP			P	00 39 18.7 -1.0	
JOW	Kunigami 52.40 318 eP			P	00 39 22.4 +1.0	
JOW	comp=Z,125nm,1.2s			P	00 39 22.5 -0.7	
BOLP	Bolinao 52.66 301 P			P	00 39 15.8 -1.0	
PCJJI	Pacitan 53.09 269 P			P	00 39 28.1 -0.6	
WOJI	Wonogiri, Jawa 53.40 269 P			P	00 39 30.4 +0.5	
UGM	Wanagama 53.78 269 eP			P	00 39 34.0 +0.2	
UGM	comp=Z,915nm,1.9s			P	00 39 33.2 -0.6	
INU	Inuyama 53.83 332 eP			P	00 39 34.0 +0.3	
TAOE	Taou 53.95 92 eS			S	00 47 09.5 -0.2	
TAOE	comp=Z,4um,27.6s			eLR	00 55 03.9	
SMRI	Semarang 53.99 270 eP			P	00 39 36.7 +1.4	
SMRI	comp=Z,1.1s			P	00 39 34.6 -0.7	
SMRI	Semarang 53.99 270 P			P	00 39 34.6 -0.7	
MJAR	Matsushiro Arr 54.28 333 P			P	00 39 36.1 -0.9	
MJAR	comp=Z,123nm,1.2s			P	00 39 36.1 -0.9	
MJAR	Matsushiro Arr 54.28 333 P			P	00 39 36.1 -0.9	
MJAR	comp=Z,121nm,1.2s,baz=155,slow=6.8,SNR=82			LR	01 01 39.4	
MAJO	Matsushiro 54.28 333 eP			P	00 39 36.0 -1.0	
MAJO	comp=Z,528nm,1.5s			LR		
MAJO	Matsushiro 54.28 333 d/P			P	00 39 35.5 -1.5	
MAJO	comp=Z,416nm,1.6s			P	00 39 35.7 -1.3	
MAT	Matsushiro 54.28 333 S			S	00 47 12.8 -0.5	
MJB9	Matsu-Tunnel 54.29 333 eP			P	00 39 36.7 -0.3	
TWG	Pinlang 55.09 309 eP			P	00 39 44.6 +1.5	
YULB	Yuli 55.24 309 eP			P	00 39 42.9 -1.3	
JNU	Nakatsue 55.25 325 eP			P	00 39 44.2 +0.2	
JNU	Nakatsue 55.25 325 P			P	00 39 43.5 -0.6	
NACB	Ninganchiao 55					

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Table with columns for flight codes (KUR, KUR, KUR, etc.), destinations (Kurul'sk, Pangkal Pinang, etc.), times, and status indicators (P, S, etc.).

Table with columns for flight codes (MDJ, MDJ, MDJ, etc.), destinations (Muadaniang, Petropavlovsk, etc.), times, and status indicators (P, S, etc.).

Table with columns for flight codes (GYA, GYA, GYA, etc.), destinations (Nikolski High, Baijiatuu, etc.), times, and status indicators (P, S, etc.).

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ZEA, CHGN, LZH, SEY, PBA, KDAK, QSPA, ULN, YAK, SONM, and others.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LSA, TLY, GDXM, WRH, KHHM, SAO, HDA, COLA, COLA, SIT, O02D, RIDG, ILAR, ILAR, ILB, LOZE, POKR, SNCO, J01E, K02D, WDC, WDC, N02D, SC2Z, M02C, PAGB, SBC, SBC, SMMK, PKMC, SCRK, YBH, GOK, BOK, ORV, ORV, HUMO, O03E, BLG, I03D, RAMM, AFDM, SC12, BESE, WRAK, WRAK, CMB, CMB, CMB, PRP, L04D, CIS, SKAG, M04C, OSI, OSI, VOG, BBB, RVC, YES, JIRN, G03D, DECC, I04A, J04D, RUBR, PASC, H04D, K04D, BEKR, PALK, PALK, PALK, PALK, MWC, MWC, GUN, ISA.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like ISA, NLWA, MDPB, WAKR, EDW2, F04D, OMMB, PNTR, H04A, VCNR, BFSC, EGAK, EGAK, 109C, CPE, TOLK, TOLK, PKI, MLAC, PKIN, J05D, DAWY, MURC, YERR, CWC, PAHR, LRMC, BAR, DMN, MOD, TIXI, TIXI, TIXI, TIXI, TIN, E04D, D03D, I05D, PINE, BBRC, PGC, MONP2, RYN, DAC, DAC, MPMC, RRR, NV01, NVAR, G05D, PFO, PFO, PFO, PFO, XPFO, IKP, NV11, F05D, LON, LON, GSC, GSC, GSC, D05A, GRAC, KVN, KVN, DLBC, A04D, SWSC, HEC, BELC, FURC, B05A, MDRS, SHOC, BC3, I07A, K0LN, DANN, WVOR, WVOR, WVOR, WVOR, WVOR, TUQ, GMRC, B06A, LTPY, TPNV, TPNV, F07A, C06D.



GLA	Glamis	88.23	56	eP	P	00 43 03.0 +0.7	comp=Z,171nm,1.3s	MKAR	Makanchi Array	93.56	317	P	P	00 43 26.5 -0.3	comp=Z,581nm,1.5s	MLR	MLR
GLA	Glamis	88.23	56	eP	P	00 43 03.0 +0.7	comp=Z,60nm,1.0s,baz=101,slow=5.6,SNR=206	MKAR	Makanchi Array	93.56	317	P	P	01 00 31.9 -1.3	comp=Z,1µm,19.0s	TDK	Taldyqorghan
GLA	Glamis	88.23	56	eP	P	00 43 03.0 +0.7	comp=Z,4.6nm,1.0s,baz=298,slow=2.6,SNR=17	MKAR	Makanchi Array	93.56	317	P	P	01 00 48.2	comp=Z,581nm,1.5s	TDK	Taldyqorghan
IRM	baz=255,SNR=21 Iron Mountain	88.26	55	P	P	00 43 02.9 +0.5	comp=Z,1.3nm,0.9s,baz=276,slow=2.2,SNR=6.3	MKAR	Makanchi Array	93.59	278	eP	P	00 43 24.7 -2.9	comp=Z,2.1µm,19.3s	YKA	Yellowknife Ar
J08A	Circle Bar Ran	88.38	45	eP	P	00 43 02.8 0.0	comp=Z,2.6nm,0.9s,baz=255,slow=4.6,SNR=194	QLMT	Earthquake Lak	93.66	45	eP	P	00 43 29.1 +1.5	comp=Z,0.3nm,0.8s,baz=64,slow=2.7,SNR=4.0	YKA	Yellowknife Ar
LDFC	Landfair	88.53	54	eP	P	00 43 05.3 +1.5	comp=Z,120nm,1.2s	QLMT	Earthquake Lak	93.69	44	eP	P	00 43 28.1 +0.6	comp=Z,709nm,19.8s,baz=257,slow=32	YKA	Yellowknife Ar
PYUN	Piuthan	88.57	299	eP	P	00 43 03.1 -1.1	comp=Z,9µm,20.0s	BOZ	Bozeman (W)	93.69	44	eP	P	00 43 28.1 +0.6	comp=Z,101nm,1.6s	MDOK	Medeo
HAWA	Hanford	88.61	42	eP	P	00 43 04.5 +0.8	comp=Z,2.9µm,20.0s	BOZ	Bozeman (W)	93.69	44	eP	P	00 43 28.2 +0.6	comp=Z,572nm,22.0s	MDOK	Medeo
HAWA	comp=Z,67nm,0.9s				LR		comp=Z,120nm,1.2s	BOZ	Bozeman (W)	93.69	44	eP	P	00 43 28.2 +0.6	comp=Z,101nm,1.6s	MDOK	Medeo
HAWA	comp=Z,7µm,22.0s				LR		comp=Z,9µm,20.0s	BOZ	Bozeman (W)	93.69	44	eP	P	00 43 28.2 +0.6	comp=Z,572nm,22.0s	MDOK	Medeo
Y12C	Glythe	88.66	55	P	P	00 43 04.8 +0.6	comp=Z,257,SNR=116	ZALV	Zalesov Beam	93.72	324	P	P	00 43 26.5 -0.8	comp=Z,101nm,1.6s	MDOK	Medeo
NEE2	Needles Airpor	88.84	54	P	P	00 43 05.5 +0.5	comp=Z,53nm,1.1s,baz=108,slow=4.8,SNR=135	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,572nm,22.0s	MDOK	Medeo
SHPR	Sheep Range	88.87	52	eP	P	00 43 06.6 +1.2	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
E08A	Dider Farm, E1	88.95	42	eP	P	00 43 06.1 +0.9	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
SRIG	Santa Rosalia	88.98	62	eP	P	00 43 06.5 +0.7	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
R11A	Troy Canyon, C	89.04	51	P	P	00 43 06.6 +0.4	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
WMQ	Urumqi	89.10	315	P	P	00 43 06.1 -0.1	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
WMQ	comp=Z,220nm,1.5s				P	00 43 06.1 -0.1	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
WMQ	comp=Z,2µm,18.3s				P	00 43 06.1 -0.1	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
WMQ	comp=Z,4µm,20.1s				LR	LR	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
WMQ	comp=Z,4µm,25.1s				LR	LR	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
WMQ	Urumqi	89.10	315	eP	P	00 43 06.3 +0.2	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
WMQ	comp=Z,203nm,1.4s				P	00 43 06.3 +0.2	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
WMQ	Urumqi	89.10	315	eP	P	00 43 06.4 +0.2	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
WMQ	comp=Z,203nm,1.4s				P	00 43 06.4 +0.2	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
PDMC1	Parker Dam, Lak	89.10	55	P	P	00 43 06.8 +0.5	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
D08A	Wollman Farm,	89.22	42	eP	P	00 43 07.5 +1.0	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
B08A	Colville Reser	89.36	40	eP	P	00 43 07.6 +0.4	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
E09A	Wood Farm, Sta	89.56	42	eP	P	00 43 09.0 +0.8	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
214A	Organ Pipe Nat	89.60	57	P	P	00 43 09.8 +1.0	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
BMO	Blue Mountains	89.63	44	eP	P	00 43 09.0 +0.4	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
BMO	Blue Mountains	89.63	44	eP	P	00 43 09.0 +0.4	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
BMO	Blue Mountains	89.63	44	eP	P	00 43 09.0 +0.4	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
TRD	Trivandrum	89.84	279	eP	P	00 43 09.1 -1.1	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
C09A	Chrisman Ranch	89.86	41	eP	P	00 43 10.2 +0.7	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
ELK	Elko	89.94	48	eP	P	00 43 11.2 +0.8	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
F10A	Beach Ranch, E	90.00	43	eP	P	00 43 10.7 +0.3	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
JBP	Jabalpur	90.08	2941	eP	P	00 43 11.0 0.0	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
JBP	Hyderabad	90.16	288	eP	P	00 43 12.0 +0.4	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
HYB	Hyderabad	90.16	288	eP	P	00 43 12.0 +0.4	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
HYB	Hyderabad	90.16	288	eP	P	00 43 12.0 +0.4	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
HYB	Hyderabad	90.16	288	eP	P	00 43 12.0 +0.4	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
HYB	Hyderabad	90.16	288	eP	P	00 43 12.0 +0.4	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
HYB	Hyderabad	90.16	288	eP	P	00 43 12.0 +0.4	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
MFID	comp=Z,553nm,2.6s				P	00 43 12.4 +0.9	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
PSUT	Camas Ranch	90.24	46	eP	P	00 43 12.4 +0.9	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
HSIG	Pine Spring	90.40	51	eP	P	00 43 13.2 +0.7	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
NGP	Nagpur	90.48	61	eP	P	00 43 14.1 +1.2	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
NGP	Nagpur	90.49	291	eP	P	00 43 12.3 -0.7	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
NGP	Nagpur	90.49	291	eP	P	00 43 12.3 -0.7	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
NGP	Nagpur	90.49	291	eP	P	00 43 12.3 -0.7	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
CCUT	Cedar City	90.53	52	eP	P	00 43 14.3 +1.1	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
NEW	Newport	90.74	41	eP	P	00 43 13.8 +0.1	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
NEW	Newport	90.74	41	eP	P	00 43 13.8 +0.1	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
NEW	Newport	90.74	41	eP	P	00 43 13.8 +0.1	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
NEW	Newport	90.74	41	eP	P	00 43 13.8 +0.1	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
NEW	Newport	90.74	41	eP	P	00 43 13.8 +0.1	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
SZCU	Shurtz Canyon	90.75	52	eP	P	00 43 15.4 +1.1	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
INK	Inuvik	90.80	19	eP	P	00 43 12.7 -0.7	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
INK	Inuvik	90.80	19	eP	P	00 43 12.7 -0.7	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
INK	Inuvik	90.80	19	eP	P	00 43 12.7 -0.7	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
INK	Inuvik	90.80	19	eP	P	00 43 12.7 -0.7	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
INK	Inuvik	90.80	19	eP	P	00 43 12.7 -0.7	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
INK	Inuvik	90.80	19	eP	P	00 43 12.7 -0.7	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
INK	Inuvik	90.80	19	eP	P	00 43 12.7 -0.7	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
INK	Inuvik	90.80	19	eP	P	00 43 12.7 -0.7	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
INK	Inuvik	90.80	19	eP	P	00 43 12.7 -0.7	comp=Z,93.77 317	MAKZ	Makanchi	93.77	317	P	P	00 43 27.3 -0.4	comp=Z,101nm,1.6s	MDOK	Medeo
INK	Inuvik	90.80	19	eP	P	00 43 12.7 -											

BTL5	Baital	98.90	314	i/P	P	00 43 49.1	-1.9
BTL5	comp-Z,164nm,1.6s			ePP	PP	00 47 48.8	-4.2
BTL5	comp-Z,310nm,18.7s			eLR	LR	01 29 04.9	
KSCO	Kaye Sheddok	99.10	52	Pdfff	LR	00 43 52.2	0.0
DGMT	Dagmar	99.20	42	PFAKE	LR	00 44 00.0	+7.7
DGMT	comp-Z,6um,21.0s			LR	LR		
DGMT	Dagmar	99.20	42	Pdfff	Pdfff	00 43 52.9	+0.5
AMTX	Amarillo	99.29	56	Pdfff	Pdfff	00 43 53.2	+0.1
AMTX	baz=262						
BHJ	Bhuj	99.43	292	eP	Pdfff	00 43 52.7	-1.2
OGNE	Ogallala	99.80	50	PFAKE	LR	00 44 10.0	+1.5
OGNE	comp-Z,12um,21.0s			LR	LR		
OGNE	Ogallala	99.80	50	Pdfff	Pdfff	00 43 55.5	+0.3
JCT	Junction City	100.27	61	Pdfff	Pdfff	00 43 58.0	+0.4
JCT	comp-Z,5.2nm,0.3s			LR	LR		
JCT	Junction City	100.27	61	P	Pdfff	00 43 58.0	+0.4
JCT	comp-Z,5.0nm,0.3s			MLR	MLR		
JCT	Junction City	100.27	61	Pdfff	Pdfff	00 43 57.4	-0.2
JCT	comp-Z,15um,20.0s			MLR	MLR		
833A	Chaparral WMA	100.34	63	Pdfff	Pdfff	00 43 57.8	0.0
833A	baz=262						
833A	Ablene, Hawle	100.68	59	Pdfff	Pdfff	00 43 59.4	+0.1
833A	baz=263						
KK31	Karatay Array	101.21	312	P	Pdfff	00 44 00.4	-1.0
KK31	comp-Z,12nm,1.1s			MLR	MLR		
FFC	Flin Flon	101.22	36	ePdff	Pdfff	00 44 00.9	-0.1
FFC	comp-Z,42nm,1.2s			LR	LR		
FFC	Flin Flon	101.22	36	i/P	Pdfff	00 44 01.1	0.0
CBKS	Cedar Bluff	101.31	53	PFAKE	LR	00 44 10.0	+8.0
CBKS	comp-Z,7um,20.0s			LR	LR		
CBKS	Cedar Bluff	101.31	53	Pdfff	Pdfff	00 44 03.1	+1.1
IUG	Iuzhny	101.47	311	i/P	Pdfff	00 44 01.2	-1.5
IUG	comp-Z,116nm,1.8s			MLR	MLR		
IUG	Iuzhny	101.47	311	i/P	Pdfff	00 44 01.2	-1.5
IUG	comp-Z,360nm,18.0s			MLR	MLR		
IUG	Iuzhny	101.47	311	i/P	Pdfff	00 44 01.2	-1.5
IUG	comp-Z,116nm,1.8s			MLR	MLR		
KVXT	Kingsville	101.55	64	PFAKE	LR	00 44 20.0	+1.7
KVXT	comp-Z,3um,20.0s			LR	LR		
WMOK	Wichita Mounta	101.64	57	PFAKE	LR	00 44 20.0	+1.6
WMOK	comp-Z,12um,22.0s			LR	LR		
WMOK	Wichita Mounta	101.64	57	Pdfff	Pdfff	00 44 04.0	+0.5
BRVK	Borovoye	102.14	322	ePdff	Pdfff	00 44 04.2	-1.0
BRVK	comp-Z,48nm,1.3s			LR	LR		
BRVK	Borovoye	102.14	322	ePdff	Pdfff	00 44 04.2	-1.0
BRVK	comp-Z,1um,20.0s			MLR	MLR		
BRVK	Borovoye	102.14	322	P	Pdfff	00 44 04.5	-0.8
BRVK	comp-Z,48nm,1.3s			MLR	MLR		
BRVK	Borovoye	102.14	322	P	Pdfff	00 44 04.5	-0.8
BRVK	comp-Z,1um,20.0s			MLR	MLR		
MDND	Maddock	102.20	43	Pdfff	Pdfff	00 44 06.6	+0.9
MDND	baz=262						
KSU1	Kansas State U	103.77	52	PFAKE	LR	00 44 30.0	+1.7
KSU1	comp-Z,10um,20.0s			LR	LR		
ECSO	EROS Data Cent	104.04	48	PFAKE	LR	00 44 30.0	+1.6
ECSO	comp-Z,5um,20.0s			LR	LR		
PAYG	Puerto Ayora	104.23	94	PFAKE	LR	00 44 30.0	+1.5
PAYG	comp-Z,2um,22.0s			LR	LR		
ULM	Lac du Bonnet	104.75	41	Pdfff	Pdfff	00 44 14.9	-2.0
ULM	comp-Z,3.5nm,0.8s,baz=294,slow=6.0,SNR=7.9			PKPKP	PKPKP	00 48 30.7	-1.6
NATX	Nacogdoches	104.79	60	PFAKE	LR	00 44 30.0	+1.2
NATX	comp-Z,12um,21.0s			LR	LR		
FCC	Fort Churchill	105.61	32	ePdff	Pdfff	00 44 19.8	-0.7
FCC	comp-Z,32nm,1.4s			MLR	MLR		
FCC	Fort Churchill	105.61	32	eP	Pdfff	00 44 19.8	-0.7
FCC	comp-Z,32nm,1.4s			MLR	MLR		
W39A	Magazine	105.77	57	Pdfff	Pdfff	00 44 22.2	+0.4
W39A	baz=267						
MIAR	Mount Ida	105.90	57	PFAKE	LR	00 48 50.0	+1.5
MIAR	comp-Z,14um,21.0s			LR	LR		
MIAR	Mount Ida	105.90	57	Pdfff	Pdfff	00 44 22.6	+0.2
MIAR	baz=267						
SCIA	State Center	106.48	50	PFAKE	LR	00 48 50.0	+1.4
SCIA	comp-Z,13um,20.0s			LR	LR		
U40A	Yellville	106.58	55	Pdfff	Pdfff	00 44 26.1	+0.6
U40A	baz=268						
EFI	East Falkland	106.67	154	PFAKE	LR	00 48 50.0	+1.4
EFI	comp-Z,1um,20.0s			LR	LR		
V41A	Mountview	107.12	56	Pdfff	Pdfff	00 44 28.8	+0.9
V41A	baz=268						
U41A	Viola	107.34	55	Pdfff	Pdfff	00 44 29.7	+1.0
U41A	baz=268						
F38A	Pierce - Schro	107.44	45	Pdfff	Pdfff	00 44 30.7	+1.7
F38A	baz=271						
11A1	Mountain View	107.48	55	Pdfff	Pdfff	00 44 30.3	+0.9
11A1	baz=268						
S41A	Jilico Farms,	107.51	54	Pdfff	Pdfff	00 44 30.4	+0.9
S41A	baz=269						
EYMN	Ely	107.65	43	PFAKE	LR	00 48 50.0	+1.2
EYMN	comp-Z,9um,20.0s			LR	LR		
Q41A	Truxton	107.94	53	Pdfff	Pdfff	00 44 32.4	+1.1
Q41A	baz=269						
P41A	Barry, Barry	108.08	52	Pdfff	Pdfff	00 44 32.7	+0.7
P41A	baz=270						
AB31	Loretta	108.11	45	Pdfff	Pdfff	00 44 33.1	+1.1
AB31	baz=272						
F39A	Akbulak array	108.66	318	i/P	Pdfff	00 44 32.7	-1.6
F39A	comp-Z,3.0nm,1.1s			MLR	MLR		
JFWS	Jewell Farm	108.67	49	PFAKE	LR	00 48 50.0	+1.0
JFWS	comp-Z,4um,19.0s			LR	LR		
ARU	Arti	108.82	326	PFAKE	LR	00 48 50.0	+1.0
ARU	comp-Z,1um,20.0s			LR	LR		
COWI	Conover	109.35	45	PFAKE	LR	00 48 50.0	+9.0
COWI	comp-Z,10um,22.0s			LR	LR		
HDIL	Hopedale	109.43	51	PFAKE	LR	00 48 50.0	+8.7
HDIL	comp-Z,13um,22.0s			LR	LR		
GEYT	Alibeck	110.44	306	PKPKP	PKPKP	00 48 44.1	+0.7
GEYT	comp-Z,7.4nm,1.0s,baz=90,slow=1.4,SNR=1.1			PKPKP	PKPKP		
BRAL	Brewton	111.26	61	PFAKE	LR	00 49 00.0	+1.5
BRAL	comp-Z,7um,21.0s			LR	LR		
JTS	JuntasAbangare	111.46	83	PFAKE	LR	00 49 00.0	+1.4
JTS	comp-Z,3um,20.0s			LR	LR		
ABPO	Ambohinpanom	111.50	244	PFAKE	LR	00 49 00.0	+1.4
ABPO	comp-Z,2um,21.0s			LR	LR		
KBS	Kingsbay	111.56	355	PFAKE	LR	00 49 00.0	+1.6
KBS	comp-Z,2um,21.0s			LR	LR		
HOPE	Hope Point	111.73	167	PFAKE	LR	00 49 00.0	+1.5
HOPE	comp-Z,2um,20.0s			LR	LR		

UOSS	Minazif	111.83	292	i/P	PKIKP	00 48 45.0	-1.3
UOSS	SNR=8.2						
HATD	Hatta, Dubai	111.89	292	i/P	PKIKP	00 48 45.3	-1.1
HATD	SNR=9						
MSFE	Sama-Masafi	111.89	293	P	PKIKP	00 48 45.7	-0.8
ASHO	Ashtiyah	111.94	292	i/P	PKIKP	00 48 46.7	+0.1
ALNE	Al Ain	112.19	291	P	PKIKP	00 48 46.4	-0.6
NAZ	Nazwa, Dubai	112.32	292	P	PKIKP	00 48 47.0	-0.2
ALNE	SNR=14						
GLMI	Al Faqa, Dubai	112.37	292	P	PKIKP	00 48 46.8	-0.6
GLMI	SNR=14						
GLMI	Grayling	112.62	46	PFAKE	LR	00 49 00.0	+1.3
LCO	Las Campanas	112.66	128	PFAKE	LR	00 49 00.0	+1.2
LCO	comp-Z,8um,20.0s			LR	LR		
AAM	Ann Arbor	113.57	49	PFAKE	LR	00 49 00.0	+1.1
AAM	comp-Z,3um,20.0s			LR	LR		
TRQA	Torquinst	113.76	141	PFAKE	LR	00 49 00.0	+1.0
TRQA	comp-Z,12um,20.0s			LR	LR		
NNA	Nana	114.20	109	PFAKE	LR	00 49 00.0	+8.8
NNA	comp-Z,2um,20.0s			LR	LR		
ACSO	Alum Creek Sta	114.26	51	PFAKE	LR	00 49 00.0	+9.5
ACSO	comp-Z,3um,22.0s			LR	LR		
GOGA	Godfrey	114.28	59	PFAKE	LR	00 49 00.0	+9.3
GOGA	comp-Z,7um,20.0s			LR	LR		
LVZ	Lozovero	115.31	341	PFAKE	LR	00 49 00.0	+8.3
LVZ	comp-Z,1um,19.0s			LR	LR		
LVZ	Lozovero	115.31	341	i/P	PKPKP	00 48 51.7	0.0
LVZ	comp-Z,5.5nm,0.7s,baz=73,slow=2.1,SNR=4.2			PKPKP	PKPKP		
APA	Apacity	115.89	341	i/P	PKPKP	00 48 49.2	-3.6
APA	comp-Z,12nm,1.0s			MLR	MLR		
APA	Apacity	115.89	341	i/P	PKPKP	00 48 49.2	-3.6
APA	comp-Z,3um,23.0s			MLR	MLR		
OTAV	Otavallo	115.98	96	PFAKE	LR	00 49 10.0	+1.5
OTAV	comp-Z,2um,20.0s			LR	LR		
TMCR	Tamitsa	116.12	337	ePKIKP	PKIKP	00 48 52.9	-0.4
TMCR	comp-Z,21nm,1.5s			MLR	MLR		
BCIP	Isla Barro Col	116.28	86	PFAKE	LR	00 49 10.0	+1.5
BCIP	comp-Z,2um,22.0s			LR	LR		
KEV	Kevo	116.31	345	PFAKE	LR	00 49 10.0	+1.6
KEV	comp-Z,4um,21.0s			LR	LR		
BLA	Blacksburg	116.53	54	PFAKE	LR	00 49 10.0	+1.5
BLA	comp-Z,10um,22.0s			LR	LR		
ARCES	ARCCESS Array B	116.84	345	PKP	PKPdff	00 48 54.0	-0.6
ARCES	comp-Z,5.5nm,0.7s,baz=73,slow=2.1,SNR=4.2			PKP	PKPdff		
NHSC	New Hope	117.05	59	PFAKE	LR	00 49 10.0	+1.4
NHSC	comp-Z,10um,21.0s			LR	LR		
KLMR	Klimovskoe	117.06	333	ePKIKP	PKPKP	00 48 52.7	-2.5
KLMR	comp-Z,36nm,1.4s			MLR	MLR		
KLMR	Klimovskoe	117.06	333	ePKP	PKPKP	00 48 52.7	-2.5
KLMR	comp-Z,36nm,1.4s			MLR	MLR		
KLMR	Klimovskoe	117.06	333	ePKP	PKPKP	00 48 52.7	-2.5
KLMR	comp-Z,36nm,1.4s			MLR	MLR		
KLMR	Klimovskoe	117.06	333	ePKP	PKPKP	00 48 52.7	-2.5
KLMR	comp-Z,36nm,1.4s			MLR	MLR		
LVC	Limon Verde	117.08	123	ePKPKP	PKPKP	00 48 57.5	+0.5
LVC	comp-Z,3um,21.0s			MLR	MLR		
LVC	Limon Verde	117.08	123	ePKIKP	PKIKP	00 48 57.5	+0.5
LVC	comp-Z,3um,21.0s			MLR	MLR		
GCUF	Volcan Galeras	117.28	95	eP	PS	00 59 54.9	+1.1
GCUF	comp-Z,3um,21.0s			MLR	MLR		
GCUF	Volcan Galeras	117.28	95	eP	PS	00 59 54.9	+1.1
GCUF	comp-Z,3um,21.0s			MLR	MLR		
SUMG	Summit	117.62	8	i/P	PKIKP	00 48 56.7	+0.1
SUMG	comp-Z,75nm,1.3s			MLR	MLR		
SUMG	Summit	117.62	8	i/P	PKIKP	00 48 56.7	+0.1
SUMG	comp-Z,75nm,1.3s			MLR	MLR		
MAK	Makhachkala	118.02	312	i/P	Pdfff		



Table with columns: TOAO, TORO, TORO, KIC, LIC, DBIC, TAC, SACV. Includes station names like Torodi Ar. Sit, Torodi Ar. Bea, Kosan Boka, etc.

Table with columns: Code, Station Name, A° AZZ, Phase ID, Time Res. Includes stations like Pinotepa, Huatulco, Vista Hermosa.

MEX 07 00:32:16.8-0.6, 15.90N-97.28W, h12km, 4km, MD3.5, Near coast of Oaxaca

ISCJ 07 00:32:30.0-0.3, 10.77S-104.164; 72E:0.05, h10km, mb4.9/26, Error ellipse: s-maj=7.7km s-min=6.2km

ISCJ 07 00:32:30.1-0.7, 10.84S-164.71E, h0km mb4.9/22, mb1 5.0/24, mb1mx4.8/46, mbtmp4.9/24, ML4.5/2, Error ellipse: s-maj=20.7km s-min=14.8km az=115.0

NEIC 07 00:32:32.9-3.2, 10.73S-164.70E, h17km, 20km, mb4.9/7, Error ellipse: s-maj=9.3km s-min=7.3km az=111.0

ISC 07 00:32:31.9-0.5, 10.73S-164.77E, h0.06, h10km, n66, r153/66, mb4.9/26, Santa Cruz Islands region

Main table listing seismic stations with columns: Code, Station Name, A° AZZ, Phase ID, Time Res. Includes stations like Honiara, Mare, Loyalty, etc.

MOS 07 00:41:30.7-1.1, 1.42N-98.91E, h93km, mb5.0/41, Error ellipse: s-maj=10.4km s-min=5.2km az=112.3

ISCJ 07 00:41:31.5-0.4, 1.36N-98.92E, h86km, 2km, mb4.5/30, mb1 4.5/33, mb1mx4.5/45, mbtmp4.8/33, Error ellipse: s-maj=11.0km s-min=6.2km az=81.0

ISCJ 07 00:41:32.0-0.3, 1.41N-103.98E, h104km, 2km, mb4.8/97, Error ellipse: s-maj=5.8km s-min=3.7km az=152.7

NEIC 07 00:41:32.6-0.5, 1.36N-98.95E, h96km, 4km, mb5.0/38, Error ellipse: s-maj=6.2km s-min=3.6km az=56.0

NEIC 07 00:41:34.0-0.4, 1.1N-2.9E, h79km, 9km, M5.4/12, mb5.7/2, MLV5.2/12

ISC 07 00:41:31.5-0.3, 1.41N-103.98E, h104km, 2km, h86km, 2km, n66, r153/66, mb4.9/26, Santa Cruz Islands region

Main table listing seismic stations with columns: Code, Station Name, A° AZZ, Phase ID, Time Res. Includes stations like Mandaling Nat, GSI, Gunungstilo, etc.

Main table listing seismic stations with columns: Code, Station Name, A° AZZ, Phase ID, Time Res. Includes stations like WRA, WRA, WRA, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like Matsuhiro Arr, Hailar, Charters Tower, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like KLMR, AKASG, KIEV, BOSA, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like CWC, R11A, DUG, LSQG, etc.

TXAR	Lajitas Array	142.57	33	PKHkp	PKPpre	01 00 52.0
TXAR	comp-Z, 2.6nm, 1.0s, baz=260, slow=2.2, SNR=8.9			SKPbc	SKPbc	01 04 24.4 -1.4
VTA	Louder	142.86	4	P	PKIKP	01 00 58.5 -0.3
JCT	Junction City	143.62	28	ePKPpdf	PKPbc	01 00 55.0 +0.3
JCT	Junction City	143.62	28	ePKIKP	PKPbc	01 00 55.0 +0.3
Y48A	Jasper	144.41	9	P	PKPbc	01 00 56.9 0.0
BDFB	Brasilia	144.45	245	PKP	PKPpdf	01 00 58.8 -0.2
BDFB	comp-Z, 1.6nm, 0.6s, baz=116, slow=4.0, SNR=26			PKP	PKPpdf	01 00 58.8 -0.6
Y49A	Blount Mountain	144.57	8	P	PKPab	01 01 22.1 -0.1
NATX	Nacogdoches	144.59	20	ePKPpdf	PKPbc	01 00 58.1 +0.5
NATX	Nacogdoches	144.59	20	P	PKPbc	01 00 57.8 +0.2
Y50A	Piedmont	144.62	7	P	PKPbc	01 00 57.8 +0.1
Y51A	Rockmart	144.68	6	P	PKPab	01 00 57.5 -0.2
Y52A	Lilburn	144.81	4	P	PKPbc	01 00 58.5 +0.3
Y53A	Monroe	144.85	4	P	PKPbc	01 00 58.4 0.0
Y54A	Tignall	144.89	2	P	PKPab	01 00 58.0 -0.2
145A	Houston Retre	145.16	13	P	PKPpdf	01 01 00.1 +0.4
249A	Columbiana	145.21	8	P	PKPbc	01 00 59.2 -0.3
250A	Ashland	145.23	7	P	PKPbc	01 00 59.3 -0.2
Z51A	Franklin	145.25	6	P	PKPbc	01 00 59.5 -0.2
LRLAL	Lakeview Retre	145.29	9	ePKPbc	PKPbc	01 00 59.4 -0.4
LRLAL	Lakeview Retre	145.29	9	ePKPbc	PKPbc	01 00 59.4 -0.4
GOGA	Godfrey	145.30	3	ePKPbc	PKPbc	01 00 59.7 -0.1
GOGA	Godfrey	145.30	3	ePKIKP	PKPbc	01 00 59.7 -0.1
GOGA	Godfrey	145.30	3	P	PKPbc	01 00 59.9 +0.1
VBMS	Vicksburg	145.39	14	P	PKPab	01 01 00.6 +0.3
Z53A	Monticello	145.42	4	P	PKPbc	01 01 00.2 0.0
147A	Livingston	145.43	11	P	PKPbc	01 01 00.3 0.0
252A	Williamson	145.45	5	P	PKPab	01 01 00.6 +0.1
Z54A	Sparta	145.50	3	P	PKPbc	01 01 00.4 0.0
Z55A	Blythe	145.52	2	P	PKPbc	01 01 00.5 0.0
148A	Greensboro	145.58	10	P	PKPbc	01 01 00.6 -0.1
833A	Chaparral WMA	145.61	29	P	PKPab	01 01 02.3 +1.0
NHSC	New Hope	145.66	359	ePKPbc	PKPbc	01 01 01.4 +0.1
149A	Jones	145.75	9	P	PKPpdf	01 01 01.0 +0.2
150A	Eclectic	145.85	7	P	PKPbc	01 01 01.4 -0.1
246A	Jackson Lee, B	145.90	12	P	PKPab	01 01 02.2 -0.1
152A	Waverly Hall	145.94	5	P	PKPbc	01 01 01.9 +0.1
151A	Opelika	146.01	6	P	PKPbc	01 01 01.9 -0.1
153A	Fort Valley	146.03	4	P	PKPbc	01 01 02.3 +0.3
154A	Montrose	146.11	3	P	PKPbc	01 01 02.5 +0.2
156A	Sylvania	146.12	1	P	PKPbc	01 01 02.6 +0.3
155A	Kite	146.13	2	P	PKPbc	01 01 02.7 +0.3
CPUP	Villa Florida	146.29	221	PKPbc	PKPbc	01 01 02.9 -0.1
CPUP	comp-Z, 1.6nm, 0.8s, baz=131, slow=1.7, SNR=33			PKPbc	PKPbc	01 01 02.9 -0.1
249A	Camden	146.31	9	P	PKPbc	01 01 26.7 +0.7
251A	Midway	146.43	7	P	PKPbc	01 01 03.6 +0.3
250A	Grady	146.44	8	P	PKPbc	01 01 03.5 +0.2
253A	Americus	146.59	5	P	PKPbc	01 01 03.7 0.0
252A	Lumpkin	146.60	6	P	PKPbc	01 01 04.0 +0.2
254A	Abbeville	146.76	3	P	PKPbc	01 01 04.5 +0.2
256A	Glennville	146.79	1	P	PKPbc	01 01 04.6 +0.3
255A	Hazlehurst	146.82	2	P	PKPbc	01 01 04.8 +0.4
349A	Repton	146.91	10	P	PKPbc	01 01 05.2 +0.5
350A	Dozier	146.98	8	P	PKPbc	01 01 05.4 +0.5
352A	Blakely	147.09	6	P	PKPbc	01 01 05.3 +0.1
BRAL	Brewton	147.11	9	P	PKPbc	01 01 05.6 +0.3
315A	Pinckard	147.22	7	P	PKPbc	01 01 05.9 +0.4
351A	Tifton	147.25	4	P	PKPbc	01 01 05.8 +0.2
353A	Camilla	147.29	3	P	PKPbc	01 01 06.0 +0.3
355A	Pearson	147.39	3	P	PKPbc	01 01 06.6 +0.6
356A	Blackshear	147.44	2	P	PKPbc	01 01 06.8 +0.6
449A	Pace	147.49	10	P	PKPbc	01 01 07.2 +0.9
450A	Crestview	147.54	9	P	PKPbc	01 01 07.2 +0.8
452A	Marianna	147.69	7	P	PKPbc	01 01 07.4 +0.6
453A	Whigham	147.77	5	P	PKPbc	01 01 07.9 +0.9
451A	Vernon	147.85	8	P	PKPbc	01 01 08.2 +0.9
454A	Quitman	147.97	4	P	PKPbc	01 01 08.0 +0.4
455A	Stateville	147.98	3	P	PKPbc	01 01 08.2 +0.6
456A	Hilliard	148.04	2	P	PKPbc	01 01 08.7 +0.9
457A	Yulee	148.15	1	P	PKPbc	01 01 08.8 +0.7
552A	Lynn Haven	148.38	7	P	PKIKP	01 01 09.6 -0.7
553A	Crawfordville	148.42	6	P	PKIKP	01 01 09.8 -0.6
554A	Perry	148.59	4	P	PKIKP	01 01 10.3 -0.4
555A	McAlpin	148.60	3	P	PKIKP	01 01 10.1 -0.6
556A	Lake Butler	148.74	2	P	PKPbc	01 01 10.4 +0.7
557A	Orange Park	148.75	1	P	PKPbc	01 01 10.2 +0.6
657A	Interlachen	149.18	1	P	PKPbc	01 01 11.3 +0.6
658A	Bunnell	149.35	0	P	PKPbc	01 01 11.6 +0.5
656A	Williston	149.37	2	P	PKIKP	01 01 11.8 -0.5
757A	Oxford	149.81	2	P	PKPbc	01 01 12.8 +0.4
857A	Zephyrhills	150.48	2	P	PKPbc	01 01 14.2 +0.3
858A	St. Cloud	150.55	0	P	PKPbc	01 01 14.3 +0.2
DWPF	Disney Wildern	150.65	1	P	PKPbc	01 01 14.7 +0.3
859A	Kemper Cattle	150.70	360	P	PKIKP	01 01 15.0 -0.1
LCO	Las Campanas	150.81	199	ePKPbc	PKIKP	01 01 15.6 -0.1
LCO	Las Campanas	150.81	199	ePKIKP	PKIKP	01 01 15.6 -0.1
958A	Wauhatchie	151.17	1	P	PKIKP	01 01 15.1 0.0

959A	Okeechobee	151.24	360	P	PKIKP	01 01 16.2 0.0
058A	Arcadia	151.69	1	P	PKPbc	01 01 17.0 +0.2
059A	Alcega Haven	151.79	0	P	PKIKP	01 01 17.3 -0.1
059Z	Ave Maria	152.42	1	P	PKIKP	01 01 18.7 0.0
IDC 07 00:42:44.05.3, 11:77S:164:34E, h0km, mb3.7/3, mb1 4.1/3, mb1mx3.7/37, mbtmp3.7/3, Error ellipse: s-maj=279.1km s-min=34.1km az=140.0, Santa Cruz Islands region						
Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s	ISC
WRA	Warramunga Arr	29.94 250	Op	ISC	00 48 55.0	+0.9
ASAR	Alice Springs	31.23 244	P	P	00 49 04.7	-0.9
ILAR	Eielson Array	84.64 19	P	P	00 55 19.1	0.0
IDC 07 00:52:21.31.4, 10:87S:164:37E, h0km, mb3.7/5, mb1 4.0/7, mb1mx3.8/40, mbtmp3.9/7, ML4.2/2, Error ellipse: s-maj=32.6km s-min=25.9km az=136.0, ISCJB 07 00:52:24.0.1.1, 11:0S:0:1x164:3E:0.1, h29km, mb3.6/5, Error ellipse: s-maj=22.2km s-min=11.5km az=35.7, ISC 07 00:52:25.7.1.2, 10:9S:0:1x164:4E:0.1, h29km, n7, 0:072/8, mb3.5/5, Santa Cruz Islands region						
Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s	ISC
HNR	Honiara	4.58 288	Ph	ISC	00 53 33.3	+0.3
HNR	29nm, 0.3s, baz=191, slow=5.2, SNR=2.5			Sn	00 54 25.3	0.0
DZM	Mont Dzumac	11.29 170	Ph	Pn	00 55 05.6	+0.4
WRA	Warramunga Arr	30.25 249	P	P	00 58 34.4	0.0
ASAR	Alice Springs	31.24 242	P	P	00 58 46.3	-0.4
FITZ	Fitzroy Crossi	38.10 255	P	P	00 59 41.6	-0.8
SOMN	Songino Array	77.75 324	P	P	01 04 21.2	+1.0
ILAR	Eielson Array	83.82 19	P	P	01 04 51.4	-0.7
IDC 07 00:53:46.4.1.5, 10:76S:164:36E, h0km, mb3.8/5, mb1 4.1/8, mb1mx3.9/43, mbtmp4.0/8, ML4.4/3, Error ellipse: s-maj=37.7km s-min=26.1km az=128.0, ISCJB 07 00:53:49.2.1.0, 10:9S:0:1x164:2E:0.1, h29km, mb3.7/5, Error ellipse: s-maj=19.5km s-min=11.6km az=33.2, ISC 07 00:53:50.9.1.1, 10:8S:0:1x164:3E:0.1, h29km, n8, 0:087/9, mb3.9/5, Santa Cruz Islands region						
Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s	ISC
HNR	Honiara	4.47 287	Ph	ISC	00 54 57.5	+0.8
HNR	77nm, 0.3s, baz=141, slow=9.5, SNR=5.2			Sn	00 55 46.7	-1.1
DZM	Mont Dzumac	11.40 170	Ph	Pn	00 56 31.6	-0.2
CTA	Charters Tower	19.65 240	P	Pn	00 58 20.0	+0.9
WRA	Warramunga Arr	30.21 249	P	P	00 59 59.0	-0.2
FITZ	Fitzroy Crossi	38.05 254	P	P	01 01 06.6	-0.5
SOMN	Songino Array	77.62 324	P	P	01 05 45.5	+0.9
ILAR	Eielson Array	83.75 19	P	P	01 06 16.7	-0.2
MKAR	Makanchi Array	92.36 317	P	P	01 06 57.9	-0.8
IDC 07 00:55:29.6.1.3, 11:167S:164:37E, h0km, mb3.9/4, mb1 4.3/5, mb1mx3.9/39, mbtmp4.0/5, ML3.5/1, Error ellipse: s-maj=49.0km s-min=26.5km az=138.0, Santa Cruz Islands region						
Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s	ISC
DZM	Mont Dzumac	10.45 172	Ph	ISC	00 58 01.1	+0.2
WRA	Warramunga Arr	30.47 250	P	P	01 01 44.8	+0.4
ASAR	Alice Springs	31.75 244	P	P	01 01 55.3	-0.5
ILAR	Eielson Array	84.37 19	P	P	01 08 03.2	-0.3
NVAR	Mina Array Bea	87.08 50	P	P	01 08 18.1	+0.3
IDC 07 00:56:41.1.0.6, 11:63S:164:85E, h0km, mb4.6/17, mb1 4.5/20, mb1mx4.5/41, mbtmp4.5/20, ML4.2/3, Error ellipse: s-maj=18.3km s-min=15.8km az=141.0, NEIC 07 00:56:43.1.0.2, 11:65S:164:79E, h10km, mb5.0/55, Error ellipse: s-maj=9.0km s-min=5.8km az=157.0, ISCJB 07 00:56:46.9.1.7, 11:69S:0:07:164:69E:0.05, h46km, 14km, mb4.9/80, Error ellipse: s-maj=11.6km s-min=7.5km az=2-8						
Code	Station Name	Δ° AZ°	Phase ID	Time Res	h m s	ISC
HNR	Honiara	5.38 295	ePh	ISC	00 58 04.0	-0.8
HNR	22nm, 0.3s, baz=151, slow=19, SNR=4.0			Sn	00 58 03.4	-1.4
DZM	Mont Dzumac	10.38 172	Ph	Pn	00 59 12.2	-1.2
MSVF	Nonsavu	14.04 171	ePh	P	01 00 08.1	-2.4
CTA	Charters Tower	19.74 243	P	P	01 01 13.1	-0.5
CTAO	Charters Tower	19.74 243	eP	Pn	01 01 15.5	+0.3
URZ	Urewera	28.57 160	P	P	01 02 41.3	+2.2
H1S2	WAKE ISLAND Hy	30.09 3	T	T	01 34 19.5	
H1S3	WAKE ISLAND Hy	30.10 3	T	T	01 34 18.8	
H1S4	WAKE ISLAND Hy	30.11 3	T	T	01 34 19.3	
WRAB	Terrace Creek	30.46 251	eP	P	01 02 55.9	-0.2
WB2	Warramunga Arr	30.46 251	eP	PcP	01 02 55.5	-0.6
WRA	Warramunga Arr	30.47 251	P	P	01 02 56.0	-0.3
AS01	Alice Springs	31.70 244	eP	PcP	01 03 06.0	-1.1
ASAR	Alice Springs	31.74 244	eP	PcP	01 05 58.2	-0.1
ASAR	Alice Springs	31.74 244	P	PcP	01 05 58.8	+0.3
FITZ	Fitzroy Crossi	38.40 255	P	P	01 04 03.5	-1.3
MBWA	Marble Bar	44.19 252	eP	P	01 04 52.0	-0.4
MJAR	Matsushiro Arr	54.21 334	P	P	01 06 07.9	-0.8
ASAJ	Asahikawa	59.18 341	P	P	01 06 42.3	-1.5
NJ2	Nanjing	61.94 316	eP	Pmax	01 07 03.3	+0.5
USRK	Ussuriysk Arr	63.20 334	P	P	01 07 10.8	-0.3
WHN	Wuhan	64.24 312	P	P	01 07 13.9	-4.2

PETK	Petropavlovsk-Prapat	64.89 355	P	P	01 07 21.8	-0.1
PSI	Prapat	67.14 278	P	P	01 07 36.8	-0.6
ENH	Enshi	67.70 310	eP	P	01 07 40.5	0.0
GYA	Guiyang	68.13 305	P	PP	01 07 45.0 +1.7	
GYA	Chiang Mai Arr	71.63 294	eP	PP	01 10 17.2 +3.0	
GYA	Chiang Mai Arr	71.63 294	eP	SKS	01 16 41.8 +1.0	
GYA	Guiyang	68.13 305	SS	SKIKP	01 17 36.3 +0.5	
GYA	Guiyang	68.13 305	SS	SS	01 21 05.0 +0.7	
GYA	comp-Z, 2.20nm, 1.0s			pmax	pmax	
GYA	comp-Z, 130nm, 6.7s			LR	LR	
GYA	comp-N, 540nm, 18.2s			LR	LR	
GYA	comp-E, 520nm, 18.6s			LR	LR	
BJJ	Beijing	68.51 322	eP	P	01 07 45.7	+0.5
XAN	Xi'an	69.98 313	pP	pP	01 07 54.2	-0.4
XAN	Xi'an	69.98 313	pP	pmax	01 08 02.6	-2.6













Table with columns: ILAR, Eielson Array, 84.21 18 P, P, 02 40 32.8 +0.1, etc.

IDC 07 02:33:17.4.4.4, 6.04S, 128.90E, h301km, 44km, mb3.1/1, mb1 3.2/4, mb1mx2.9/37, mbtmp3.9/4, Error ellipse: s-maj=16.5km s-min=13.6km az=71.0, Banda Sea

NEIC 07 02:42:28.2.2.1, 11.77S, 164.98E, h292km, 14km, mb5.0/86, Error ellipse: s-maj=6.2km s-min=4.6km az=180.0

ISCJCB 07 02:42:27.3.0.2, 11.84S, 0.04, 164.92E, 0.03, h26km, mb4.8/109, Error ellipse: s-maj=5.8km s-min=4.6km az=160.4

Main table of seismic events with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, etc.

Main table of seismic events with columns: GYA, Guiyang, 68.21 305 eP, P, 02 53 29.2 +1.8, etc.

Main table of seismic events with columns: J08A, Circle Bar Ran, 88.37 45 eP, P, 02 55 20.1 +1.5, etc.

IDC 07 02:46:03.0.0.7, 10.80S, 165.37E, h0km, mb4.3/13, mb1 4.5/15, mb1mx4.4/29, mbtmp4.3/15, ML5.0/2, MS4.5/2, Ms1 4.5/2, ms1mx3.6/38, Error ellipse: s-maj=25.4km s-min=15.8km az=144.0





Table with columns: Station, Frequency, Power, and other technical details. Includes stations like MA2 Magadan, HHC Hu-ho-hao-te, CM01 Chiang Mai Arr, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like MURC Murrieta, PAHR Pah Rah Range, CWC Crotok Rimge, etc.

Table with columns: Station, Frequency, Power, and other technical details. Includes stations like WALA Waterton Lakes, SYLO Syowa Base, LRM Linn Ridge, etc.

Technical notes and coordinates: IDC 07 02:59:53.6, 0.6, 11.44'Sx165.30'E, h0km, mb4.4/19, mb1.4/6.20, mb1mx3.5/4.7, mbtop4.4/20, ML4.3/1, MS4.2/2, Ms1 4.2/2, ms1mx3.5/3.5, Error ellipse: s-maj=24.7km s-min=15.0km az=138.0







VCNR	Virginia City	86.23	49	eP	P	04 05 36.0 +0.9
BFC5	Mount Baldy Ra	86.24	54	P	P	04 05 34.4 -0.7
109C	Camp Elliot, M	86.30	56	P	P	04 05 35.2 0.0
MLAC	Mammoth, Mammo	86.33	51	P	P	04 05 36.2 +0.6
PKI	Pulchoki	86.38	299	eP	P	04 05 36.0 -0.2
PKIN	Phulchoki	86.39	299	eP	P	04 05 35.9 -0.3
J05D	Fort Rock, OR	86.40	45	P	P	04 05 35.8 +0.1
MURC	Murrieta	86.42	55	P	P	04 05 35.8 -0.2
DAWY	Dawson	86.42	21	eP	P	04 05 35.6 +0.4
YERR	Yerington	86.44	49	eP	P	04 05 36.8 +0.7
CWC	Cottonwood Cre	86.55	52	P	P	04 05 36.8 +0.2
PAHR	Path Rah Range	86.56	48	eP	P	04 05 37.3 +0.7
LRMC	Laurel Mtn Rad	86.58	53	P	P	04 05 37.0 +0.2
BAR	Barrett	86.59	56	eP	P	04 05 37.3 +0.6
MOD	Modoc Plateau	86.59	46	eP	P	04 05 37.3 +0.6
TIN	Tinemaha, Big	86.61	51	P	P	04 05 37.4 +0.5
TIXI	Tiksi	86.62	349	eP	pmx	04 05 35.2 -0.8
E04D	Cinebar	86.64	41	P	P	04 05 37.0 +0.4
DMN	Daman	86.65	299	eP	P	04 05 37.7 +0.3
D05D	Eldon	86.66	40	P	P	04 05 37.3 +0.2
I05D	Terrebonne, OR	86.68	44	P	P	04 05 37.2 +0.2
PINE	Pine Mountain	86.77	44	eP	P	04 05 39.2 +1.6
MONPZ	Monument Peak	86.85	56	P	P	04 05 38.3 0.0
RYN	Ryan	86.86	50	eP	P	04 05 38.2 +0.1
DAC	Darwin (Calif)	86.88	52	eP	P	04 05 39.0 +0.8
DAC	Darwin (Calif)	86.88	52	eP	pmx	04 05 39.1 +0.8
MPMC	Manual Prospe	86.89	52	P	P	04 05 38.2 -0.2
NV01	Mina Array Sit	86.97	50	eP	P	04 05 38.8 0.0
NVAR	Mina Array Bea	86.97	50	eP	P	04 05 39.3 +0.6
G05D	Wamic, OR	87.00	43	P	P	04 05 39.7 +1.2
PFO	Pinyon Flats O	87.02	55	eP	P	04 05 39.5 +0.6
PFO	Pinyon Flats O	87.02	55	eP	pmx	04 05 39.5 +0.6
PFO	Pinyon Flats O	87.02	55	eP	P	04 05 39.0 0.0
XPFO	Pion Flat	87.02	55	eP	P	04 05 39.5 +0.6
IKP	In-Ko-Pah, Jac	87.03	56	P	P	04 05 39.2 +0.2
NV11	Mina Array Sit	87.08	50	eP	P	04 05 39.4 +0.2
F05D	White Salmon	87.13	42	P	P	04 05 39.8 +0.8
GSC	Goldstone, Bar	87.21	53	eP	P	04 05 40.5 +0.7
GSC	Goldstone, Bar	87.21	53	eP	pmx	04 05 40.5 +0.7
GSC	Goldstone, Bar	87.21	53	eP	P	04 05 39.9 +0.1
D05A	Enumclaw	87.23	41	eP	P	04 05 41.1 +1.6
GRV	Grapevine Rang	87.26	52	P	P	04 05 40.1 +0.1
KVAC	Kaiserville	87.31	49	eP	P	04 05 40.9 +0.6
KVN	Kaiserville	87.31	49	eP	pmx	04 05 40.9 +0.6
DLBC	Dease Lake	87.32	28	eP	P	04 05 39.8 0.0
A04D	Lummi Island	87.32	39	P	P	04 05 40.6 +0.7
SWSC	Sam W. Stewart	87.33	56	P	P	04 05 40.8 +0.3
HEC	Hector, Ludlow	87.45	54	P	P	04 05 41.0 0.0
BELC	Belle Mtn, Jos	87.49	55	P	P	04 05 41.4 +0.1
FURC	Furnace Creek,	87.49	52	P	P	04 05 41.0 0.0
B05A	Bryant	87.54	40	P	P	04 05 41.0 +0.1
SHOC	Shoshone, Tec	87.73	53	P	P	04 05 42.6 +0.1
BC3	Big Chukawall	87.83	50	P	P	04 05 43.0 +0.1
I07A	Ize	87.84	44	eP	P	04 05 43.5 +0.8
VVOR	Wild Horse Val	87.94	46	eP	P	04 05 44.0 +0.8
VVOR	Wild Horse Val	87.94	46	eP	pmx	04 05 44.0 +0.8
TUQ	Turquoise Mtn	87.94	53	P	P	04 05 43.6 +0.3
GMRC	Granite Mounta	87.97	54	P	P	04 05 43.7 +0.1
KOLN	Koldanda	87.98	299	eP	P	04 05 43.1 -0.7
DANN	Dangsin	87.98	299	eP	P	04 05 42.5 -1.4
LTY	Liberty	88.10	41	eP	P	04 05 44.2 +0.4
TPNV	Topopah Spring	88.10	52	eP	P	04 05 44.8 +0.6
TPNV	Topopah Spring	88.10	52	eP	pmx	04 05 44.8 +0.6
TPNV	Topopah Spring	88.10	52	P	P	04 05 44.4 +0.3
F07A	Phinny Hill Vi	88.14	42	eP	P	04 05 44.9 +1.0
GLA	Glamis	88.18	56	eP	P	04 05 45.8 +1.4
GLA	Glamis	88.18	56	eP	pmx	04 05 45.8 +1.4
GLA	Glamis	88.18	56	P	P	04 05 45.3 +0.9
IRM	Iron Mountain	88.22	55	P	P	04 05 45.0 +0.4
J08A	Circle Ran	88.33	45	eP	P	04 05 45.9 +0.8
LDFC	Landfair	88.49	54	eP	P	04 05 47.2 +1.2
HAWA	Hanford	88.56	42	eP	P	04 05 46.1 +0.2
PYUN	Piuthan	88.58	299	eP	P	04 05 45.7 -1.0
G08A	Pilot Rock	88.59	43	eP	P	04 05 46.9 +0.7
Y12C	Blythe	88.61	55	eP	P	04 05 47.7 +1.3
Y12C	Blythe	88.61	55	eP	P	04 05 47.7 +0.7
NEE2	Needles Airpor	88.60	54	P	P	04 05 47.8 +0.5
SHPR	Sheep Range	88.83	52	eP	P	04 05 48.3 +0.7
E08A	Dider Farm, 1.3	88.90	42	eP	P	04 05 48.5 +1.1
E13A	Mohawk Valley	88.97	56	eP	P	04 05 49.5 +1.4
R11A	Troy Canyon, C	88.99	51	eP	P	04 05 49.0 +0.6

R11A	Troy Canyon, C	88.99	51	P	P	04 05 48.2 -0.1
PDMCI	Parker Dam, Lak	89.06	55	P	P	04 05 49.0 +0.5
WMQ	Urumqi	89.10	315	pP	sP	04 05 48.7 +0.1
WMQ	Urumqi	89.10	315	pP	sp	04 05 56.1 +2.6
WMQ	Urumqi	89.10	315	pP	pmx	04 06 03.2 +4.7
WMQ	Urumqi	89.10	315	eP	pmx	04 05 49.1 +0.5
WMQ	Urumqi	89.10	315	eP	pmx	04 05 49.1 +0.5
D08A	Wollman Farm,	89.17	42	eP	P	04 05 49.0 +0.3
B08A	Colville Reser	89.31	40	eP	P	04 05 49.7 +0.3
W13A	Hualapai Mount	89.46	54	eP	P	04 05 51.4 +0.7
E09A	Wood Farm, Sta	89.51	42	eP	P	04 05 51.2 +0.9
214A	Organ Pipe Nat	89.56	57	P	P	04 05 51.5 +0.6
BMO	Blue Mountains	89.58	44	eP	P	04 05 51.3 +0.5
BMO	Blue Mountains	89.58	44	eP	pmx	04 05 51.3 +0.5
C09A	Chrisman Ranch	89.81	41	eP	P	04 05 52.3 +0.6
Y14A	Wickenburg	89.88	55	eP	P	04 05 52.3 -0.1
ELK	Elko	89.89	48	eP	P	04 05 53.5 +0.9
ELK	Elko	89.89	48	eP	pmx	04 05 53.5 +0.9
F10A	Beach Ranch, E	89.96	43	eP	P	04 05 53.0 +0.5
MFID	Camas Ranch	90.19	46	eP	P	04 05 54.9 +1.1
PSUT	Pine Spring	90.35	51	eP	P	04 05 55.7 +1.0
HSIG	Little Creek M	90.43	61	eP	P	04 05 56.6 +1.5
LCMT	Little Creek M	90.44	52	eP	P	04 05 56.2 +1.1
CCUT	Cedar City	90.48	52	eP	P	04 05 56.8 +1.4
NEW	Newport	90.69	41	eP	P	04 05 55.9 +0.1
NEW	Newport	90.69	41	P	P	04 05 56.0 +0.1
SZCU	Shurtz Canyon	90.71	52	eP	P	04 05 57.4 +0.9
INK	Inuvik	90.75	19	eP	pmx	04 05 54.5 -1.1
INK	Inuvik	90.75	19	eP	pmx	04 05 54.5 -1.1
INK	Inuvik	90.75	19	P	P	04 05 54.5 -1.1
KNB	Kanab	90.77	52	eP	P	04 05 58.0 +1.3
KNB	Kanab	90.77	52	eP	pmx	04 05 58.0 +1.3
KNB	Kanab	90.77	52	eP	pmx	04 05 58.0 +1.3
SYO	Syowa Base	90.95	197	iP	sP	04 05 55.4 -1.2
SYO	Syowa Base	90.95	197	iP	sP	04 06 12.0 +1.0
DGZ	Jazzator, Alta	90.99	321	iP	pmx	04 05 57.3 -0.1
U15A	North Rim	91.04	53	eP	P	04 05 59.5 +1.3
HLID	Halil	91.22	46	eP	P	04 05 59.4 +0.8
HLID	Halil	91.22	46	P	P	04 05 59.4 +0.8
X16A	Lo Miso Camp, P	91.25	55	eP	P	04 06 00.5 +1.5
PKCU	Pink Cliffs	91.27	52	eP	P	04 06 01.2 +2.1
TUC	Tucson	91.31	57	eP	P	04 06 00.6 +1.4
TUC	Tucson	91.31	57	eP	pmx	04 06 00.6 +1.4
TUC	Tucson	91.31	57	P	P	04 05 59.8 +0.6
TCRU	Three Creeks R	91.44	51	eP	P	04 06 01.1 +1.2
MTPU	Mouty Pierson	91.51	52	eP	P	04 06 02.1 +1.8
DUG	Dugway, Tooele	91.54	49	eP	P	04 06 01.0 +0.9
DUG	Dugway, Tooele	91.54	49	eP	pmx	04 06 01.0 +0.9
DUG	Dugway, Tooele	91.54	49	P	P	04 06 00.8 +0.6
WUAZ	Wupatki	91.56	54	eP	P	04 06 01.6 +1.3
WUAZ	Wupatki	91.56	54	P	P	04 06 00.8 +0.5
BGU	Big Grassy Mtn	91.56	49	eP	P	04 06 01.1 +0.9
MSU	Marysval	91.62	51	eP	P	04 06 02.4 +1.7
MSU	Marysval	91.62	51	eP	P	04 06 02.4 +1.7
HVU	Hansel Valley	91.95	48	eP	P	04 06 03.1 +1.1
HVU	Hansel Valley	91.95	48	eP	pmx	04 06 03.1 +1.1
NLU	North Lily Mtn	92.04	50	eP	P	04 06 03.6 +1.1
SPUT	South Promont	92.08	48	eP	P	04 06 03.6 +1.0
319A	Douglas	92.36	59	eP	P	04 06 05.7 +1.6
MSO	Missoula	92.38	43	eP	P	04 06 04.5 +0.6
MSO	Missoula	92.38	43	P	P	04 06 04.0 +0.1
MPU	Maple Canyon	92.38	50	eP	P	04 06 05.5 +1.3
CTU	Camp Tracy	92.45	49	eP	P	04 06 05.5 +1.1
X16A	Snowflake	92.48	55	eP	P	04 06 06.0 +1.3
X16A	Snowflake	92.48	55	eP	P	04 06 06.7 +2.1
MCTM	McKenzie Canyon	92.63	45	eP	P	04 06 06.2 +1.0
JLU	Jordanella	92.65	49	eP	P	04 06 07.0 +1.6
W18A	Petrified Fore	92.78	55	P	P	04 06 06.5 +0.5
TCUT	Toone Canyon	92.80	49	eP	P	04 06 07.6 +1.5
DLMT	Dillon	92.93	44	eP	P	04 06 07.6 +1.1
P17A	Butcher Ranch,	92.93	50	eP	P	04 06 07.8 +1.2
WALA	Watson Canyon	92.95	41	eP	P	04 06 07.4 +0.9
LRM	Limekiln Ridge	93.14	44	eP	P	04 06 08.1 +0.6
MK01	Makanchi Array	93.54	317	eP	P	04 06 09.0 -0.1
MK31	Makanchi Array	93.56	317	eP	P	04 06 09.2 0.0
MKAR	Makanchi Array	93.56	317	eP	P	04 06 09.2 0.0
MKAR	Makanchi Array	93.56	317	PP	PP	04 05 52.8 -1.2
MKAR	Makanchi Array	93.56	317	PP	PP	04 23 13.4 -2.2
FWXY	Fox Creek	93.63	46	eP</		



7d 4h

comp=Z,4.0nm,1.0s,baz=51,slow=4.3,SNR=8.1
TOA1 Torodi Arr. Sit 163.70 277 ePKPdf PKPab 04 12 55.6 -1.5
TOA1 ePKPab PKPab 04 13 49.5 +0.3

IDC 07 03:56:28.7±1.1, 10.85S×165.17E, h0km, mb4.0/7,
mb1 4.3/8, mb1mx4.0/37, mbtmp4.0/8, ML4.2/1, MS3.7/1,
Ms1 3.7/1, ms1mx3.0/26, Error ellipse: s-maj=41.7km
s-min=24.1km az=137.0

ISCJB 07 03:56:32.0±0.7, 11.05S×165.17E±0.1, h31km, mb4.0/7,
MS3.6/1, Error ellipse: s-maj=21.8km s-min=15.5km
az=26.8

ISC 07 03:56:33.7±0.9, 10.85S×165.22E±0.2, h31km, m16,
c1534.9, mb4.0/7, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include DZM, CTA, H1S2, H1S3, H1S1, H1N1, H1N3, H1N2, WRA, ASAR, JCJ, SONM, ILAR, NVAR, MKAR, PDAR.

IDC 07 03:59:57.3±0.8, 11.37S×165.91E, h0km, mb3.6/3,
mb1 3.9/3, mb1mx3.5/32, mbtmp3.6/3, Error ellipse:
s-maj=184.3km s-min=31.7km az=139.0, Santa Cruz
Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include WRA, ASAR, ILAR.

IDC 07 04:00:14.2±1.6, 11.89S×165.50E, h0km, mb3.9/6,
mb1 4.1/7, mb1mx3.9/32, mbtmp3.9/7, ML3.8/1, Error
ellipse: s-maj=45.9km s-min=26.8km az=122.0, Santa
Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include DZM, H1S2, H1S3, H1S1, WRA, H1N1, H1N3, H1N2, ASAR, FITZ, SONM, ILAR, MKAR.

IDC 07 04:09:25.9±1.2, 11.45S×165.12E, h0km, mb3.8/7,
mb1 4.1/8, mb1mx3.9/33, mbtmp3.8/8, ML3.6/1, Error
ellipse: s-maj=41.8km s-min=23.0km az=133.0

ISCJB 07 04:09:29.4±0.9, 11.65S×165.10E±0.2, h34km, mb3.7/6,
Error ellipse: s-maj=23.2km s-min=17.2km az=19.9

ISC 07 04:09:31.0±0.9, 11.55S×165.10E±0.2, h34km, m8,
c063.8, mb3.7/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include DZM, CTA, WRA, ASAR, SONM, ILAR, NVAR, MKAR.

IDC 07 04:15:11.6±1.5, 11.15S×166.71E, h0km, mb3.9/6,
mb1 4.2/6, mb1mx3.9/34, mbtmp3.9/6, MS3.5/3, Ms1 3.5/3,
ms1mx3.0/26, Error ellipse: s-maj=103.5km
s-min=22.1km az=140.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include HNR, URZ, H1S2, H1S3, H1S1, H1N1, H1N3, H1N2, STKA, WRA, ASAR, LEM, ILAR, NVAR, YKA.

2013 FEB

ISCJB 07 04:24:49.4±0.5, 42.19N×0.07-96.73E±0.06, h10km,
mb4.1/4, MS3.5/1, Error ellipse: s-maj=10.5km
s-min=5.3km az=27.8

NEIC 07 04:24:52.3±0.9, 42.25N×96.82E, h10km, mb4.0/6, Error
ellipse: s-maj=18.2km s-min=6.8km az=177.0

BUII 07 04:24:53.2±4.2, 23N-96.69E, h5km, mb4.4/2, mb4.3/3,
ML4.3/8, MS3.9/4, M57 3.6/4

IDC 07 04:24:54.2±3.2, 42.65N×96.78E, h0km, mb3.8/2,
mb1 3.8/6, mb1mx3.4/39, mbtmp3.7/6, ML3.3/4, MS3.5/1,
Ms1 3.4/1, ms1mx2.7/40, Error ellipse: s-maj=49.8km
s-min=23.9km az=171.0

ISC 07 04:24:52.8±0.6, 42.229N×0.08-96.68E±0.06, h10km, n27,
c2510.32, mb4.2/4, Gansu

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include GTA, WMO, WMO, WMO, SONAO, SONM, MK01, MK01, MK01, MK01, MKAR, MKAR, MKAR, ZALV, ZALV, ZAA1, KURK, AAK, ARSB, GAR, BRVK, CHGR, MDJ, KS01, KBZ, ARAO, ARCS, FIAO, FINES, ZALV, ZALV, ZAA1, KURK, AAK, ARSB, GAR, BRVK, CHGR, MDJ, KS01, KBZ, ARAO, ARCS, FIAO, FINES.

IDC 07 04:28:11.8±1.6, 10.98S×165.31E, h0km, mb3.8/4,
mb1 4.0/5, mb1mx3.7/24, mbtmp3.8/5, ML3.8/1, Error
ellipse: s-maj=50.6km s-min=29.1km az=124.0, Santa
Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include DZM, WRA, ASAR, ILAR, MKAR.

IDC 07 04:37:38.4±0.7, 11.66S×164.97E, h0km, mb4.4/15,
mb1 4.6/17, mb1mx4.4/36, mbtmp4.4/17, ML4.4/2, MS3.7/9,
Ms1 3.7/9, ms1mx3.4/30, Error ellipse: s-maj=22.6km
s-min=16.1km az=123.0

NEIC 07 04:37:40.3±0.2, 11.67S×164.90E, h10km, mb4.8/47, Error
ellipse: s-maj=6.3km s-min=4.8km az=112.0

ISCJB 07 04:37:42.2±0.2, 11.81S×164.86E±0.05, h34km,
mb4.7/59, MS3.9/8, Error ellipse: s-maj=6.9km
s-min=5.7km az=11.8

ISC 07 04:37:43.7±0.4, 11.72S×164.98E±0.08, h34km, m100,
c1508.95, mb4.7/59, MS3.8/8, LD, Santa Cruz Islands
region

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include HNR, DZM, DZM, DZM, DZM, ONTNC, QUENC, PINNC, MSVF, EIDS, CTA, CTA, MANU, COEN, ARMA, RAO, RAO, RAO, URZ, URZ, BKZ, STKA, STKA, H1S2, H1S3, H1S1.

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Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res, h, m, s, ISC. Rows include H1S1, WRAB, WBR2, WR1, WR1, WRA, WRA, H1N1, H1N3, H1N2, AS01, AS31, AS31, AS31, ASAR, ASAR, RPZ, LBZ, BB00, FITZ, FITZ, FITZ, FORT, PPT, PPT, PPT, AIN, JOW, MJAR, MJAR, JNU, PETK, PE1, ENH, XAN, XAN, XAN, KMI, KMI, KMI, CMAR, HHC, HHC, GSPA, SONAO, SONM, SONM, SONM, SONM, SONM, SONM, IL1, SCRK, AFDM, PAHR, NV01, NVAR, NVAR, NVAR, NV11, SHPR, R11A, W13A, ELK, LCMT, SCZU, SCZU, KNB, U15A, U15A, H16A, MTPU, HVU, DLMT, MK01, MK31, MK32, MKAR, MKAR, MKAR, ZALV, ZALV.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like ZAA1, MAKZ, PD31, etc.

ISC 07 04:44:26.4 ± 1.0, 101.865S; 165.51E, h0km, mb3.9/10, mb1.4/1.1, mb1mx3.9/37, mbtmp3.8/11, ML3.5/1, Error ellipse: s-maj=39.1km s-min=20.6km az=138.0

ISCJB 07 04:44:29.4 ± 0.7, 11.0S; 0.1x165.5E:0.1, h30km, mb3.8/9, Error ellipse: s-maj=21.3km s-min=14.3km az=29.0

ISC 07 04:44:31.0 ± 0.8, 10.9S; 0.1x165.5E:0.2, h30km, n17, c0598/11, mb3.8/9, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like DZM, CTA, H1S2, etc.

MEX 07 04:48:13.0 ± 0.4, 13.93N; 92.44W, h15km, 179km, MD3.8, Off coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like THIG, PCIG, etc.

ISC 07 04:58:56.9 ± 3.6, 11.255S; 164.92E, h0km, mb3.8/4, mb1.4/0.4, mb1mx3.7/24, mbtmp3.8/4, MS3.4/3, Ms1.3/4.3, ms1mx2.9/35, Error ellipse: s-maj=151.6km s-min=30.6km az=137.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like DZM, STKA, WRA, etc.

ISC 07 05:07:06.7 ± 1.5, 10.75S; 164.62E, h0km, mb3.9/6, mb1.4/1.6, mb1mx3.9/34, mbtmp3.9/6, Error ellipse: s-maj=70.6km s-min=24.1km az=135.0

ISCJB 07 05:07:09.7 ± 1.3, 10.8S; 0.3x164.5E:0.3, h29km, mb3.8/6, Error ellipse: s-maj=60.9km s-min=20.9km az=135.4

ISC 07 05:07:11.4 ± 1.3, 10.8S; 0.3x164.5E:0.3, h29km, n6, c131/6, mb3.9/6, Santa Cruz Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like STKA, WRA, ASAR, etc.

ISCJB 07 05:07:39.3 ± 0.7, 15.19S; 0.05x167.45E:0.10, h129km, mb4.5/17, Error ellipse: s-maj=13.9km s-min=5.8km az=166.7

ISC 07 05:07:39.3 ± 0.7, 15.19S; 0.05x167.45E:0.10, h129km, mb4.5/17, Error ellipse: s-maj=13.9km s-min=5.8km az=166.7

ISC 07 05:07:40.4 ± 1.6, 15.18S; 0.03x167.51E:0.12, h127km, mb4.4/12, Error ellipse: s-maj=14.7km s-min=9.8km az=210.0

ISC 07 05:07:40.4 ± 1.0, 15.19S; 0.08x167.7E:0.2, h129km, n34, c19159/40, mb4.5/17, Vanuatu Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like MARNC, DZM, WRA, etc.

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like STKA, TOO, WB2, etc.

ISC 07 05:14:08.1 ± 2.0, 53.44N; 87.53E, h0km, 15km, mb3.7, mpv3.4, Error ellipse: s-maj=17.8km s-min=7.1km az=74.0, Suspected Mining explosion

ASRS 07 05:14:02.2 ± 53.60N; 87.92E, M2.9, 6C-8D, Industrial ASRS (after: The Earthquake of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014). Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like ZAA0, KURK, KURB, etc.

ISC 07 05:14:13.3 ± 1.1, 11.52S; 164.99E, h0km, mb4.1/7, mb1.4/3.8, mb1mx4.0/32, mbtmp4.1/8, ML3.9/1, MS3.5/4, Ms1.3/5.4, ms1mx3.0/30, Error ellipse: s-maj=42.9km s-min=22.4km az=133.0

NEIC 07 05:14:16.0 ± 0.4, 11.21S; 165.00E, h10km, mb4.3/6, Error ellipse: s-maj=13.8km s-min=8.1km az=143.0

ISCJB 07 05:14:17.9 ± 0.6, 11.3S; 0.1x164.87E:0.09, h34km, mb4.4/16, MS3.4/2, Error ellipse: s-maj=16.4km s-min=10.5km az=143.1

ISC 07 05:14:19.3 ± 0.7, 11.2S; 0.1x165.0E:0.1, h34km, n36, c1902/26, mb4.3/16, Santa Cruz Islands region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like HNR, DZM, CTA, etc.

ISC 07 05:20:22.2 ± 1.4, 17.22N; 68.48W, h0km, mb3.8/9, mb1.4/1.1, mb1mx3.8/41, mbtmp3.8/11, ML3.3/2, MS3.2/3, Ms1.3/3.3, ms1mx2.7/46, Error ellipse: s-maj=33.2km s-min=20.5km az=171.0

ISCJB 07 05:20:25.0 ± 0.5, 17.13N; 0.04x68.47W:0.03, h38km, mb3.8/9, MS3.3/2, Error ellipse: s-maj=6.5km s-min=3.7km az=163.7

NEIC 07 05:20:25.8 ± 0.0, 17.11N; 68.49W, h10km, MD3.7(RSPR), after RSPR

RSPR 07 05:20:25.8 ± 17.11N; 68.49W, h10km, 4km, MD3.7/11, ISC 07 05:20:27.3 ± 0.7, 17.18N; 0.06x68.48W:0.04, h38km, n53, c086/65, mb3.9/9, 22C-4D, Mona Passage

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like HNR, DZM, CTA, etc.

NEIC 07 05:17:32.9 ± 0.3, 11.24S; 165.24E, h10km, mb4.5/9, Error ellipse: s-maj=8.6km s-min=6.5km az=88.0

ISCJB 07 05:17:34.2 ± 0.4, 11.37S; 0.05x165.21E:0.06, h30km, mb4.2/19, MS3.2/3, Error ellipse: s-maj=9.0km s-min=7.1km az=142.9

ISC 07 05:17:36.0 ± 0.6, 11.27S; 0.09x165.30E:0.08, h30km, n45, c1501/44, mb4.2/19, MS3.3/3, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, ISC, h, m, s, ISC. Includes stations like HNR, DZM, CTA, etc.

7d 5h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like AVB Anegada, SDV Santo Domingo, ROSC El Rosal, etc.

ISCJB 07 05:27:36.1±0.3, 21°31'S; 0°03'176°37'W; 0.05, h200km, mb4.3/39, Error ellipse: s-maj=7.2km s-min=4.1km az=17.9

WEL 07 05:27:37.0±0.2, 21°23'S; 176°35'W, h200km NEIC 07 05:27:37.2±0.1, 21°23'S; 176°35'W, h200km, 9km, mb4.5/21, Error ellipse: s-maj=10.4km s-min=7.1km az=142.0

IDC 07 05:27:44.1±4.0, 21°12'S; 176°60'W, h270km, 37km, mb3.6/13, mb1 3.9/15, mb1mx3/8.36, mbtmp3/3.15, Error ellipse: s-maj=18.5km s-min=13.7km az=131.0

ISC 07 05:27:37.1±0.4, 21°46'S; 0°07'176°25'W; 0.08, h200km, n97°, ±234/11.0, mb4.3/39, 1C, Fiji Islands region

Main station list table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NIUE Niue, MSFV Nonsavu, MARNC Mare, Loyalty, etc.

2013 FEB

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TX31 Lajitas Arr, PV14 Lion Creek, ANMO Albuquerque, etc.

IDC 07 05:28:51.1±2.1, 11°22'S; 167°01'E, h0km, mb4.0/6, mb1 4.3/6, mb4.0/36, mbtmp3.9/6, MS3.3/4, Ms1 3.3/4, ms1mx2.9/38, Error ellipse: s-maj=84.9km s-min=30.8km az=152.0

ISCJB 07 05:28:53.9±1.7, 11°31'S; 0°4'166°9E; 0.2, h288km, mb4.1/8, MS3.2/3, Error ellipse: s-maj=59.3km s-min=24.6km az=153.9

ISC 07 05:28:55.4±1.9, 11°33'S; 0°4'167°0E; 0.3, h288km, n12, ±0578/8, mb4.0/8, MS3.4/3, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR Honiara, WRR Warramunga Arr, FITZ Fitzroy Crossi, etc.

ISCJB 07 05:30:17.0±0.5, 45°41'N; 0°2'174°7'W; 0.02, h3km, 3km, Error ellipse: s-maj=2.9km s-min=2.4km az=31.0

OTT 07 05:30:19.0±0.1, 45°41'N; 71°44'W, h5km, MN3.1/20, OTT 20km southeast from East Ang. Qc. Felt 36km east from Sherbrooke, Qc Northern Appalachians Seismic Zone. Felt at Sherbrooke, Qc.

NEIC 07 05:30:18.0±0.0, 45°41'N; 71°44'W, h5km, MN2.7(WES), MN3.1(OTT), After OTT.

NEIC Felt in the Cookshire-Eaton area. ANF 07 05:30:19.0±0.7, 45°32'N; 71°39'W, h4km, 5km, ML2.9/3, Error ellipse: s-maj=4.1km s-min=2.6km az=10.0

WES 07 05:30:20.2±1.5, 41°17'N; 147°W, h6km, ISC 07 05:30:18.5±1.2, 45°40'N; 0°2'174°7'W; 0.02, h5km, 10km, n60°, ±084/99, 1D, Southern Quebec

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MQQ Mont Orford, BECO Becancour, LBNH Lisbon, etc.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MNTQ, PKME Peaks-Kenny Pk, BCLC Boischatel, etc.

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
HATJ	Hateruma jima	1.09	82	P	05 40 44.8 +0.2		
HATJ	Hateruma jima	1.09	82	P	05 40 59.8 +1.3		
IRIF	Iriomote-Funau	1.09	67	P	05 40 44.9 +0.2		
IRIF	Iriomote-Funau	1.09	67	P	05 40 59.7 +0.6		
ESL	Shilin	1.10	265	eP	05 40 45.4 +0.4		
ESL	Shilin	1.10	265	eP	05 40 59.1 -0.3		
EGS	Shilin	1.12	326	eP	05 40 44.1 -1.0		
EGFH	Guangfu	1.13	258	eP	05 40 45.3 +0.1		
EGFH	Guangfu	1.13	258	eP	05 40 59.8 +0.1		
HGSD	Ruisui	1.18	249	eP	05 40 46.2 +0.3		
HGSD	Ruisui	1.18	249	eP	05 41 01.8 +0.4		
NTC	Toucheng	1.19	322	P	05 40 47.0 +0.5		
NTC	Toucheng	1.19	322	P	05 41 02.6 +1.1		
TWE	Neicheng	1.19	313	eP	05 40 47.5 +1.0		
TWE	Neicheng	1.19	313	eP	05 41 02.3 +0.7		
ENTT	Nioudou	1.21	307	P	05 40 47.0 +0.1		
ENTT	Nioudou	1.21	307	P	05 41 02.9 +0.8		
NDT	Datong Townshi	1.23	304	eP	05 40 47.3 +0.1		
NDT	Datong Townshi	1.23	304	eP	05 41 03.7 +1.1		
TWB1	Santiao Chiao	1.23	332	eP	05 40 46.1 -0.5		
NNSB	Datong	1.25	294	eP	05 40 47.3 -0.3		
NNSB	Datong	1.25	294	eP	05 41 03.5 +0.2		
NNS	Nan Shan	1.26	295	eP	05 40 47.4 -0.4		
EHY	Hungye	1.26	251	P	05 40 47.4 +0.3		
EHY	Hungye	1.26	251	P	05 41 03.3 -0.1		
WHF	Hehuan Shan	1.27	281	P	05 40 47.6 +0.1		
WHF	Hehuan Shan	1.27	281	P	05 41 04.2 +0.1		
TIPB	Shuangxi	1.28	325	P	05 40 47.2 -0.2		
TIPB	Shuangxi	1.28	325	P	05 41 04.1 -0.1		
JKRS	Kuro-shima	1.30	75	P	05 40 48.4 +0.8		
JKRS	Kuro-shima	1.30	75	P	05 41 06.1 +1.3		
YULB	Yu-li	1.32	247	eP	05 40 48.6 +0.6		
YULB	Yu-li	1.32	247	eP	05 41 04.5 -0.4		
OWD	Renai	1.33	272	iP	05 40 48.6 -0.4		
OWD	Renai	1.33	272	iP	05 41 04.9 -0.3		
CHGB	Renai	1.34	277	eP	05 40 48.6 +0.3		
CHGB	Renai	1.34	277	eP	05 41 05.9 -0.1		
NWLT	Wulai	1.34	310	P	05 40 49.3 +0.2		
NWLT	Wulai	1.34	310	P	05 41 07.4 +1.6		
TWF1	Yuli	1.34	246	eP	05 40 48.9 +0.7		
TWF1	Yuli	1.34	246	eP	05 41 05.6 +0.2		
YHNB	Yeheng	1.37	304	eP	05 40 49.0 -0.6		
YHNB	Yeheng	1.37	304	eP	05 41 07.1 +0.4		
VWDT	Wudt	1.37	264	eP	05 40 49.4 -0.2		
VWDT	Wudt	1.37	264	eP	05 41 05.7 -0.3		
NSK	Sanguang	1.38	303	P	05 40 49.2 -0.7		
NSK	Sanguang	1.38	303	P	05 41 06.8 -0.4		
TDCB	Techi	1.38	284	eP	05 40 49.4 -0.5		
NWF	Wu-fen Shan	1.39	326	eP	05 40 48.7 -0.1		
NWF	Wu-fen Shan	1.39	326	eP	05 41 08.1 +0.8		
WFSB	Wu-fen Shan	1.39	326	eP	05 40 48.7 -0.1		
WFSB	Wu-fen Shan	1.39	326	eP	05 41 09.2 +2.0		
CHKT	Chengkung	1.41	235	eP	05 40 48.9 -0.3		
CHKT	Chengkung	1.41	235	eP	05 41 06.1 -1.0		
JJU	Ishigaki jima	1.46	72	P	05 40 49.8 +0.1		
SSLB	Suanguang	1.54	266	eP	05 40 51.2 +0.4		
SSLB	Suanguang	1.54	266	eP	05 41 10.8 -0.7		
YM11	YM11	1.57	323	eP	05 40 51.9 +0.5		
YM05	YM05	1.58	322	eP	05 40 51.5 0.0		
WHP	Taichung City	1.58	284	eP	05 40 53.4 +0.2		
WHP	Taichung City	1.58	284	eP	05 41 12.4 -0.4		
SMLT	Sun Moon Lake	1.58	269	eP	05 40 52.1 +0.6		
SMLT	Sun Moon Lake	1.58	269	eP	05 41 12.3 -0.5		
YM08	YM08	1.58	324	eP	05 40 52.9 -0.4		
YM04	YM04	1.58	321	eP	05 40 50.8 -0.8		
TYC	Yuchr	1.62	270	eP	05 40 53.4 -0.4		
TYC	Yuchr	1.62	270	eP	05 41 13.1 -0.8		
WHYT	Xinyi Township	1.64	263	P	05 40 51.9 -0.4		
WHYT	Xinyi Township	1.64	263	P	05 41 13.7 -0.8		
LIOB	Emei	1.64	297	eP	05 40 52.6 +0.3		
ELDTV	Lidau	1.65	244	eP	05 40 52.8 +0.4		
ELDTV	Lidau	1.65	244	eP	05 41 12.8 -0.2		
NSTT	Nanjuang	1.65	296	eP	05 40 52.1 -0.2		
JISG	Ishigakijimahi	1.68	66	eS	05 41 12.5 -1.1		
WTP	Ta-pu	1.96	251	eP	05 40 59.1 -0.7		
SLGT	Liugui	2.04	244	eP	05 40 58.7 +1.0		
CHN1	Nanshi	2.06	250	eP	05 40 60.0 +1.9		
TWK	Hsinying	2.07	252	eP	05 40 59.9 +1.7		
TWK	Hsinying	2.07	252	eP	05 41 24.2 +0.9		
LAY	Lan-yu	2.11	208	eP	05 40 59.2 +0.4		
LAY	Lan-yu	2.11	208	eP	05 41 23.2 -1.3		
MASBT	Mashibuluo	2.25	235	eP	05 41 00.5 -0.1		
MASBT	Mashibuluo	2.25	235	eP	05 41 28.3 +0.6		

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res	ISC
TNSS	Tian-Shan	0.24	297	Op	05 41 19.5 0.0		
TNSS	Tian-Shan	0.24	297	eP	05 41 23.6 -1.1		
TNSS	Tian-Shan	0.24	297	eP	05 41 19.5 0.0		
TNSS	Tian-Shan	0.24	297	eP	05 41 23.5 -1.1		
TNSS	Tian-Shan	0.24	297	eP	05 41 19.5 0.0		
TNSS	Tian-Shan	0.24	297	eP	05 41 23.6 -1.1		
MDOK	Medeo	0.28	329	↑P	05 41 19.6 -0.3		
MDOK	Medeo	0.28	329	Pg	05 41 24.0 +0.1		
MDOK	Medeo	0.28	329	Pg	05 41 19.9 0.0		
MDOK	Medeo	0.28	329	↑P	05 41 24.1 +0.1		
MDOK	Medeo	0.28	329	↑P	05 41 19.9 0.0		
MDOK	Medeo	0.28	329	↑P	05 41 24.1 +0.1		
KOTS	Kotrybulak	0.32	343	P	05 41 20.8 +0.1		
KOTS	Kotrybulak	0.32	343	eS	05 41 25.6 +0.3		
KOTS	Kotrybulak	0.32	343	eP	05 41 20.8 +0.1		
KOTS	Kotrybulak	0.32	343	eS	05 41 25.6 +0.3		
KOTS	Kotrybulak	0.32	343	eP	05 41 20.8 +0.1		
KOTS	Kotrybulak	0.32	343	eS	05 41 25.6 +0.3		
AAA	Alma-Ata	0.37	320	P	05 41 22.2 +0.7		
AAA	Alma-Ata	0.37	320	eP	05 41 28.0 0.0		
AAA	Alma-Ata	0.37	320	eP	05 41 22.2 +0.7		
AAA	Alma-Ata	0.37	320	eS	05 41 28.1 0.0		
AAA	Alma-Ata	0.37	320	eP	05 41 22.2 +0.7		
AAA	Alma-Ata	0.37	320	eP	05 41 28.0 0.0		
IZV	Izvestkoviy	0.47	284	P	05 41 23.7 +0.3		
IZV	Izvestkoviy	0.47	284	eP	05 41 30.7 +0.9		
IZV	Izvestkoviy	0.47	284	eP	05 41 23.7 +0.3		
IZV	Izvestkoviy	0.47	284	eS	05 41 30.7 +0.9		
IZV	Izvestkoviy	0.47	284	eP	05 41 23.7 +0.3		
IZV	Izvestkoviy	0.47	284	eS	05 41 30.7 +0.9		
MTBS	Maitube	0.63	289	P	05 41 25.8 -0.9		
MTBS	Maitube	0.63	289	eP	05 41 34.5 -1.0		
MTBS	Maitube	0.63	289	eP	05 41 25.8 -0.9		
MTBS	Maitube	0.63	289	eS	05 41 34.5 -1.0		
MTBS	Maitube	0.63	289	eP	05 41 25.8 -0.9		
MTBS	Maitube	0.63	289	eS	05 41 34.5 -1.0		
KDJ	Kajisay	0.80	183	↑P	05 41 29.4 0.0		
KDJ	Kajisay	0.80	183	↑P	05 41 40.0 +0.1		
KDJ	Kajisay	0.80	183	↑P	05 41 29.4 0.0		
KDJ	Kajisay	0.80	183	↑P	05 41 40.0 +0.1		
KDJ	Kajisay	0.80	183	↑P	05 41 29.4 0.0		
KDJ	Kajisay	0.80	183	↑P	05 41 40.0 +0.1		
SATY	Saty	0.87	81	P	05 41 41.5 -0.6		
SATY	Saty	0.87	81	eS	05 41 29.9 -0.9		
SATY	Saty	0.87	81	eS	05 41 41.5 -0.6		
SATY	Saty	0.87	81	eS	05 41 29.9 -0.9		
SATY	Saty	0.87	81	eS	05 41 41.5 -0.6		
SATY	Saty	0.87	81	eS	05 41 29.9 -0.9		
KURS	Kuram	0.88	50	P	05 41 40.0 -0.7		
KURS	Kuram	0.88	50	↑P	05 41 30.4 -0.7		
KURS	Kuram	0.88	50	↑P	05 41 40.0 -0.8		
KURS	Kuram	0.88	50	↑P	05 41 30.4 -0.7		
KURS	Kuram	0.88	50	↑P	05 41 40.0 -0.8		
KURS	Kuram	0.88	50	↑P	05 41 30.4 -0.7		
KURS	Kuram	0.88	50	↑P	05 41 40.0 -0.8		
KTBS	Karabote	0.89	333	P	05 41 30.7 -0.4		
KTBS	Karabote	0.89	333	P	05 41 42.9 +0.2		
KTBS	Karabote	0.89	333	eP	05 41 30.8 -0.4		
KTBS	Karabote	0.89	333	eS	05 41 43.0 +0.2		
KTBS	Karabote	0.89	333	eP	05 41 30.8 -0.4		
KTBS	Karabote	0.89	333	eS	05 41 43.0 +0.2		
KST	Kastek	0.94	278	P	05 41 31.9 -0.3		
KST	Kastek	0.94	278	↑P	05 41 45.0 +0.4		
KST	Kastek	0.94	278	↑P	05 41 31.9 -0.3		
KST	Kastek	0.94	278	↑P	05 41 45.0 +0.4		
KST	Kastek	0.94	278	↑P	05 41 31.9 -0.3		
KST	Kastek	0.94	278	↑P	05 41 45.0 +0.4		
ULHL	Ulahol	1.00	228	↑P	05 41 32.9 -0.4		
ULHL	Ulahol	1.00					

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AS31, ASAR, ASAR, MTN, BBOO, ENH, CM31, CMAR, QSPA, SONAO, SONAO, SONAO, BOLL, HDA, ILAR, ILB, NV01, NVAR, U15A, X16A, MK01, MK31, MK32, MKAR, MKAR, MKAR, YKA, YKB5, LTX, TXAR.

IDC 07 05:41:43.52.6, 11.80S<165.52E, h0km, mb4.2/6, mb1 4.4/6, mb1mx4.0/36, mbtmp4.1/6, Error ellipse: s-maj=108.2km s-min=26.6km az=139.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, SONM, ILAR, MKAR, YKA.

IDC 07 05:46:36.8.1.8, 10.32S<165.32E, h0km, mb3.7/3, mb1 4.1/4, mb1mx3.6/46, mbtmp3.9/4, ML4.0/1, Error ellipse: s-maj=53.4km s-min=32.6km az=129.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like DZM, WRA, ASAR, ILAR.

NNC 07 05:51:06.1.4.0, 53.38N<90.34E, h2km, 21km, mb3.6, mpv3.4, Error ellipse: s-maj=24.7km s-min=21.7km az=77.0, Suspected Mining explosion

KRAR 07 05:50:56.9.0.1, 53.78N<91.03E, M2.9, 9.5C, Industrial explosion after the Earthquakes of Russia in 2012. Obinsk, G5 RAS, Z24p + CD-ROM, 2014).

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ZAAO, ZAAO, KURK, KURK, KURK, KURB, KURB, KURB, MK31, MK31, MK31, MAKZ, MAKZ, MAKZ.

ISCJB 07 05:58:05.8.0.3, 13.72S<0.06:170.37E, 0.06, h10km, mb4.4/25, MS4.0/6, Error ellipse: s-maj=9.5km s-min=7.4km az=32.4

IDC 07 05:58:06.0.0.8, 13.68S<170.42E, h0km, mb4.2/11, Mb1 4.4/12, mb1mx4.1/37, mbtmp4.2/12, ML3.8/1, MS4.0/9, Ms1 4.0/9, ms1mx3.8/18, Error ellipse: s-maj=30.6km s-min=18.2km az=135.0

NEIC 07 05:58:07.4.0.2, 13.65S<170.38E, h10km, mb4.6/10, Error ellipse: s-maj=7.2km s-min=5.4km az=123.0

GCMT 07 05:58:10.4.0.3, 13.73S<0.01:170.45E, 0.02, h12km, MW5.0/86, Moment Tensor Solution. s34,c45; s86,c129; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=0.40z.09; Mw=0.97z.09; Mw=0.56z.09; Mw=0.41z.28; Mw=3.23z.07; Mw=2.01z.25; Best double couple: M3.38300z.016; N1=1.96, 0.00000, -0.85, 0.00000, -1.8, 0.00000; N2=1.87, 0.00000, -0.82, 0.00000, -1.75, 0.00000; Principal axes: T 3.5260, P1g2.00000, Azm142.00000; N -0.3260, P1g8.00000, Azm244.00000; P -3.2010, P1g10.00000, Azm51.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 07 05:58:07.5.0.6, 13.64S<0.09:170.39E, 0.10, h10km, n58, c084.4/33, mb4.5/25, MS4.0/6, Vanuatu Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MSVF, DZM, DZM, DZM, DZM, DZM.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PNNC, ONTC, HUNR, FJNA, RAO, EIDS, CTA, ARMA, URZ, URZ, URZ, MANU, BKZ, COEN, SNZO, CAN, STKA, STKA, H1S2, H1S3, H1S1, TOO, H1N1, H1N2, WB2, WRI, WRA, ASO1, AS31, ASAR, PPT2, TBI, TBI, FITZ, TAOE, Vanda, QSPA, CAST, SONAO, SONM, SON1, NV01, NVAR, NVAR, ILAR, ILB, IL1, HVU, PDAR, LTX, TXAR, TXAR, YKA, YKA, YKB5, ZAAO, MK32, MKAR, MKAR.

IDC 07 05:59:49.7.4.5, 11.20S<165.51E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.5/40, mbtmp3.6/4, Error ellipse: s-maj=187.1km s-min=36.5km az=136.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, ILAR, ILB, IL1, HVU, PDAR, LTX, TXAR, TXAR, YKA, YKA, YKB5, ZAAO, MK32, MKAR, MKAR.

IDC 07 05:59:49.7.4.5, 11.20S<165.51E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.5/40, mbtmp3.6/4, Error ellipse: s-maj=187.1km s-min=36.5km az=136.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, ILAR, MKAR, MKAR.

IDC 07 06:01:29.6.0.8, 11.20S<165.34E, h0km, mb4.1/12, mb1 4.3/13, mb1mx4.1/40, mbtmp4.1/13, ML3.9/1, MS4.4/3, Ms1 4.4/3, ms1mx3.5/27, Error ellipse: s-maj=34.9km s-min=18.5km az=139.0

NEIC 07 06:01:31.4.0.2, 11.24S<165.31E, h10km, mb4.4/14, Error ellipse: s-maj=7.1km s-min=5.0km az=132.0

ISCJB 07 06:01:32.7.0.3, 11.37S<0.07:165.27E, 0.07, h30km, Mb4.2/23, MS4.4/3, Error ellipse: s-maj=11.1km s-min=8.3km az=41.4

ISC 07 06:01:34.3.0.6, 11.27S<0.10:165.33E, 0.1, h30km, n47, c063.4/5, mb4.3/23, MS4.4/3, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like DZM, PNNC, CTAO, COEN, ARMA, URZ, STKA, STKA, WRA, WRA, WB2, WRI, WRA, WRA.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like AS31, ASAR, ASAR, ASAR, ASAJ, CM31, CMAR, SONAO, SONM, HDA, ILAR, ILB, NV01, NVAR, NV11, W13A, LCMT, U15A, X16A, MK01, MK31, MK32, MKAR, MKAR, PD31, PDAR, YKA, YKB5, NRK, LTX, TXAR, Lajitas Array, ARAO, ARCES, FIAO, FINES.

IDC 07 06:05:12.9.3.4, 10.14S<166.09E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.5/38, mbtmp3.5/4, Error ellipse: s-maj=132.2km s-min=32.4km az=135.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, SONM, ILAR.

IDC 07 06:06:07.8.1.8, 11.09S<165.48E, h0km, mb3.8/4, mb1 4.1/5, mb1mx3.6/39, mbtmp3.9/5, ML4.0/1, Error ellipse: s-maj=52.6km s-min=31.5km az=124.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like DZM, STKA, WRA, ASAR, ILAR.

IDC 07 06:09:17.3.0.5, 54.51N<87.13E, h0km, mb1 2.9/2, mb1mx2.8/44, mbtmp2.9/2, ML2.7/2, Error ellipse: s-maj=25.2km s-min=18.4km az=56.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like I46RU, ZALV, ZALV, ZALV, KURB, KURB, KURB, MKAR, MKAR, MKAR, BVAR.

IDC 07 06:10:03.9.1.1, 11.25S<165.37E, h0km, mb3.6/6, mb1 3.9/7, mb1mx3.7/36, mbtmp3.7/7, ML3.8/1, Error ellipse: s-maj=41.4km s-min=25.1km az=133.0

ISCJB 07 06:10:07.1.0.9, 11.45S<0.1:165.3E, 0.2, h30km, mb3.6/6, Error ellipse: s-maj=26.2km s-min=18.1km az=8.2

ISC 07 06:10:08.6.0.9, 11.33S<0.1:165.3E, 0.2, h30km, n8, c113.8/8, mb3.6/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like DZM, WRA, ASAR, SONM, ILAR, NVAR, MKAR, ARCES.

ISCJB 07 06:26:46.2.0.7, 11.9S<0.1:165.2E, 0.1, h10km, mb3.8/8, Error ellipse: s-maj=22.0km s-min=16.4km az=34.0

IDC 07 06:26:46.2.1.0, 11.72S<165.20E, h0km, mb3.9/8, mb1 4.2/9, mb1mx3.8/46, mbtmp3.9/9, ML3.5/1, Error ellipse: s-maj=5.1km s-min=2.6km az=145.0

ISC 07 06:26:47.8.0.8, 11.8S<0.1:165.2E, 0.2, h10km, n10, c071.1/10, mb3.9/8, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like DZM, WRA, ASAR.







IDC 07 07:10:37.6:4.9, 1.79S; 100.26E, h0km, mb3.8/3,  
 mb1 3.8/3, mb1mx3.5/4.1, mbtmp3.8/3, Error ellipse:  
 s-maj=179.5km s-min=93.7km az=67.0  
 DJA 07 07:10:41.7:0.4, 2.3S; 3.10E, h10km, M3.9/8, MLV3.9/8  
 ISCJB 07 07:10:43.0:0.7, 1.48S; 0.06:100.19E:0.08, h33km,  
 mb3.8/3, Error ellipse: s-maj=11.5km s-min=8.4km  
 az=151.9  
 ISC 07 07:10:43.8:1.0, 1.48S; 0.06:100.18E:0.06, h33km, n13,  
 +129/13, mb3.8/3, Southern Sumatara

Code	Station Name	Δ	Phase ID	Time Res	ISC
PDSI	Padang	0.63	26 P	Pb	07 10 53.8 -2.8
PPI	Padang Panjang	1.04	12 P	P	07 11 01.6 -0.5
SISI	Saiba	1.10	178 P	Pn	07 11 01.9 -1.1
PDSI	Pulau Pagai	1.28	278 P	Pn	07 11 05.2 -0.3
SDSI	Sungai Dareh	1.36	66 P	Pn	07 11 06.4 -0.1
KRJI	Kerinci	1.42	115 P	Pn	07 11 07.6 +0.2
MNSI	Mandailing Nat	2.34	345 P	Pn	07 11 21.4 +1.4
MASI	Maura Aman, Be	2.63	129 P	Pn	07 11 24.2 +0.1
MDSI	Maura Dua	4.98	127 P	Pn	07 11 56.0 -0.4
SONM	Songiro Array	49.41	6 P	P	07 19 31.4 +0.7
MKAR	Makanchi Array	50.57	344 P	P	07 19 39.9 +0.4
ZALV	Zalesovo Beam	56.70	349 P	P	07 20 25.8 +1.8
TXAR	Lajitas Array	144.18	37 PKP	PKPab	07 30 16.0 +1.1

IDC 07 07:11:17.9:0.4, 10.98S; 165.69E, h0km, mb4.9/31,  
 mb1 5.0/33, mb1mx5.0/40, mbtmp4.9/33, ML5.4/2, MS4.4/2,  
 MS1.4/4.2, ms1mx3.7/3.9, Error ellipse: s-maj=15.6km  
 s-min=11.3km az=100.9  
 BJJ 07 07:11:18.1, 10.92S; 165.83E, h14km, mb5.3/39, mb4.9/50,  
 MS5.3/21, MS7.5/0.21  
 NEIC 07 07:11:19.3:0.1, 10.97S; 165.56E, h10km, mb5.3/31,81,  
 Error ellipse: s-maj=2.9km s-min=2.1km az=119.0  
 ISCJB 07 07:11:20.9:0.1, 11.04S; 0.02:165.50E:0.02, h30km,  
 mb5.2/221, MS4.3/1, Error ellipse: s-maj=3.5km  
 s-min=3.0km az=10.0  
 MOS 07 07:11:21.5:0.8, 11.00S; 165.53E, h33km, mb5.3/51, Error  
 ellipse: s-maj=8.3km s-min=7.3km az=63.2  
 ISC 07 07:11:22.5:0.3, 11.07S; 0.05:165.60E:0.05, h30km, n506,  
 +89/5/118, mb5.2/221, 11C-4D, Santa Cruz Islands

Code	Station Name	Δ	Phase ID	Time Res	ISC
HNR	Honiara	5.79	286 eP	Pn	07 12 45.9 -0.5
HNR	Honiara	5.79	286 eP	Sn	07 13 51.9 +0.1
HNR	Honiara	5.79	286 eP	Pn	07 12 45.9 -0.5
HNR	Honiara	5.79	286 Pn	Pn	07 12 47.1 +0.7
HNR	13nm,0.3s,baz=144,slow=22,SNR=1.2				07 13 51.9 +0.1
HNR	comp=Z,3um,21.9s,baz=115,slow=39				07 15 05.6
MARNC	Mare, Loyalty	10.62	168 ePn	Pn	07 13 53.0 +0.4
DZM	Mont Dzumac	10.97	176 Pn	Pn	07 13 58.4 +0.8
DZM	21nm,0.3s,baz=354,slow=12,SNR=137				
DZM	1.3nm,0.3s,baz=58,slow=21,SNR=1.4				
ONTNC	Oun Toro	11.21	176 ePn	Pn	07 14 01.2 +0.5
OUEUC	Ouen Island, N	11.35	174 ePn	Pn	07 14 03.2 +0.5
PINNC	Pines Island, N	11.62	171 ePn	Pn	07 14 05.7 +0.6
MSVF	Nonsavu	13.76	120 ePn	Pn	07 14 37.4 +1.7
MSVF	Nonsavu	13.76	120 ePn	Pn	07 14 37.4 +1.7
TARA	Tarawa	14.33	31 ePn	Pn	07 14 42.0 -1.4
EIDS	Eidsvold	19.78	222 eP	P	07 15 51.6 -0.4
MANU	Manus Island	20.19	295 eP	P	07 15 53.6 -1.3
CTA	Charters Tower	20.66	242 P	Pn	07 16 01.3 -1.1
CTA	92nm,0.9s,baz=68,slow=12,SNR=62				
CTA	comp=Z,1um,19.4s,baz=54,slow=36				07 23 38.3
CTAO	Charters Tower	20.66	242 eP	P	07 16 00.6 +0.6
CTAO	129nm,0.9s				
CTAO	Charters Tower	20.66	242 eP	Pmax	07 16 00.6 +0.6
CTAO	comp=Z,129nm,0.9s				
COEN	Coen	22.07	260 eP	P	07 16 15.1 -0.2
ARMA	Armidale	23.22	212 eP	P	07 16 27.3 0.0
ARMA	comp=Z,60nm,1.1s				
Ouz	Omahuta	25.12	164 eP	P	07 16 46.4 +1.6
KMRZ	Kaimai	28.24	163 P	P	07 17 14.5 +1.6
HIZ	Hauti	28.56	169 eP	P	07 17 16.9 +1.2
HIZ	comp=Z,108nm,1.0s				
HAZ	Te Kaha	28.74	160 P	P	07 17 19.4 +2.1
MXZ	Matakaoa Point	28.75	159 eP	P	07 17 17.5 +0.1
RUGZ	Raukawa Rang	28.89	160 P	P	07 17 20.2 +1.4
PRRZ	Plateau Road	28.98	162 P	P	07 17 22.0 +2.6
URZ	Urewera	28.98	161 eP	P	07 17 20.3 +0.9
URZ	comp=Z,72nm,1.1s				
URZ	Urewera	28.98	161 P	P	07 17 20.3 +0.9
URZ	comp=Z,42nm,0.9s,baz=268,slow=27,SNR=20				
URZ	Urewera	28.98	161 P	P	07 17 20.5 +1.1
RATZ	Rangitukua	29.14	164 P	P	07 17 23.4 +2.5
MWZ	Matawai	29.18	161 P	P	07 17 22.1 +0.8
KATZ	Kakamea	29.22	164 P	P	07 17 24.2 +2.4
TWVZ	Taurewa	29.23	164 P	P	07 17 23.9 +2.1
KRVZ	Karewarewa	29.32	164 P	P	07 17 25.2 +2.6
WTVZ	West Tongariro	29.32	164 P	P	07 17 25.4 +2.8
NGZ	Ngauruhoe	29.38	164 P	P	07 17 26.2 +3.0
COVZ	Chateau Obsv	29.39	164 P	P	07 17 25.8 +2.6
H1S2	WAKE ISLAND Hy	29.39	2 T	T	07 48 00.5
H1S2	WAKE ISLAND Hy	29.39	2 T	T	07 48 00.5
H1S3	WAKE ISLAND Hy	29.39	2 T	T	07 48 00.5
H1S3	WAKE ISLAND Hy	29.39	2 T	T	07 48 00.5
H1S1	WAKE ISLAND Hy	29.41	2 T	T	07 48 04.5
H1S1	WAKE ISLAND Hy	29.41	2 T	T	07 48 04.5
MTHZ	Maungataniwha	29.44	162 P	P	07 17 25.0 +1.5
FWVZ	Far West T-bar	29.44	164 P	P	07 17 25.9 +2.1
TUVZ	Tukino	29.48	164 P	P	07 17 26.4 +2.4
TRVZ	Turoa	29.48	164 P	P	07 17 26.1 +1.9
SNGZ	Shannon Statio	29.53	165 P	P	07 17 25.8 +1.1
CNGZ	Carnagh Statio	29.54	160 P	P	07 17 24.7 +0.2
RAHZ	Arahi	29.57	162 P	P	07 17 25.9 +1.2
RIGZ	Rimuhau	29.59	160 P	P	07 17 25.5 +0.6
BKZ	Black Stump Fm	29.62	163 eP	P	07 17 26.1 +0.9
BKZ	Black Stump Fm	29.62	163 P	P	07 17 26.5 +1.3
MOVZ	Moawhango	29.64	164 P	P	07 17 26.9 +1.5
WHHZ	Waihua	29.76	162 P	P	07 17 27.4 +1.0
BHHZ	Black Hill Sta	29.80	164 P	P	07 17 27.8 +1.1
KWHZ	Kaweka Forest	29.84	163 P	P	07 17 28.4 +1.3
ARHZ	Aropapa Hill	29.84	163 P	P	07 17 28.3 +1.1
MCHZ	McNeill Hill	29.94	163 P	P	07 17 29.2 +1.2
STKA	Stephens Creek	30.33	223 eP	P	07 17 31.7 +0.2
STKA	Stephens Creek	30.33	223 eP	P	07 17 31.7 +0.2
STKA	comp=Z,5.0nm,0.8s				
STKA	Stephens Creek	30.33	223 P	P	07 17 32.7 +1.2
STKA	comp=Z,19nm,0.7s,baz=35,slow=8.7,SNR=39				
STKA	comp=Z,4.7nm,1.0s,baz=32,slow=3.5,SNR=3.8				
H11N1	WAKE ISLAND Hy	30.62	2 T	T	07 49 39.5
H11N1	WAKE ISLAND Hy	30.62	2 T	T	07 49 40.2
H11N2	WAKE ISLAND Hy	30.63	2 T	T	07 49 40.8
H11N2	WAKE ISLAND Hy	30.63	2 T	T	07 49 40.8
BFZ	Birch Farm	30.96	164 eP	P	07 17 36.6 -0.3
SNZ	South Kuroi	31.18	167 eP	P	07 17 39.8 +1.0
THZ	Topohue	31.25	169 eP	P	07 17 40.0 +0.5
THZ	comp=Z,43nm,0.7s				
WRAB	Tennant Creek	31.33	250 eP	P	07 17 39.7 -0.8
WRAB	comp=Z,5.7nm,0.9s				
WRAB	Tennant Creek	31.33	250 dP	Pmax	07 17 39.8 -0.7
WRAB	comp=Z,9.7nm,1.3s				
WB2	Warramunga Arr	31.34	250 eP	P	07 17 40.1 -0.4
WR1	Warramunga Arr	31.34	250 eP	P	07 17 40.1 -0.5

WRA	Warramunga Arr	31.34	250 P	P	07 17 40.1 -0.5
WRA	comp=Z,48nm,0.9s,baz=80,slow=9.0,SNR=118				
WRA	comp=Z,2.5nm,0.8s				
TOO	Toolangi	31.98	211 eP	P	07 20 35.4 +1.1
TOO	Toolangi	31.98	211 eP	P	07 20 46.2 +0.2
TOO	Toolangi	31.98	211 eP	P	07 17 46.2 +0.2
TOO	comp=Z,16nm,0.9s				
KHZ	Kahutara	31.99	169 eP	P	07 17 45.8 -0.2
LTZ	Lake Taylor	32.13	171 eP	P	07 17 48.5 +1.2
LTZ	comp=Z,44nm,0.8s				
FOZ	Fox Glacier	32.55	174 eP	P	07 17 51.0 +0.1
ASO1	Allice Springs	32.62	243 eP	P	07 17 50.6 -1.1
OXZ	Oxford	32.62	171 eP	P	07 17 52.3 +0.7
ASO1	Allice Springs	32.65	243 eP	P	07 17 51.4 -0.7
ASAR	Allice Springs	32.65	243 P	P	07 17 51.4 -0.7
ASAR	comp=Z,19nm,0.6s,baz=140,SNR=142				
ASAR	comp=Z,5.0nm,0.7s,baz=68,slow=2.8,SNR=13				
ASAR	comp=Z,1.6nm,1.0s,baz=68,slow=3.2,SNR=4.8				
RPZ	Rata Peaks	32.87	173 P	P	07 17 54.4 +0.7
RPZ	Rata Peaks	32.87	173 P	P	07 17 53.9 +0.1
MOZ	McQueen's Vall	33.09	171 eP	P	07 17 55.9 +0.3
MTN	Manton Dam	33.75	263 eP	P	07 18 00.2 -1.5
BBOO	Bucklebo	34.71	227 eP	P	07 18 09.9 +0.1
FITZ	Fitzroy Crossi	39.23	235 eP	P	07 18 47.3 -1.2
FORT	Forrest	39.91	255 eP	P	07 18 54.2 +0.2
SOEI	Soe	40.65	268 eP	P	07 18 59.4 -1.1
MMRI	Maumere	42.76	269 eP	P	07 19 16.6 -1.0
EDFI	Ende, Flores	43.28	268 P	P	07 19 20.0 -2.0
AMPA	Ampa	44.79	280 P	P	07 19 31.9 -2.0
MBWA	Marble Bar	45.05	251 eP	P	07 19 35.8 -0.2
IMPSI	Mapaga	46.80	281 P	P	07 19 49.8 -0.1
PLAI	Plampang	47.12	268 P	P	07 19 52.2 -0.1
NWAO	Narrogin (SRO)	49.33	236 eP	P	07 20 07.6 -1.6
NWAO	Narrogin (SRO)	49.33	236 eP	P	07 20 07.6 -1.6
NWAO	comp=Z,36nm,1.0s				
JAGI	Jajag, Banyuw	50.72	268 eP	P	07 20 18.0 -2.0
PCJI	Pacitan	53.67	268 P	P	07 20 42.4 +0.5
MJAR	Matsushiro Arr	53.92	333 P	P	07 20 42.7 -0.6
MAJO	Matsushiro	53.92	333 eP	P	07 20 42.7 -0.6
MAJO	Matsushiro	53.92	333 eP	P	07 20 43.0 -0.3
JNU	Nakatsue	55.01	324 eP	P	07 20 50.6 -0.8
JNU	comp=Z,108nm,1.5s				
CISI	Cisompet, Garu	55.01	324 P	P	07 21 05.3 -1.1
CISI	comp=Z,10nm,0.8s,baz=153,slow=4.5,SNR=2.3				
ASAJ	Asahikawa	58.76	341 P	P	07 21 18.6 +1.0
KSRS	Korea Array	59.81	326 P	P	07 21 25.4 +0.4
YSS	Yuzh-Sakhalins	61.29	342 dP	P	07 21 35.9 +1.2
NJ2	Nanjing	61.93	316 eP	P	07 21 39.6 0.0
NJ2	comp=Z,11nm,0.5s				
SKR	Severo-Kuril's	62.04	353 eP	S	07 21 43.8 +3.9
SKR	comp=Z,3um,5.6s				
SKR	comp=Z,1um,5.5s				
SKR	comp=Z,3um,22.0s				
VLA	Vladivostok	62.09	333 i P	P	07 21 40.0 -0.4
USRK	Ussuriysk Arr	62.90	333 P	P	07 21 46.4 +0.5
USRK	comp=Z,7.9nm,0.9s,baz=144,slow=7.3,SNR=7.4				
PETK	Petrovavlovsk-	64.27	355 eP	P	07 21 54.6 -0.1
PETK	Petrovavlovsk-	64.27	355 eP	P	07 21 54.6 -0.1
PETK	Petrovavlovsk-	64.27	355 eP	P	07 21 55.0 +0.3
PEAK	Petrovavlovsk-	64.27	355 eP	P	07 21 55.0 +0.3
SHL1	Shil'ov Array	64.82	344 eP	P	07 21 55.0 +0.2
TYV	Tymovskoe	64.82	344 eP	P	07 21 58.8 +0.5
CN2	Changchun	65.68	329 eP	P	07 22 04.3 +0.2
CN2	comp=Z,10.0nm,1.0s				
IPM	Ipo	66.08	280 eP	P	07 22 07.5 +0.2
CASY	Casey	66.31	201 eP	P	07 22 08.4 +0.6
VNDA	Vanda	66.47	181 eP	P	07 22 09.6 +0.9
VNDA	Vanda	66.47	181 eP	P	07 22 09.6 +0.9
VNDA	Vanda	66.47	181 eP	P	07 22 09.8 +1.1
GRNR	Gornyy	66.61	340 eP	P	07 22 18.8 +1.9
SKNT	Sakonnakorn	66.97	294 P	P	07 22 14.2 +1.4
KLR	Kul'dur	67.02	337 P	P	07 22 13.0 +0.5
KLR	Kul'dur	67.02	337 P	P	07 22 12.9 +0.5
NKLL	Nikolayevsk	67.42	344 eP	P	07 22 14.7 -0.2
NKLL	comp=Z,23nm,0.9s				
NIKH	Nikolski High	67.43</			



Table with columns: TXAR, Lajitas Array, 95.97 61 P, 07 24 46.6 -0.6, etc. Includes various astronomical observations and their parameters.

Table with columns: NIUE, Niue, 4.31 139 P, 07 20 53.4 -3.0, etc. Includes various astronomical observations and their parameters.

Table with columns: LHI, Lord Howe Isla, 29.91 234 PFAKE, 07 26 10.0 +12, etc. Includes various astronomical observations and their parameters.

NEIC 07:07:19:51.5:0.1, 15:81S:172:97W, h18km, mb5, 1/266, MS5.6/299, MW5.7, Error ellipse: s-maj=4.1km, s-min=2.5km, az=139.0, Moment Tensor Solution, s107, Moment tensor: Scale 10^17Nm, Mw:3.28, Ms:0.58, etc.

NEIC 07:07:19:51.8:0.1, 15:76S:172:96W, h17km, mb4.8/30, mb1.4/9.30, mb1mx4.8/39, mbtmp4.9/30, MS5.4/32, Ms1.5/4.32, ms1mx5.3/40, Error ellipse: s-maj=14.4km, s-min=10.5km, az=134.0, etc.

NEIC 07:07:19:52.0:0.1, 15:73S:172:97W, h33km, mb5.2/67, MS5.6/56, Error ellipse: s-maj=9.4km, s-min=7.0km, az=58.1, GCMT 07:07:19:59.0:0.1, 15:73S:0:01:172:58W, h21km, MW5.8/144, Moment Tensor Solution, s136, c296, s144, c353, Duration: 20, Moment tensor: Scale 10^17Nm, etc.

TOO	comp=Z,10um,18.0s	42.55 231	eP	P	07 27 46.5	+0.2
TOO	comp=Z,23nm,0.8s		pmax	MLR		
TAU	comp=Z,10um,18.0s	43.31 223	PFAKE	LR	07 28 00.0	+7.6
MIDW	comp=Z,18um,19.0s	44.00 354	PFAKE	LR	07 28 10.0	+12
STKA	comp=Z,8um,19.0s	44.22 240	P	P	07 28 00.0	+0.1
STKA	comp=Z,44,SNR=50	44.22 240	eP	P	07 27 59.3	-0.6
STKA	comp=Z,2um,18.0s	44.22 240	eP	pmax	07 27 59.3	-0.6
STKA	comp=Z,9.0nm,0.8s		MLR	MLR		
STKA	comp=Z,2um,18.0s	44.22 240	P	P	07 27 59.9	+0.1
STKA	comp=Z,34nm,0.8s,baz=84,slow=10,SNR=22	44.32 203	PFAKE	LR	07 45 44.6	
MCQ	comp=Z,7um,18.1s,baz=78,slow=35	44.32 203	PFAKE	LR	07 28 10.0	+10
ARPS	comp=Z,4um,19.0s	45.10 234	P	P	07 28 06.8	0.0
HTT	comp=Z,47,SNR=15	46.71 239	P	P	07 28 19.7	+0.1
BBOO	comp=Z,49,SNR=11	48.99 240	P	P	07 28 37.0	-0.3
BBOO	comp=Z,23nm,0.9s	48.99 240	eP	P	07 28 32.5	-4.8
BBOO	comp=Z,9um,19.0s	50.18 257	eP	P	07 28 44.3	-2.3
WRAB	comp=Z,27nm,1.0s	50.18 257	eP	P	07 28 44.6	-1.9
WRAB	comp=Z,10um,18.0s	50.18 257	eP	P	07 28 44.6	-1.9
WRAB	comp=Z,95nm,2.5s	50.19 257	eP	pmax	07 28 45.9	-0.8
WR1	comp=Z,20nm,0.8s	50.19 257	eS	S	07 35 55.9	-1.6
WRA	comp=Z,11nm,0.9s	50.19 257	P	S	07 28 45.8	-0.8
WRA	comp=N,1.0nm,1.0s		smax	smax		
WRA	comp=Z,10um,18.1s	50.19 257	P	MLR	07 28 45.8	-0.8
WRA	comp=Z,11nm,0.9s,baz=90,slow=6.3,SNR=60		S	S	07 35 55.9	-1.6
WRA	comp=Z,0.5nm,1.0s,baz=97,slow=14,SNR=2.1		LR	LR	07 49 42.7	
AS01	comp=Z,10um,18.1s,baz=85,slow=36	50.37 252	eP	P	07 28 46.6	-1.4
AS31	comp=Z,13nm,0.7s	50.41 252	eP	P	07 28 47.0	-1.2
AS31	comp=Z,200nm,19.0s	50.41 252	P	LR	07 28 47.0	-1.3
ASAR	comp=Z,38nm,0.6s,baz=89,slow=6.9,SNR=139	50.41 252	P	S	07 36 03.8	+3.3
ASAR	comp=Z,1.0nm,0.9s,baz=93,slow=14,SNR=3.6		S	LR	07 49 04.0	
GUMO	comp=Z,10um,19.2s,baz=98,slow=35	50.95 303	PFAKE	LR	07 29 00.2	+7.7
GUMO	comp=Z,3um,20.0s	50.95 303	LR	LR	07 48 24.6	
KDU	comp=Z,2um,19.2s,baz=144,slow=34	52.90 266	P	P	07 29 06.7	-0.1
MTN	comp=Z,53,SNR=7.0	54.16 265	PFAKE	LR	07 29 30.0	+14
MTN	comp=Z,6um,21.0s	55.00 271	PFAKE	LR	07 29 30.0	+7.7
SAUI	comp=Z,6um,22.0s	55.43 277	PFAKE	LR	07 29 40.0	+15
SAUI	comp=Z,7um,22.0s	55.48 250	P	P	07 29 25.1	-0.5
WRKA	comp=Z,56,SNR=50	55.63 243	P	P	07 29 26.0	-0.5
FORT	comp=Z,56,SNR=28	55.63 243	eP	P	07 29 25.4	-1.2
FORT	comp=Z,52nm,0.7s		LR	LR		
KNRA	comp=Z,4um,18.0s	55.96 262	P	P	07 29 29.5	+0.4
FITZ	comp=Z,55,SNR=7.2	58.57 258	P	P	07 29 47.1	-0.5
FITZ	comp=Z,59,SNR=16	58.57 258	eP	P	07 29 46.9	-0.7
FITZ	comp=Z,7.5nm,0.8s		LR	LR		
JCJ	comp=Z,9um,20.0s	60.98 314	LR	LR	07 51 27.6	
TNTI	comp=Z,3um,21.4s,baz=102,slow=31	61.20 280	PFAKE	LR	07 30 20.0	+14
SOEI	comp=Z,1um,21.0s	61.37 267	eP	P	07 30 06.6	-0.4
SOEI	comp=Z,75nm,0.9s		LR	LR		
BATI	comp=Z,3um,20.0s	61.85 267	LR	LR	07 54 02.8	
SBA	comp=Z,933nm,20.8s,baz=134,slow=33	62.86 185	PFAKE	LR	07 30 30.0	+14
SBA	comp=Z,4um,19.0s	62.99 186	P	P	07 30 19.4	+2.7
VNDA	comp=Z,7.8nm,1.1s,baz=12,slow=10,SNR=2.2		LR	LR	07 51 53.4	
MBWA	comp=Z,1um,21.4s,baz=15,slow=30	63.68 254	eP	P	07 30 21.2	-1.0
MBWA	comp=Z,8um,19.0s	64.08 248	P	P	07 30 24.9	+0.1
KLBR	comp=Z,64,SNR=10	64.44 242	P	P	07 30 27.1	0.0
NWAO	comp=Z,65,SNR=10.0	64.81 241	PFAKE	LR	07 30 40.0	+11
NWAO	comp=Z,2um,18.0s	65.00 286	PFAKE	LR	07 30 40.0	+9.1
DAV	comp=Z,3um,19.0s	65.00 286	LR	LR	07 57 37.1	
BLDU	comp=Z,2um,18.0s,baz=112,slow=35	65.41 243	P	P	07 30 32.6	-0.8
MORW	comp=Z,65,SNR=5.4	66.12 245	eP	P	07 30 37.9	-0.1
MORW	comp=Z,27nm,1.1s		LR	LR		
JHJ	comp=Z,5um,18.0s	66.40 318	LR	LR	07 54 11.0	
GIRL	comp=Z,1um,22.0s,baz=119,slow=31	68.53 252	P	P	07 30 52.1	-1.2
GIRL	comp=Z,69,SNR=3.1	68.53 252	PFAKE	LR	07 31 10.0	+17
GIRL	comp=Z,1um,19.0s	69.56 320	P	pmax	07 30 59.8	+0.4
MJAR	comp=Z,5.0nm,0.7s	69.56 320	P	P	07 30 59.8	+0.4
MJAR	comp=Z,2.1nm,0.4s,baz=160,slow=5.5,SNR=6.6		LR	LR	07 55 57.0	
MAJO	comp=Z,3um,21.8s,baz=135,slow=31	69.57 320	eP	P	07 30 59.8	+0.4
MAJO	comp=Z,4um,22.0s	69.57 320	eP	MLR	07 30 59.8	+0.4
MAJO	comp=Z,4um,22.0s		MLR	MLR		

MJB9	comp=Z,4um,22.0s	69.57 320	PFAKE	LR	07 31 10.0	+11
MJB9	comp=Z,5um,22.0s	70.21 205	eP	P	07 31 03.4	+0.5
CASY	comp=Z,28nm,1.1s		LR	LR		
CASY	comp=Z,2um,18.0s	70.38 327	PFAKE	LR	07 31 20.0	+16
ERM	comp=Z,4um,20.0s	70.42 332	eP	P	07 31 05.5	+1.1
KUR	comp=Z,140nm,1.5s	70.47 330	eP	pmax	07 40 21.3	+5.7
KUR	comp=Z,1.40nm,1.5s		PPP	PPP	07 30 59.3	-5.4
KUR	comp=Z,125nm,1.3s		eS	SS	07 40 11.7	-4.4
YUK	comp=N,90nm,1.0s		pmax	pmax	07 44 52.1	+4.2
YUK	comp=E,181nm,1.3s		pmax	pmax		
YUK	comp=Z,211nm,3.3s	70.55 46	PFAKE	LR	07 31 20.0	+14
JOW	comp=Z,4um,20.0s	71.11 306	PFAKE	LR	07 31 20.0	+11
JOW	comp=Z,2um,21.0s	71.30 40	PFAKE	LR	07 31 20.0	+10
MCCM	comp=Z,3um,20.0s	71.30 44	P	P	07 31 11.7	+1.4
MCCM	comp=Z,5um,18.0s	71.35 42	PFAKE	LR	07 31 20.0	+10
BLG	comp=Z,5um,18.0s	71.36 45	P	P	07 31 12.4	+1.9
JAGI	comp=Z,2um,22.0s	71.38 266	PFAKE	LR	07 31 20.0	+9.0
JAGI	comp=Z,1um,18.0s	71.40 46	P	P	07 31 11.5	+0.8
CIS	comp=Z,4um,20.0s	71.43 44	P	P	07 31 12.4	+1.6
SIMC	comp=Z,3um,20.0s	71.50 43	PFAKE	LR	07 31 20.0	+8.7
PAGB	comp=Z,5um,19.0s	71.59 340	eP	pmax	07 31 09.0	-2.4
SKR	comp=Z,1um,6.8s		MLR	MLR		
SKR	comp=Z,2um,19.0s		MLR	MLR		
HOPS	comp=Z,2um,18.0s	71.72 39	PFAKE	LR	07 31 20.0	+7.5
HOPS	comp=Z,1um,20.0s	71.77 39	PFAKE	LR	07 31 20.0	+7.1
GDXM	comp=Z,5um,18.0s	71.88 45	PFAKE	LR	07 31 30.0	+16
OSI	comp=Z,4um,18.0s	71.99 45	PFAKE	LR	07 31 30.0	+16
PASC	comp=Z,3um,18.0s	72.10 44	P	P	07 31 15.7	+0.8
ARVC	comp=Z,2um,19.0s	72.11 45	eP	P	07 31 16.4	+1.2
MWC	comp=Z,22nm,0.9s	72.13 45	eP	pmax	07 31 16.4	+1.2
MWC	comp=Z,4um,19.0s	72.13 45	eP	pmax	07 31 16.4	+1.2
MWV	comp=Z,2um,19.0s	72.12 38	eP	P	07 31 15.5	+0.5
KMRM	comp=Z,32nm,0.9s		LR	LR		
ASAJ	comp=Z,4um,20.0s	72.15 328	P	P	07 31 16.5	+1.6
ASAJ	comp=Z,30nm,0.7s,baz=221,slow=5.8,SNR=11		LR	LR	08 00 54.2	
BAR	comp=Z,759nm,19.0s,baz=132,slow=34	72.23 47	PFAKE	LR	07 31 30.0	+14
BAR	comp=Z,2um,20.0s	72.34 44	P	P	07 31 16.7	+0.5
MURC	comp=Z,235	72.36 46	P	P	07 31 17.6	+1.1
BFSC	comp=Z,236	72.39 46	P	P	07 31 17.8	+1.0
JNU	comp=Z,15nm,0.9s	72.43 313	eP	P	07 31 17.5	+0.6
JNU	comp=Z,15nm,0.9s,baz=57,slow=5.2,SNR=4.4	72.43 313	P	P	07 31 17.8	+1.8
JNU	comp=Z,1um,20.4s,baz=118,slow=32	72.52 47	P	P	07 31 18.8	+1.1
EDW2	comp=Z,236	72.52 45	P	P	07 31 18.3	+0.8
IKP	comp=Z,236	72.61 48	P	P	07 31 19.5	+1.5
002D	comp=Z,231	72.63 38	P	P	07 31 19.1	+1.1
ISA	comp=Z,23nm,1.0s	72.64 44	eP	P	07 31 19.3	+1.1
ISA	comp=Z,4um,19.0s	72.64 44	P	P	07 31 18.8	+0.6
CMB	comp=Z,14nm,0.9s	72.79 41	eP	P	07 31 19.1	+0.2
CMB	comp=Z,3um,20.0s	72.79 41	eP	pmax	07 31 19.1	+0.2
CMB	comp=Z,14nm,0.9s		MLR	MLR		
SRIG	comp=Z,3um,20.0s	72.81 54	PFAKE	LR	07 31 30.0	+11
PFO	comp=Z,3um,19.0s	72.88 47	eP	P	07 31 20.3	+0.6
PFO	comp=Z,9.3nm,1.1s		LR	LR		
PFO	comp=Z,3um,20.0s	72.88 47	P	P	07 31 20.3	+0.6
PFO	comp=Z,2.5nm,0.9s,baz=256,slow=3.7,SNR=5.3	72.88 47	eP	P	07 31 20.1	+0.4
XPFO	comp=Z,9.9nm,1.1s		LR	LR		
BBRC	comp=Z,3um,20.0s	72.91 46	P	P	07 31 20.6	+0.6
AFDM	comp=Z,9.1nm,0.9s	72.97 40	eP	P	07 31 20.2	+0.2
AFDM	comp=Z,3um,20.0s	72.99 59	PFAKE	LR	07 31 30.0	+10
SLBS	comp=Z,2um,20.0s	72.99 48	P	P	07 31 20.9	+0.7
ORV	comp=Z,7.4nm,1.1s	73.02 39	eP	P	07 31 20.2	0.0
ORV	comp=Z,2um,18.0s	73.02 39	eP	pmax	07 31 20.2	0.0
ORV	comp=Z,7.0nm,1.1s		MLR	MLR		
WDC	comp=Z,2um,18.0s	73.03 38	eP	P	07 31 20.9	+0.6
WDC	comp=Z,4.8nm,1.0s		LR	LR		

LRMC	comp=Z,4um,20.0s	73.07 44	P	P	07 31 21.4	+0.6
PEAOB	comp=Z,60nm,1.0s	73.18 342	eP	P	07 31 21.3	+0.4
PETK	comp=Z,60nm,1.0s	73.18 342	eP	P	07 31 20.9	0.0
PETK	comp=Z,60nm,1.0s	73.18 342	eP	P	07 31 20.9	0.0
PETK	comp=Z,26nm,0.8s,baz=140,slow=7.5,SNR=24	73.18 342	eP	P	07 31 21.3	+0.4
PETK	comp=Z,2776nm,18.7s,baz=149,slow=34		LR	LR	08 01 45.3	
PEA1	comp=Z,60nm,1.0s	73.19 342	eP	P	07 31 21.3	+0.4
N02D	comp=Z,60nm,1.0s	73.19 37	P	P	07 31 22.3	+1.0
003E	comp=Z,73.30 38		P	P	07 31 22.7	+0.7
CWC	comp=Z,73.35 43					

7d 7h

214A	Organ Pipe Nat baz=240	74.64	50	P	P	07 31 31.1 +1.2
KVN	Kaiserville comp=Z,14nm,0.9s	74.83	41	eP	P	07 31 31.4 +0.3
KVN	comp=Z,4um,21.0s			LR	LR	
KVN	Kaiserville	74.83	41	eP	P	07 31 31.4 +0.3
KVN	comp=Z,15nm,0.9s			MLR	MLR	
TPNV	Topopah Spring comp=Z,17nm,0.9s	74.85	44	eP	P	07 31 31.8 +0.6
TPNV	comp=Z,4um,19.0s			LR	LR	
TPNV	Topopah Spring	74.85	44	eP	P	07 31 31.8 +0.6
TPNV	comp=Z,17nm,0.9s			MLR	MLR	
TPNV	comp=Z,4um,19.0s			MLR	MLR	
TPNV	Topopah Spring baz=236	74.85	44	P	P	07 31 32.5 +1.3
PDMDI	Parker Dam,Lak baz=229	74.88	47	P	P	07 31 32.7 +1.5
J04D	Umpqua Nationa baz=230	74.97	36	P	P	07 31 33.3 +1.5
TWG	Piniang	75.13	299	PFAKE	LR	07 31 40.0 +7.0
I04A	Tendick Farm, baz=230	75.15	35	P	P	07 31 34.4 +1.7
MOD	Modoc Plateau comp=Z,25nm,1.1s	75.18	38	eP	P	07 31 33.5 +0.5
MOD	comp=Z,2um,20.0s			LR	LR	
YULB	Yu-li	75.18	300	PFAKE	LR	07 31 40.0 +6.8
KDAK	Kodiak Island comp=Z,31nm,0.9s	75.26	11	eP	P	07 31 33.0 +0.1
KDAK	comp=Z,2um,21.0s			LR	LR	
KDAK	Kodiak Island comp=Z,23nm,0.7s,baz=196,slow=3.9,SNR=21	75.26	11	P	P	07 31 33.1 +0.3
SHPR	Sheep Range comp=Z,13nm,1.0s	75.34	45	eP	P	07 31 34.2 +0.1
SHPR	comp=Z,3um,19.0s			LR	LR	
W13A	Hualapai Mount comp=Z,8.8nm,0.9s	75.47	47	eP	P	07 31 35.3 +0.3
W13A	comp=Z,3um,20.0s			LR	LR	
J05D	Fort Rock, OR baz=231	75.49	36	P	P	07 31 36.5 +1.7
Y14A	Wickenburg	75.50	48	PFAKE	LR	07 31 50.0 +15
G03D	McMinnville, O baz=229	75.60	34	P	P	07 31 37.1 +1.9
SSLB	Suanglung	75.63	300	PFAKE	LR	07 31 50.0 +14
SSLB	comp=Z,2um,22.0s			LR	LR	
YHNB	Yeheng	75.65	301	PFAKE	LR	07 31 50.0 +14
H04A	Detroit Lake comp=Z,34nm,1.0s	75.85	35	eP	P	07 31 36.8 +0.2
H04A	comp=Z,3um,20.0s			LR	LR	
PINE	Pine Mountain comp=Z,50nm,1.1s	75.98	36	eP	P	07 31 38.2 +0.6
PINE	comp=Z,3um,20.0s			LR	LR	
R11A	Troy Canyon, C comp=Z,10nm,1.0s	76.06	43	eP	P	07 31 38.2 0.0
R11A	comp=Z,3um,21.0s			LR	LR	
R11A	Troy Canyon, C baz=229	76.06	43	P	P	07 31 39.4 +1.3
I05D	Terrebonne, OR baz=231	76.09	35	P	P	07 31 39.7 +1.6
BMN	Battle Mountai comp=Z,3um,19.0s	76.18	40	PFAKE	LR	07 31 50.0 +11
F04D	Rainier, OR baz=229	76.31	33	P	P	07 31 40.8 +1.7
TUC	Tucson comp=Z,14nm,0.9s	76.31	50	eP	P	07 31 40.2 +0.6
TUC	comp=Z,3um,19.0s			LR	LR	
TUC	Tucson	76.31	50	eP	P	07 31 40.2 +0.6
TUC	comp=Z,14nm,0.9s			MLR	MLR	
TUC	comp=Z,3um,19.0s			MLR	MLR	
TUC	Tucson baz=241	76.31	50	P	P	07 31 40.9 +1.3
WVOR	Wild Horse Val comp=Z,14nm,1.0s	76.49	38	eP	P	07 31 41.0 +0.5
WVOR	comp=Z,3um,19.0s			LR	LR	
WVOR	Wild Horse Val	76.49	38	eP	P	07 31 41.0 +0.5
WVOR	comp=Z,14nm,1.0s			MLR	MLR	
WVOR	comp=Z,3um,19.0s			MLR	MLR	
G05D	Wamic, OR baz=231	76.68	35	P	P	07 31 42.8 +1.5
KSR5	Korea Array comp=Z,4.0nm,0.7s,baz=126,slow=5.6,SNR=8.2	76.79	315	P	P	07 31 43.2 +1.2
KSR5	comp=Z,1um,21.5s,baz=110,slow=32			LR	LR	08 00 06.1
KSAR	Wonju Array Be baz=231	76.81	315	P	P	07 31 43.2 +1.0
KS01	Wonju Array Be	76.82	315	eP	P	07 31 42.5 +0.2
E04D	Cinebar baz=230	76.85	33	P	P	07 31 44.1 +1.9
X16A	Lo Mia Camp, P comp=Z,20nm,0.9s	76.86	48	eP	P	07 31 43.2 +0.4
X16A	comp=Z,2um,19.0s			LR	LR	
LCMT	Little Creek M comp=Z,9.1nm,0.8s	76.91	45	eP	P	07 31 43.2 +0.2
LCMT	comp=Z,3um,19.0s			LR	LR	
TYV	Tymovskoe	76.94	333	eS	P	07 31 43.1 +0.5
TYV	comp=Z,900nm,4.7s			pmx	pmx	
TYV	comp=Z,43nm,1.5s			smx	smx	
TYV	comp=E,500nm,5.2s			smx	smx	
TYV	comp=E,11nm,2.0s			smx	smx	
I07A	Ize	76.97	36	eP	P	07 31 43.7 +0.5
I07A	comp=E,12nm,1.0s			LR	LR	
319A	Douglas comp=Z,23nm,0.9s	77.00	52	eP	P	07 31 44.0 +0.4
319A	comp=Z,4um,18.0s			LR	LR	
F05D	White Salmon baz=231	77.01	34	P	P	07 31 45.0 +1.9
CCUT	Cedar City comp=Z,11nm,0.9s	77.11	45	eP	P	07 31 44.6 +0.3
CCUT	comp=Z,3um,22.0s			LR	LR	
J08A	Circle Bar Ran comp=Z,2.2nm,0.8s	77.13	37	eP	P	07 31 44.7 +0.7
J08A	comp=Z,2um,19.0s			LR	LR	
D04E	Lakebay baz=229	77.15	32	P	P	07 31 45.1 +1.3
HOM	Home	77.19	11	PFAKE	LR	07 32 00.0 +16
HOM	comp=Z,2um,20.0s			LR	LR	
KNB	Kanab comp=Z,18nm,0.9s	77.20	45	eP	P	07 31 44.9 +0.2
KNB	comp=Z,3um,19.0s			LR	LR	
KNB	Kanab	77.20	45	eP	P	07 31 44.9 +0.2
KNB	comp=Z,18nm,0.9s			MLR	MLR	
KNB	comp=Z,3um,19.0s			MLR	MLR	

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D03D	Eldon baz=229	77.22	32	P	P	07 31 45.9 +1.7
U15A	North Rim comp=Z,14nm,0.9s	77.27	46	eP	P	07 31 45.6 +0.4
U15A	comp=Z,2um,19.0s			LR	LR	
PSUT	Pine Spring comp=Z,22nm,0.9s	77.30	44	eP	P	07 31 45.5 +0.2
PSUT	comp=Z,4um,19.0s			LR	LR	
SZCU	Shurtz Canyon comp=Z,11nm,0.9s	77.32	45	eP	P	07 31 45.6 +0.2
SZCU	comp=Z,2um,21.0s			LR	LR	
LON	Longmire comp=Z,10nm,0.8s	77.37	33	eP	P	07 31 45.9 +0.7
LON	Longmire	77.37	33	eP	P	07 31 45.9 +0.7
LON	comp=Z,10.0nm,0.8s			pmx	pmx	
BRLL	Bradley Lake comp=Z,44nm,1.2s	77.43	11	eP	P	07 31 45.8 +0.6
BRLL	comp=Z,3um,22.0s			LR	LR	
WUAZ	Wupatki comp=Z,13nm,1.0s	77.45	47	eP	P	07 31 47.0 +1.0
WUAZ	comp=Z,2um,21.0s			LR	LR	
WUAZ	Wupatki baz=240	77.45	47	P	P	07 31 47.2 +1.1
D05A	Enumclaw comp=Z,27nm,0.9s	77.56	33	eP	P	07 31 46.5 +0.3
ELK	Elk comp=Z,11nm,0.9s	77.60	41	eP	P	07 31 46.7 -0.2
ELK	comp=Z,3um,19.0s			LR	LR	
ELK	Elko	77.60	41	eP	P	07 31 46.7 -0.2
ELK	comp=Z,11nm,0.9s			MLR	MLR	
KSM	Kuching comp=Z,42nm,1.1s	77.68	275	eP	P	07 31 46.6 -1.0
KSM	comp=Z,1um,21.0s			LR	LR	
RSO	Redoubt South Pink Cliffs	77.75	10	eP	P	07 31 47.1 -0.1
PKCU	comp=Z,24nm,0.9s	77.77	45	eP	P	07 31 48.7 +0.7
PKCU	comp=Z,3um,20.0s			LR	LR	
F07A	Phinny Hill Vi comp=Z,19nm,0.9s	77.85	35	eP	P	07 31 48.3 +0.5
F07A	comp=Z,3um,20.0s			LR	LR	
HPIG	comp=Z,18nm,0.9s	77.88	57	eP	P	07 31 48.7 +0.1
HPIG	comp=Z,2um,19.0s			LR	LR	
SVW2	Sparrevohn comp=Z,8.2nm,1.0s	77.92	9	eP	P	07 31 47.9 +0.1
SVW2	comp=Z,2um,21.0s			LR	LR	
X18A	Snowflake comp=Z,12nm,1.0s	77.99	49	eP	P	07 31 49.5 +0.4
X18A	comp=Z,2um,19.0s			LR	LR	
USRK	Ussuriysk Ar. comp=Z,5.5nm,1.0s,baz=101,slow=4.6,SNR=3.1	78.00	323	P	P	07 31 47.3 -1.4
USRK	comp=Z,4um,21.6s,baz=124,slow=31			LR	LR	08 00 09.3
USA0B	Ussuriysk Arra baz=231	78.01	323	PFAKE	LR	07 32 00.0 +11
USA0B	comp=Z,5um,22.0s			LR	LR	
G08A	Pilot Rock comp=Z,23nm,1.1s	78.02	36	eP	P	07 31 49.2 +0.3
G08A	comp=Z,3um,21.0s			LR	LR	
SEW	Seward	78.02	12	PFAKE	LR	07 32 00.0 +12
SEW	comp=Z,2um,20.0s			LR	LR	
LEM	Lembang comp=Z,3um,19.8s,baz=146,slow=36	78.06	266	LR	LR	08 06 53.6
MTPU	Mount Pierson comp=Z,11nm,1.1s	78.17	45	eP	P	07 31 50.2 -0.1
MTPU	comp=Z,3um,20.0s			LR	LR	
A04D	Lummi Island baz=229	78.19	31	P	P	07 31 51.1 +1.5
B05A	Bryant baz=230	78.20	32	P	P	07 31 50.7 +1.0
TCRU	Three Creeks R comp=Z,4um,19.0s	78.28	44	PFAKE	LR	07 32 00.0 +9.3
LTY	Liberty comp=Z,12nm,1.0s	78.30	33	eP	P	07 31 50.9 +0.5
HAWA	Hanford comp=Z,28nm,1.1s	78.37	35	eP	P	07 31 51.0 +0.3
HAWA	comp=Z,3um,19.0s			LR	LR	
MSU	Marysville	78.41	44	eP	P	07 31 51.3 -0.2
MSU	Marysville	78.41	44	eP	P	07 31 51.3 -0.2
W18A	Petrified Fore comp=Z,9.6nm,0.9s	78.42	48	eP	P	07 31 52.0 +0.4
W18A	comp=Z,2um,20.0s			LR	LR	
W18A	Petrified Fore baz=241	78.42	48	P	P	07 31 52.9 +1.4
SSE	Sheshan	78.58	307	P	S	07 31 49.1 -3.1
SSE	comp=Z,13nm,1.1s			pmx	pmx	07 41 48.7 +1.1
SSE	comp=Z,240nm,4.5s			pmx	pmx	
SSE	comp=N,390nm,24.1s			LR	LR	
SSE	comp=E,620nm,24.3s			LR	LR	
SSE	Sheshan	78.58	307	PFAKE	LR	07 32 00.0 +7.8
C06D	Leavenworth baz=231	78.60	33	P	P	07 31 53.4 +1.4
121A	Cookes Peak, D baz=243	78.66	51	P	P	07 31 54.1 +1.3
B06A	Marblemont comp=Z,34nm,1.1s	78.67	32	eP	P	07 31 52.5 +0.2
B06A	comp=Z,2um,18.0s			LR	LR	
E08A	Dider Farm, El comp=Z,3.6nm,1.0s	78.69	35	eP	P	07 31 52.9 +0.5
E08A	comp=Z,3um,19.0s			LR	LR	
BMO	Blue Mountains comp=Z,7.8nm,0.9s	78.69	37	eP	P	07 31 52.3 -0.4
BMO	Blue Mountains	78.69	37	eP	P	07 31 52.3 -0.4
BMO	comp=Z,8.0nm,0.9s			pmx	pmx	
MFID	Camas Ranch comp=Z,20nm,1.1s	78.74	39	eP	P	07 31 53.1 +0.1
MFID	comp=Z,2um,19.0s			LR	LR	
ZAIG	Zacatecas comp=Z,4.4nm,1.0s	78.80	62	eP	P	07 31 53.6 -0.4
ZAIG	comp=Z,4um,20.0s			LR	LR	
DUG	Dugway, Tooele comp=Z,16nm,1.0s	78.87	43	eP	P	07 31 54

PV09	Paradox Valley	80.47	46	eP	P	07 32 03.4	+0.6
PV10	Paradox Valley	80.48	46	eP	P	07 32 02.9	+0.1
PV10	comp-Z,3um,20.0s			LR	LR		
PV19	Morning Glory	80.49	46	PFAKE	LR	07 32 10.0	+7.3
PV19	comp-Z,2um,20.0s			LR	LR		
PV17	East Wray Mesa	80.49	46	eP	P	07 32 03.8	+1.1
PV17	comp-Z,26nm,1.1s			LR	LR		
UNM	Universidad Na	80.49	67	PFAKE	LR	07 32 10.0	+6.8
UNM	comp-Z,3um,20.0s			LR	LR		
PV14	Lion Creek, Pa	80.49	46	eP	P	07 32 05.3	+2.6
PV14	comp-Z,29nm,1.0s			LR	LR		
PV14	comp-Z,3um,19.0s			LR	LR		
PV20	West Nyswonger	80.51	46	PFAKE	LR	07 32 10.0	+7.2
PV20	comp-Z,2um,19.0s			LR	LR		
PV16	Nyswonger Mesa	80.53	46	eP	P	07 32 04.2	+1.2
PV16	comp-Z,14nm,1.0s			LR	LR		
PV03	Paradox Valley	80.55	46	eP	P	07 32 03.9	+0.8
PV03	comp-Z,16nm,0.9s			LR	LR		
PV11	David Mesa, Pa	80.56	46	PFAKE	LR	07 32 10.0	+6.9
PV11	comp-Z,2um,21.0s			LR	LR		
PV04	Paradox Valley	80.58	46	PFAKE	LR	07 32 10.0	+6.8
PV04	comp-Z,3um,21.0s			LR	LR		
PV02	Paradox Valley	80.61	46	eP	P	07 32 04.6	+1.1
PV21	Comp Mtn., Par	80.61	46	PFAKE	LR	07 32 20.0	+1.7
PV21	comp-Z,3um,20.0s			LR	LR		
PV12	Saucer Basin,	80.62	46	PFAKE	LR	07 32 20.0	+1.7
PV12	comp-Z,3um,21.0s			LR	LR		
CAST	Castle Rocks	80.65	9	eP	P	07 32 01.9	-0.9
CAST	comp-Z,22nm,1.2s			LR	LR		
PV01	Paradox Valley	80.69	46	eP	P	07 32 03.8	0.0
PV01	comp-Z,18nm,1.0s			LR	LR		
MA2	Magadan	80.72	342	eP	P	07 32 02.8	-0.4
MA2	comp-Z,19nm,1.0s			LR	LR		
MA2	comp-Z,2um,20.0s			LR	LR		
MA2	Magadan	80.72	342	eP	P	07 32 03.8	+0.6
MA2	comp-Z,56nm,2.5s			pmax	pmax		
MA2	Magadan	80.72	342	eP	P	07 32 02.6	-0.6
MA2	comp-Z,8.6nm,0.8s,baz=216,slow=7.7,SNR=9.9			LR	LR	08 03 00.9	
ANMO	Albuquerque	80.73	50	eP	P	07 32 03.8	-0.3
ANMO	comp-Z,1.8nm,0.9s			LR	LR		
ANMO	Albuquerque	80.73	50	eP	P	07 32 04.9	+0.8
ANMO	comp-Z,26nm,1.7s			pmax	pmax		
ANMO	Albuquerque	80.73	50	eP	P	07 32 04.9	+0.8
ANMO	comp-Z,2um,19.0s			LR	LR		
PV07	Paradox Valley	80.78	46	PFAKE	LR	07 32 20.0	+1.6
PV07	comp-Z,3um,20.0s			LR	LR		
NJ2	Nanjing	80.79	307	eP	S	07 32 04.3	+0.1
NJ2	comp-Z,13nm,0.9s			pmax	pmax		
NJ2	Nanjing	80.79	307	eP	S	07 42 12.6	+1.7
NJ2	comp-Z,760nm,5.6s			LR	LR		
NJ2	comp-N,2um,19.5s			LR	LR		
NJ2	comp-E,2um,19.0s			LR	LR		
NJ2	comp-Z,1um,19.0s			LR	LR		
NEW	Newport	80.81	34	eP	P	07 32 03.7	-0.3
NEW	comp-Z,12nm,1.0s			LR	LR		
NEW	Newport	80.81	34	eP	P	07 32 03.7	-0.3
NEW	comp-Z,2um,18.0s			pmax	pmax		
NEW	Newport	80.81	34	eP	P	07 32 04.4	+0.4
NEW	comp-Z,2um,18.0s			pmax	pmax		
TRF	Thorofare Moun	80.97	10	eP	P	07 32 04.4	-0.2
TRF	comp-Z,62nm,1.2s			LR	LR		
TRF	SKAG Skagway	81.01	18	eP	P	07 32 04.4	-0.2
TRF	comp-Z,4um,22.0s			LR	LR		
TRF	SKAG	81.01	18	eP	P	07 32 04.4	-0.2
TRF	comp-Z,49nm,1.2s			LR	LR		
GDLE	Guadalupe Moun	81.11	53	eP	P	07 32 06.6	+0.5
KLR	Kul'dur	81.13	327	eP	P	07 32 06.0	+0.4
KLR	comp-Z,5.0nm,0.9s			pmax	pmax		
KLR	Kul'dur	81.13	327	eP	P	07 32 06.0	+0.4
KLR	comp-Z,6.7nm,0.9s,baz=95,slow=6.0,SNR=9.8			LR	LR	08 02 24.7	
DHY	Denali Highway	81.15	11	eP	P	07 32 05.2	-0.4
DHY	comp-Z,19nm,1.2s			LR	LR		
RND	Reindeer	81.18	11	eP	P	07 32 05.2	-0.4
RND	comp-Z,67nm,1.2s			LR	LR		
RND	Reindeer	81.18	11	eP	P	07 32 05.3	-0.4
RND	comp-Z,2um,21.0s			LR	LR		
RND	Reindeer	81.18	11	eP	P	07 32 05.3	-0.4
RND	comp-Z,67nm,1.2s			pmax	pmax		
RND	Reindeer	81.18	11	eP	P	07 32 05.3	-0.4
RND	comp-Z,2um,21.0s			MLR	MLR		
AHID	Auburn Hatcher	81.30	41	PFAKE	LR	07 32 20.0	+1.3
AHID	comp-Z,2um,20.0s			LR	LR		
MCMT	McKenzie Canyo	81.30	39	eP	P	07 32 07.5	+0.5
FAX	Faxson	81.43	12	eP	P	07 32 20.0	+1.3
FAX	comp-Z,1um,20.0s			LR	LR		
BPWA	Bear Paw Mtn.	81.46	10	PFAKE	LR	07 32 20.0	+1.3
BPWA	comp-Z,2um,21.0s			LR	LR		
MCK	McKinley	81.46	11	eP	P	07 32 06.0	-1.1
MCK	comp-Z,89nm,1.1s			LR	LR		
MCK	McKinley	81.46	11	eP	P	07 32 06.0	-1.1
MCK	comp-Z,3um,22.0s			pmax	pmax		
MCK	McKinley	81.46	11	eP	P	07 32 06.0	-1.1
MCK	comp-Z,89nm,1.1s			MLR	MLR		
HYT	Haines Junctio	81.49	17	eP	P	07 32 06.6	-0.8
HYT	comp-Z,51nm,1.2s			LR	LR		
CN2	Changchun	81.71	320	eP	P	07 32 09.5	+0.7
CN2	comp-Z,19nm,1.2s			pmax	pmax	07 32 14.5	+0.1
CN2	Changchun	81.71	320	eP	P	07 42 19.8	-0.2
CN2	comp-Z,30nm,1.0s			pmax	pmax		
CN2	Changchun	81.71	320	eP	P	07 32 09.5	+0.7
CN2	comp-Z,1um,10.0s			LR	LR		
CN2	Changchun	81.71	320	eP	P	07 32 09.5	+0.7
CN2	comp-N,2um,22.0s			LR	LR		
CN2	Changchun	81.71	320	eP	P	07 32 09.5	+0.7
CN2	comp-E,1um,22.0s			LR	LR		
CN2	Changchun	81.71	320	eP	P	07 32 09.5	+0.7
CN2	comp-Z,2um,20.0s			LR	LR		
S22A	4UR Ranch, Cre	81.73	47	eP	P	07 32 09.4	-0.1
S22A	comp-Z,21nm,1.0s			LR	LR		
S22A	4UR Ranch, Cre	81.73	47	eP	P	07 32 10.2	+0.8
S22A	comp-Z,2um,22.0s			LR	LR		
S22A	4UR Ranch, Cre	81.73	47	eP	P	07 32 10.2	+0.8
S22A	comp-Z,2um,22.0s			LR	LR		
DLMT	Dillon	81.74	38	eP	P	07 32 09.1	-0.1
DLMT	comp-Z,16nm,1.0s			LR	LR		

DLMT	Missoula	81.75	36	eP	P	07 32 09.1	0.0
DLMT	comp-Z,2um,20.0s			LR	LR		
MSO	Missoula	81.75	36	eP	P	07 32 09.1	0.0
MSO	comp-Z,37nm,1.1s			LR	LR		
MSO	Missoula	81.75	36	eP	P	07 32 09.4	+0.3
MSO	comp-Z,3um,21.0s			LR	LR		
REDW	Red Top Meadow	81.76	41	eP	P	07 32 09.2	-0.2
REDW	comp-Z,22nm,1.1s			LR	LR		
REDW	Red Top Meadow	81.76	41	eP	P	07 32 09.2	-0.2
REDW	comp-Z,2um,20.0s			LR	LR		
BWN	Browne	81.78	10	eP	P	07 32 08.9	+0.2
BWN	comp-Z,68nm,1.0s			LR	LR		
BWN	Browne	81.78	10	eP	P	07 32 08.9	+0.2
BWN	comp-Z,4um,20.0s			LR	LR		
FXWY	Fox Creek	81.79	40	eP	P	07 32 09.4	-0.2
FXWY	comp-Z,12nm,1.0s			LR	LR		
DL2	Dalian	81.81	314	↑P	P	07 32 11.4	+2.0
DL2	comp-Z,45nm,1.4s			PP	PP	07 35 18.8	+1.7
DL2	Dalian	81.81	314	S	S	07 42 28.1	+6.9
DL2	comp-Z,45nm,1.4s			pmax	pmax		
DL2	comp-Z,970nm,6.2s			LR	LR		
DL2	comp-N,2um,20.3s			LR	LR		
DL2	comp-E,1um,22.3s			LR	LR		
DL2	comp-Z,2um,22.4s			LR	LR		
O20A	White River Ci	81.87	44	eP	P	07 32 09.8	-0.2
O20A	comp-Z,8.4nm,1.0s			LR	LR		
O20A	White River Ci	81.87	44	eP	P	07 32 11.4	+1.4
O20A	comp-Z,3um,20.0s			LR	LR		
SNOW	Snow King Moun	81.87	41	eP	P	07 32 09.4	-0.7
SNOW	comp-Z,30nm,0.9s			LR	LR		
SNOW	Snow King Moun	81.87	41	eP	P	07 32 09.4	-0.7
SNOW	comp-Z,2um,19.0s			LR	LR		
SNY	Shenyang	81.90	318	↑P	P	07 32 12.9	+3.0
DLBC	Dease Lake	81.94	21	eP	P	07 32 09.6	-0.2
DLBC	comp-Z,17nm,1.1s			LR	LR		
MOOW	Moose Ponds	82.03	40	eP	P	07 32 10.4	-0.3
LOHW	Long Hollow	82.05	40	eP	P	07 32 10.6	-0.3
LOHW	comp-Z,9.3nm,0.9s			LR	LR		
LOHW	Long Hollow	82.05	40	eP	P	07 32 10.6	-0.3
LOHW	comp-Z,2um,20.0s			LR	LR		
LRM	Limekiln Ridge	82.07	38	eP	P	07 32 13.2	+2.1
WHY	Whitehorses	82.11	18	eP	P	07 32 10.7	+0.1
WHY	comp-Z,8.5nm,1.1s			LR	LR		
QLMT	Earthquake Lak	82.16	39	eP	P	07 32 11.6	+0.1
LNIG	Linare	82.22	61	eP	P	07 32 11.9	-0.1
LNIG	comp-Z,9.8nm,0.8s			LR	LR		
LNIG	Linare	82.22	61	eP	P	07 32 11.9	-0.1
LNIG	comp-Z,4um,20.0s			LR	LR		
FLWY	Flagg Ranch	82.22	40	eP	P	07 32 11.1	



KSCO	comp=Z,1.1um,21.0s	LR	LR				
KSCO	Kaye Shedlock baz=245	85.25	47	P	P	07 32 28.0 +0.7	
CCIG	Comitan comp=N,8.8nm,1.0s	85.84	72	eP	P	07 32 30.9 +0.1	
CCIG				LR	LR		
435B	comp=Z,4.4um,20.0s	85.89	57	eP	P	07 32 30.6 0.0	
435B	Jarrell comp=Z,10nm,0.9s				LR	LR	
435B	comp=Z,3.3um,20.0s	85.89	57	P	P	07 32 31.5 +1.0	
435B	Jarrell baz=249						
ZEA	Zeya	86.03	329	eS	P	07 32 29.2 -1.4	
ZEA				eS	S	07 43 03.0 0.0	
ZEA				pmax	pmax		
ZEA	comp=N,37nm,1.4s						
ZEA	comp=Z,64nm,1.4s						
ZEA	comp=E,900nm,9.0s						
ZEA	comp=E,700nm,14.0s						
ZEA							
BJT	comp=N,1.1um,16.0s	86.10	313	eP	P	07 32 31.6 +0.3	
BJT	Baijiatuau comp=N,3.7nm,0.7s				LR	LR	
BJT	comp=Z,2.2um,22.0s	86.10	313	eP	P	07 32 31.6 +0.3	
BJT	Baijiatuau						
BJT	comp=Z,4.0nm,0.7s				MLR	MLR	
BJI	Beijing	86.10	313	P	P	07 32 32.8 +1.5	
BJI				PP	PP	07 35 52.8 +0.7	
BJI	Beijing	86.10	313	S	S	07 42 58.5 -5.7	
BJI							
BJI	comp=Z,31nm,1.7s				LR	LR	
BJI	comp=N,630nm,17.4s				LR	LR	
BJI	comp=E,950nm,21.1s				LR	LR	
BJI					LR	LR	
LAO	comp=Z,1.1um,26.3s	86.25	39	eP	P	07 32 31.9 -0.1	
LAO	LASA Array comp=Z,13nm,0.9s				LR	LR	
LAO	comp=Z,2.2um,22.0s	86.25	39	P	P	07 32 33.5 +1.5	
LAO	LASA Array baz=242						
BKNI	Bangkinang	86.28	271	PFAKE	LR	07 32 40.0 +7.2	
BKNI							
WMOK	comp=Z,2.2um,19.0s	86.40	53	eP	P	07 32 33.0 0.0	
WMOK	Wichita Mouta comp=Z,5.3nm,0.9s				LR	LR	
WMOK	comp=Z,2.2um,19.0s	86.40	53	eP	P	07 32 33.0 0.0	
WMOK	Wichita Mouta comp=Z,5.0nm,0.9s						
WMOK					MLR	MLR	
WMOK	comp=Z,2.2um,19.0s	86.40	53	P	P	07 32 34.3 +1.3	
WMOK	Wichita Mouta baz=248						
WHTX	Lake Whitney comp=Z,1.3nm,0.8s	86.43	56	eP	P	07 32 33.7 +0.6	
WHTX					LR	LR	
WHTX	comp=Z,3.3um,19.0s	86.43	56	P	P	07 32 33.6 +0.4	
WHTX	Lake Whitney baz=249						
OGNE	Ogallala	86.46	46	PFAKE	LR	07 32 40.0 +6.8	
OGNE							
RSSD	comp=Z,2.2um,20.0s	86.47	42	eP	P	07 32 33.8 +0.4	
RSSD	Black Hills comp=Z,6.7nm,0.8s				LR	LR	
RSSD	comp=Z,2.2um,19.0s	86.47	42	eP	P	07 32 33.8 +0.4	
RSSD	Black Hills						
RSSD	comp=Z,7.0nm,0.8s						
RSSD	comp=Z,2.2um,19.0s	86.47	42	P	P	07 32 33.7 +0.4	
RSSD	Black Hills baz=244						
U32A	Winter Ranch, U32A	86.85	51	PFAKE	LR	07 32 50.0 +1.5	
COCO	comp=Z,4.4um,19.0s	86.97	258	PFAKE	LR	07 32 50.0 +1.4	
COCO	West Island						
CBKS	comp=Z,3.3um,20.0s	87.23	48	eP	P	07 32 37.7 +0.7	
CBKS	Cedar Bluff comp=Z,1.4nm,0.9s				LR	LR	
CBKS	comp=Z,2.2um,20.0s	87.23	48	eP	P	07 32 37.7 +0.7	
CBKS	Cedar Bluff						
CBKS	comp=Z,1.4nm,0.9s				MLR	MLR	
CBKS	comp=Z,2.2um,20.0s	87.23	48	P	P	07 32 37.4 +0.4	
CBKS	Cedar Bluff baz=247						
IPM	lph	87.42	275	PFAKE	LR	07 32 50.0 +1.2	
IPM							
MAW	comp=Z,1.1um,19.0s	87.53	198	LR	LR	08 10 17.6	
MAW	Lawson comp=Z,4.4um,19.3s,baz=116,slow=34						
ENH	Enshi	87.54	302	eP	P	07 32 38.2 -0.4	
ENH							
HIA	comp=Z,1.1um,21.0s	87.82	323	LR	LR	07 32 39.3 -0.2	
HIA	Hailar comp=Z,1.5nm,1.1s						
HIA	comp=Z,4.4um,22.0s	87.82	323	eP	P	07 32 39.9 +0.4	
HIA	Hailar						
KULM	comp=Z,74nm,1.8s	88.00	276	PFAKE	LR	07 32 50.0 +8.8	
KULM	Kulim						
DGMT	comp=Z,2.2um,19.0s	88.28	38	eP	P	07 32 41.6 -0.1	
DGMT	Dagmar comp=Z,2.8nm,0.9s						
DGMT	comp=Z,3.3um,20.0s	88.28	38	P	P	07 32 42.4 +0.7	
DGMT	Dagmar baz=244						
INK	Inuvik	88.58	14	eP	P	07 32 42.1 -0.6	
INK	comp=Z,34nm,1.1s						
INK	comp=Z,2.2um,20.0s	88.58	14	eP	P	07 32 42.1 -0.6	
INK	Inuvik						
INK	comp=Z,34nm,1.1s						
INK	comp=Z,2.2um,20.0s	88.58	14	P	P	07 32 42.0 -0.6	
INK	Inuvik comp=Z,12nm,0.9s,baz=203,slow=6.2,SNR=27						
NATX	Nacogdoches	88.58	57	eP	P	07 32 43.1 -0.4	
NATX							
NATX	comp=Z,2.2um,20.0s	88.58	57	P	P	07 32 44.0 +0.5	
NATX	Nacogdoches baz=250						
GO06	Curarrehue	88.60	131	eP	P	07 32 46.2 +2.5	
GO06							
GO06	comp=Z,3.3um,22.0s	88.65	298	iP	P	07 32 46.6 +2.5	
GYA	Guiyang			PP	PP	07 36 49.5 +3.6	
GYA		88.65	298	SKS	SKS	07 43 11.8 -0.4	
GYA	Guiyang	88.65	298	S	SS	07 43 28.0 -1.7	
GYA	Guiyang	88.65	298	SS	SS	07 49 21.5 -0.1	
GYA							
GYA	comp=Z,20nm,1.0s						
GYA	comp=Z,120nm,7.7s						
GYA	comp=N,520nm,18.9s						
GYA	comp=E,550nm,18.4s						
GYA	comp=Z,500nm,16.6s						
PLCA	Paso Flores	88.88	132	eP	P	07 32 45.6 +0.6	
PLCA	Paso Flores comp=Z,1.9nm,0.8s						

PLCA	comp=Z,2.0nm,0.8s						
X37A	Clayton	88.97	54	PFAKE	LR	07 33 00.0 +1.5	
X37A							
TUL1	comp=Z,2.2um,18.0s	89.10	52	eP	P	07 32 46.1 +0.2	
TUL1	Leonard comp=Z,6.4nm,1.0s				LR	LR	
TUL1	comp=Z,3.3um,18.0s	89.10	52	P	P	07 32 46.2 +0.2	
TUL1	Leonard baz=250						
XAN	Xi'an	89.26	306	P	P	07 32 47.3 +0.6	
XAN				pP	pP	07 32 59.0 +1.7	
XAN				sP	sP	07 33 04.8 +7.7	
XAN				ppP	ppP	07 33 13.8 -3.9	
XAN	Xi'an	89.26	306	S	SKS	07 43 23.8 +8.5	
XAN	Xi'an	89.26	306	sS	sS	07 43 45.4 -2.4	
XAN							
XAN	comp=Z,14nm,1.9s						
XAN	comp=Z,500nm,7.2s						
XAN	comp=N,920nm,20.6s						
XAN	comp=E,540nm,19.5s						
XAN	comp=Z,1.1um,18.4s	89.26	306	eP	P	07 32 46.6 -0.1	
XAN	Xi'an comp=Z,6.0nm,0.8s						
XAN	comp=Z,1.1um,20.0s	89.26	306	eP	P	07 32 46.6 -0.1	
XAN	Xi'an						
XAN	comp=Z,6.0nm,0.8s						
XAN	comp=Z,1.1um,20.0s	89.26	306	eP	P	07 32 46.6 -0.1	
XAN	Xi'an						
BGNE	Belgrade	89.34	47	PFAKE	LR	07 33 00.0 +1.3	
BGNE							
MYIG	Mrida	89.41	68	PFAKE	LR	07 33 00.0 +1.2	
MYIG							
KSUI	comp=Z,2.2um,20.0s	89.61	49	PFAKE	LR	07 33 00.0 +1.2	
KSUI	Kansas State U						
HHC	comp=Z,2.2um,20.0s	89.66	313	eP	P	07 32 48.9 +0.4	
HHC	Hu-ho-hao-te						
HHC	comp=Z,2.2um,20.0s	89.66	313	eP	P	07 32 48.9 +0.4	
HHC	Hu-ho-hao-te						
HHC	comp=Z,6.0nm,0.6s						
HHC	comp=Z,460nm,6.2s						
HHC	comp=N,600nm,17.3s						
HHC	comp=E,640nm,19.0s						
HHC	comp=Z,960nm,19.9s						
YAK	Yakutsk	89.69	337	eP	P	07 32 47.8 -0.2	
YAK				ePP	ePP	07 32 58.0 -0.4	
YAK				eS	eS	07 36 20.5	
YAK				eSS	eSS	07 43 15.3 -1.1	
YAK							
YAK	comp=Z,10.0nm,0.9s						
YAK	comp=N,2.0nm,0.9s						
YAK	comp=E,2.0nm,1.0s						
YAK	comp=Z,329nm,5.3s						
YAK	comp=N,177nm,4.8s						
YAK	comp=E,221nm,4.3s						
YAK	comp=N,183nm,4.2s						
YAK	comp=E,148nm,4.9s						
GSI	Gunungsitoli	89.87	271	PFAKE	LR	07 33 00.0 +1.0	
GSI							
ESTN	Estel	90.27	77	PFAKE	LR	07 33 00.0 +8.1	
ESTN							
YKA	comp=Z,1.1um,22.0s	90.31	23	P	P	07 32 50.7 -0.2	
YKA	Yellowknife Ar comp=Z,4.4nm,0.7s,baz=43,slow=4.8,SNR=57						
YKA	comp=Z,0.2nm,0.7s,baz=43,slow=2.2,SNR=4.2						
YKA							
YKBS	Yellowknife Ar	90.31	23	eP	P	07 32 49.9 -1.0	
YKWS	Yellowknife Ar	90.35	23	eP	P	07 32 51.0 0.0	

FVM	French Village	93.83	52	eP	P	07 33 06.9	-0.9
FVM	comp=Z,3um,19.0s				LR	LR	
FVM	French Village	93.83	52	eP	P	07 33 06.9	-0.9
FVM	comp=Z,11nm,1.0s						
FVM					MLR	MLR	
N40A	Mertquake, Sal	93.84	49	P	P	07 33 08.1	+0.4
LZH	Lanzhou	93.85	306	↑P	P	07 33 06.2	-1.9
LZH	pp				P	07 33 12.1	-3.9
LZH	sp				P	07 33 15.3	-3.3
LZH	pp				P	07 36 51.5	+2.6
LZH	Lanzhou	93.85	306	SKS	SKS	07 43 48.7	+7.1
LZH	Lanzhou	93.85	306	S	S	07 44 13.8	-2.8
LZH	Lanzhou	93.85	306	SS	SS	07 50 29.0	-7.3
LZH	comp=Z,54nm,1.4s						
LZH	comp=Z,240nm,4.3s						
LZH	comp=N,1um,18.4s				LR	LR	
LZH	comp=E,2um,18.2s				LR	LR	
LZH	comp=Z,3um,19.5s				LR	LR	
P41A	Barry Barry	93.86	50	P	P	07 33 08.0	+0.1
L39A	Vinton	93.91	47	P	P	07 33 07.5	-0.6
PVMO	Portageville	93.94	53	PFAKE	LR	07 33 20.0	+1.2
W45A	Hickory Valley	93.98	55	P	P	07 33 09.2	+0.6
S43A	Fulton Ridge	93.98	52	P	P	07 33 09.0	+0.5
ULM	Lac du Bonnet	93.98	39	eP	P	07 33 07.3	-0.8
ULM	comp=Z,3um,20.0s				LR	LR	
ULM	Lac du Bonnet	93.98	39	eP	P	07 33 07.4	-0.8
ULM	comp=Z,10.0nm,1.0s						
ULM	comp=Z,3um,20.0s				MLR	MLR	
ULM	Lac du Bonnet	93.98	39	P	P	07 33 07.0	-1.1
ULM	comp=Z,5.8nm,1.0s,baz=256,slow=5.6,SNR=7.8				LR	08 08 48.8	
147A	Livingston	94.02	57	PFAKE	LR	07 33 20.0	+1.1
147A	comp=Z,2um,21.0s						
Q42A	Golden Eagle	94.02	51	P	P	07 33 09.2	+0.6
M40A	Post Highland	94.04	48	P	P	07 33 08.6	-0.1
O41A	Passleys Farm	94.12	50	P	P	07 33 09.1	+0.1
SLM	Saint Louis	94.17	51	PFAKE	LR	07 33 20.0	+1.1
K39A	Red Bud	94.17	47	P	P	07 33 08.8	-0.5
R43A	Red Bud	94.29	52	P	P	07 33 10.7	+0.8
SPMN	Marine on St.	94.31	44	eP	P	07 33 09.3	-0.5
SPMN	comp=Z,20nm,1.1s				LR	LR	
SPMN	Marine on St.	94.31	44	P	P	07 33 09.5	-0.3
N41A	Harden Midland	94.31	49	PFAKE	LR	07 33 20.0	+1.0
P42A	Winchester	94.36	50	eP	P	07 33 11.9	+1.7
P42A	comp=Z,25nm,1.1s				LR	LR	
P42A	Winchester	94.36	50	P	P	07 33 10.8	+0.7
OTAV	Otavalo	94.37	91	PFAKE	LR	07 33 20.0	+8.6
L40A	Anamosa	94.45	48	eP	P	07 33 10.4	-0.1
L40A	comp=Z,18nm,0.9s				LR	LR	
L40A	Anamosa	94.45	48	P	P	07 33 10.0	-0.5
J39A	Decorah	94.48	46	P	P	07 33 10.3	-0.4
H38A	Maiden Rock	94.49	45	P	P	07 33 10.7	0.0
349A	Repton	94.53	59	P	P	07 33 11.4	+0.3
BOD	Bodaibo	94.54	329	eP	P	07 33 05.8	-4.7
BOD	comp=Z,11nm,1.7s						
F37A	Hinrichs Farm	94.58	44	P	P	07 33 11.0	0.0
BRAL	Brewton	94.60	59	PFAKE	LR	07 33 20.0	+8.5
Q43A	New Douglas	94.66	51	P	P	07 33 11.6	+0.1
SIUC	Southern Illin	94.67	52	PFAKE	LR	07 33 20.0	+8.4
PB10	IPOC Station P	94.69	116	PFAKE	LR	07 33 20.0	+7.9
O42A	Bath	94.73	50	P	P	07 33 12.3	+0.4
M41A	Milan	94.73	48	P	P	07 33 12.3	+0.4
I39A	Houston	94.77	46	eP	P	07 33 13.3	+1.4
I39A	comp=Z,16nm,1.0s				LR	LR	
I39A	Houston	94.77	46	P	P	07 33 11.3	-0.6
PLAL	Pickwick Lake	94.81	55	PFAKE	LR	07 33 20.0	+7.7
T45A	Paducah	94.92	53	PFAKE	LR	07 33 20.0	+7.2
G48A	Ridgeland	94.93	45	P	P	07 33 11.8	-0.8
N42A	Yates City	94.94	49	P	P	07 33 12.8	0.0
G002	Mina Guanaco	94.96	118	PFAKE	LR	07 33 30.0	+1.6
L41A	Preston	94.97	48	P	P	07 33 13.8	+0.9
V46A	Holladay	95.00	54	P	P	07 33 13.9	+0.7
LRLAL	Lakeview Retre	95.14	57	PFAKE	LR	07 33 30.0	+1.6
F38A	Pierce - Schro	95.15	44	P	P	07 33 14.1	+0.4
Q44A	Meyer Farm, Va	95.16	51	PFAKE	LR	07 33 30.0	+1.6
H39A	Augusta	95.17	45	P	P	07 33 14.2	+0.4
J40A	Soldiers Grove	95.17	46	P	P	07 33 13.3	-0.5
K41A	Shullsburg	95.25	47	P	P	07 33 14.3	+0.1
WVT	Waverly	95.31	54	PFAKE	LR	07 33 30.0	+1.5
WVT	comp=Z,2um,20.0s				LR	LR	
JFWS	Jewell Farm	95.38	47	eP	P	07 33 14.1	-0.6
JFWS	comp=Z,17nm,0.8s				LR	LR	
JFWS	Jewell Farm	95.38	47	P	P	07 33 15.5	+0.7
BCIP	Isla Barro Col	95.40	82	PFAKE		07 33 30.0	+1.5

BCIP	comp=Z,900nm,22.0s						
I40A	Norwalk	95.40	46	P	P	07 33 15.5	+0.6
HDIL	Hopedale	95.41	50	PFAKE	LR	07 33 30.0	+1.5
HDIL	comp=Z,3um,20.0s						
G39A	Holcombe	95.43	45	P	P	07 33 15.5	+0.5
PB04	IPOC Station P	95.43	115	PFAKE	LR	07 33 30.0	+1.4
PB04	comp=Z,1um,20.0s						
250A	Grady	95.46	58	PFAKE	LR	07 33 30.0	+1.5
250A	comp=Z,900nm,22.0s						
SONA1	Songino Array	95.47	318	eP	P	07 33 14.0	-1.2
SONA0	Songino Array	95.47	318	eP	P	07 33 13.7	-1.5
SONA0	comp=Z,1.1nm,0.8s,baz=137,slow=4.2,SNR=9.7						
SONM	Songino Array	95.47	318	P	P	07 33 13.7	-1.5
SONM	comp=Z,1.3nm,1.0s,baz=114,slow=5.4,SNR=4.2						
X48A	Hartselle	95.48	56	PFAKE	LR	07 33 30.0	+1.5
X48A	comp=Z,3um,20.0s						
T46A	Princeton	95.50	53	P	P	07 33 15.8	+0.4
451A	Vernon	95.54	60	PFAKE	LR	07 33 30.0	+1.4
451A	comp=Z,1um,20.0s						
L42A	Oliver, Polo	95.54	48	PFAKE	LR	07 33 30.0	+1.4
L42A	comp=Z,2um,18.0s						
L42A	Oliver, Polo	95.54	48	P	P	07 33 15.7	+0.2
TIXI	Tiksi	95.54	344	eP	P	07 33 14.4	-0.4
TIXI	comp=Z,5.5nm,1.0s				LR	LR	
TIXI	Tiksi	95.54	344	eP	P	07 33 15.2	+0.4
TIXI	comp=Z,8.0nm,1.7s						
R45A	Skyler, Fairri	95.54	52	P	P	07 33 16.0	+0.4
E38A	The Farm, Brul	95.56	43	PFAKE	LR	07 33 30.0	+1.5
E38A	comp=Z,3um,20.0s						
E38A	The Farm, Brul	95.56	43	P	P	07 33 15.9	+0.4
Z49A	Columbiana	95.56	57	P	P	07 33 16.4	+0.6
J41A	Loganville	95.67	47	P	P	07 33 16.2	+0.1
H40A	Chill	95.77	45	P	P	07 33 16.6	+0.1
F39A	Loretta	95.78	44	P	P	07 33 16.3	-0.2
OLIL	Olney	95.80	52	PFAKE	LR	07 33 30.0	+1.3
OLIL	comp=Z,3um,20.0s						
U47A	Clarksburg	95.81	54	P	P	07 33 17.4	+0.5
Y49A	Blount Mountai	95.83	57	PFAKE	LR	07 33 30.0	+1.3
USIN	University of	95.92	52	PFAKE	LR	07 33 30.0	+1.3
I41A	Arkdale	95.97	46	eP	P	07 33 18.9	+1.5
I41A	comp=Z,2um,20.0s				LR	LR	
I41A	Arkdale	95.97	46	P	P	07 33 18.0	+0.6
K42A	Prairie Point	95.98	47	P	P	07 33 18.1	+0.6
EYMN	Ely	95.98	42	PFAKE	LR	07 33 30.0	+1.3
V48A	Smith Brothers	96.00	55	PFAKE	LR	07 33 30.0	+1.2
TRQA	Torquist	96.03	132	PFAKE	LR	07 33 30.0	+1.2
Z50A	Ashland	96.07	57	PFAKE	LR	07 33 30.0	+1.2
G40A	Rib Lake	96.08	45	eP	P	07 33 19.5	+1.6
G40A	comp=Z,14nm,1.1s				LR	LR	
G40A	Rib Lake	96.08	45	P	P	07 33 18.4	+0.5
E39A	Mellen	96.15	44	P	P	07 33 18.8	+0.6
H41A	Junction City	96.27	46	eP	P	07 33 20.3	+1.5
H41A	comp=Z,2um,19.0s				LR	LR	
H41A	Junction City	96.27	46	P	P	07 33 19.2	+0.4
W49A	Belvidere	96.28	55	P	P	07 33 19.3	+0.3
P45A	Graceland, Par	96.28	51	PFAKE	LR	07 33 30.0	+1.1
J42A	Columbus	96.29	47	P	P	07 33 19.6	+0.7
F40A	Par Falls	96.31	44	P	P	07 33 18.9	-0.1
U48A	Cassie Pea, Po	96.41	54	P	P	07 33 20.7	+1.1
LVC	Limon Verde	96.41	116	PFAKE	LR	07 33 30.0	+1.0
PB01	IPOC Station P	96.44	114	PFAKE	LR	07 33 30.0	+1.0
352A	Blakely	96.44	59	PFAKE	LR	07 33 30.0	+1.0
M44A	Midewin, Midew	96.54	49	PFAKE	LR	07 33 30.0	+1.0
I42A	Draeger Farm	96.59	46	PFAKE	LR	07 33 30.0	+1.0
K43A	Burlington	96.68	48	PFAKE	LR	07 33 30.0	+9.3
PB11	IPOC Station P	96.71	113	PFAKE	LR	07 33 30.0	+8.4
453A	Whigham	96.79	60	PFAKE	LR	07 33 30.0	+8.6
152A	Waverly Hall	96.91	58	PFAKE	LR	07 33 30.0	+8.1
F41A	Three Lakes	96.95	45	eP	P	07 33 23.6	+1.8
F41A	comp=Z,3um,22.0s				LR	LR	
F41A	Three Lakes	96.95	45	P	P	07 33 23.1	+1.2
MMNC	Minye Minye	96.97	112	PFAKE	LR	07 33 30.0	+7.0
SFIN	Lafayette	96.98	50	PFAKE	LR	07 33 30.0	+7.9
U49A	Red Boiling Sp	97.01	54	P	Pdf</		







Table with columns: Code, Station Name, Az, El, P, Max, Res, and various station identifiers like YKBS, DGMT, NV01, etc.

ISC 07 07:40:01.5:2.0, 46.82N:155.89E, h0km, mb3.7/8, mb1 3.9/10, mb1mx3.6/5.7, mbtmp3.8/10, ML3.4/2, Error ellipse: s-maj=52.4km s-min=21.0km az=169.0

ISCJB 07 07:40:02.7:0.9, 47.09N:155.2E:0.1, h18km, mb3.7/9, Error ellipse: s-maj=15.0km s-min=4.2km az=135.2

SKHL 07 07:40:04.8:0.4, 46.99N:155.42E, h53km, mb4.2/6, MOS 07 07:40:05.7:2.4, 46.82N:155.51E, h55km, mb4.1/4, Error ellipse: s-maj=16.2km s-min=11.2km az=50.8

ISC 07 07:40:04.5:1.1, 47.00N:155.4E:0.1, h18km, n27, az=121/35, mb3.5/9, East of Kuril Islands

Main table with columns: Code, Station Name, Az, El, P, Max, Res, and various station identifiers like SKR, PAU, KUR, PETK, etc.

Table with columns: Code, Station Name, Az, El, P, Max, Res, and various station identifiers like KURK, KURKB, YKA, etc.

ISCJB 07 07:40:46.5:1.9, 34.72S:0.06:72.7W:0.1, h7km, 10km, Error ellipse: s-maj=16.7km s-min=8.3km az=16.9

GUC 07 07:40:50.0:0.5, 34.71S:72.57W, h37km, 2km, ML3.6

ISC 07 07:40:45.4:2.9, 34.68S:0.06:72.9W:0.1, h3km, 13km, n17, az=329/24, 1C-2D, Near coast of central Chile

Table with columns: Code, Station Name, Az, El, P, Max, Res, and various station identifiers like CHPI, CCHI, ROCH, etc.

ISC 07 07:41:36.7:3.2, 23.51S:179.83W, h0km, mb3.6/4, mb1 3.9/4, mb1mx3.6/3.2, mbtmp3.6/4, Error ellipse: s-maj=280.3km s-min=34.8km az=166.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, El, P, Max, Res, and various station identifiers like CTA, ASAR, WRA, etc.

ISC 07 07:43:39.7:1.3, 11.54S:164.90E, h0km, mb3.8/5, mb1 4.0/6, mb1mx3.7/39, mbtmp3.8/6, ML3.4/1, Error ellipse: s-maj=47.1km s-min=27.0km az=129.0

ISCJB 07 07:43:43.0:1.0, 11.7S:0.1:164.9E:0.2, h34km, mb3.7/5, Error ellipse: s-maj=28.6km s-min=19.7km az=6.7

ISC 07 07:43:44.7:1.0, 11.6S:0.1:164.9E:0.2, h34km, n6, az=15/16, mb3.6/5, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, El, P, Max, Res, and various station identifiers like DZM, WRA, ASAR, etc.

ISC 07 07:43:59.6:3.8, 11.38S:165.13E, h0km, mb3.7/3, mb1 4.0/3, mb1mx3.5/39, mbtmp3.7/3, Error ellipse: s-maj=183.0km s-min=34.5km az=139.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, El, P, Max, Res, and various station identifiers like WRA, ASAR, ILAR, etc.

SOME 07 07:47:31.0:4.2, 52N:79.60E, h15km

KRNET 07 07:47:31.6:0.1, 42.59N:79.57E, h13km, mb2.6

NINC 07 07:47:32.0:1.0, 42.59N:79.58E, h0km, mb3.0, mpv2.7, Error ellipse: s-maj=7.1km s-min=3.6km az=151.0

ISC 07 07:47:30.9:1.8, 42.56N:0.05:79.59E:0.06, h12km, 13km, n52, az=99/92, 11C-4D, Lake Issyk-Kul region

Main table with columns: Code, Station Name, Az, El, P, Max, Res, and various station identifiers like SHLS, UZB, DZM, etc.

Main table with columns: Code, Station Name, Az, El, P, Max, Res, and various station identifiers like SATY, KURS, DJR, etc.



TKM2 Tokmak 2 2.96 278 ↑P Pb 07 48 21.9 -1.9
TKM2 baz=78 ↑S Sb 07 48 58.8 -1.2

IDC 07 07:53:49.4-2.7, 54.18N-86.28E, h0km, mb1 2.6/2,
mb1mx2.5/57, mbtmp2/2, ML2/32, Error ellipse:
s-maj=21.0km s-min=13.4km az=52.0, Southwestern
Siberia

MEX 07 07:54:14.4-0.6, 15.01N-91.95W, h153km, 12km, MD3.6,
Mexico-Guatemala border region

IDC 07 07:56:55.0-0.5, 29.36N-142.30E, h0km, mb4.2/28,
mb1 4.3/31, mb1mx4.3/54, mbtmp4.2/31, ML3.1/4, Error
ellipse: s-maj=16.0km s-min=11.3km az=88.0

Code Station Name Δ° AZ° Phase ID Time Res
CCIG Comitan 1.28 352 eP Pn 07 54 41.0 -1.2

IDC 07 07:56:55.0-0.5, 29.36N-142.30E, h0km, mb4.2/28,
mb1 4.3/31, mb1mx4.3/54, mbtmp4.2/31, ML3.1/4, Error
ellipse: s-maj=16.0km s-min=11.3km az=88.0

Code Station Name Δ° AZ° Phase ID Time Res
CBIJ Chichi jima 2.29 182 eP Pn 07 57 34.5 -0.5

Code Station Name Δ° AZ° Phase ID Time Res
BSO1 Boso 1 5.36 349 eP Pn 07 58 15.3 -1.3

Code Station Name Δ° AZ° Phase ID Time Res
MAJO Matsushiro 7.90 336 eP Pn 07 58 52.8 +0.7

Code Station Name Δ° AZ° Phase ID Time Res
KAWA Kawauchi 8.04 352 eP Pn 08 00 17.6 -3.1

Code Station Name Δ° AZ° Phase ID Time Res
KARAR Karatay Array 57.81 305 eP Pn 08 06 48.3 +0.1

Code Station Name Δ° AZ° Phase ID Time Res
PULU Putau Batu 0.39 226 eP Pn 08 03 41.4 +0.4

ANM Name 47.89 27 eP P 08 05 36.3 +1.7
MK01 Makanchi Array 49.08 308 eP P 08 05 44.5 +0.5

WRAB Tennant Creek 49.63 190 eP P 08 05 47.9 -0.5
WB2 Warramunga Arr 49.64 190 eP P 08 05 48.0 -0.4

AS01 Alice Springs 53.35 190 eP P 08 06 11.8 +0.2
AS31 Alice Springs 53.36 190 eP P 08 06 15.8 -0.4

ILAR Eielson Array 56.68 29 eP P 08 06 32.7 +0.1
BRVK Borovoy 56.48 316 eP P 08 06 38.8 +0.3

STKA Stephens Creek 60.94 181 eP P 08 07 09.5 -0.1
ARU Arti 66.84 322 eP P 08 07 21.1 0.0

YKBS Yellowknife Ar 70.10 29 eP P 08 08 10.3 +1.7
ARAO ARCESS Array S 71.40 341 eP P 08 08 17.0 +0.6

KBZ Khabaz 76.50 313 eP P 08 08 47.4 +0.7
NV01 Mina Array Sit 79.05 52 eP P 08 09 02.3 +0.9

PSUT Pine Spring 82.03 50 eP P 08 09 18.7 +1.4
PDAR Pinedale Array 82.54 45 eP P 08 09 21.4 +1.5

TXAR Lajitas Array 94.18 53 eP P 08 10 14.4 -1.6
TOA1 Torodi Ar. Sit 123.10 312 eP P P 08 15 52.9 -1.1

Code Station Name Δ° AZ° Phase ID Time Res
MBSI Mandailing Nat 1.46 318 eP Pn 08 03 55.3 +0.2

Code Station Name Δ° AZ° Phase ID Time Res
MNSI Mandailing Nat 1.46 318 eP Pn 08 03 55.3 +0.2

MDSI Maura Dua 7.30 130 P Pn 08 05 16.4 +1.1
CISI Cisomet, Garu 12.04 130 eP Pn 08 06 15.3 -4.8

CHTO Chiang Mai 18.49 1 eP P 08 07 39.3 -0.2
KMK Kota Khabalu 18.55 71 eP P 08 07 42.5 -1.7

SHL Shillong 26.01 346 eP P 08 08 59.0 -1.0
SHL Shillong 26.01 346 eP P 08 08 58.0 -2.0

GYA Guiyang 27.23 163 ↑P P 08 09 11.0 +0.1
GYA Guiyang 27.23 163 ↑P P 08 09 23.6 +0.2

WHN Wuhan 33.69 25 ↑P P 08 10 16.0 +8.3
XAN Xian 35.02 15 P P 08 10 18.3 -1.1

LZH Lanzhou 36.03 7 ↑P P 08 10 29.0 +1.0
LZH Lanzhou 36.03 7 ↑P P 08 10 42.1 +1.4

NJ2 Nanjing 37.02 29 eP P 08 10 37.0 +0.6
NJ2 Nanjing 37.02 29 eP P 08 10 37.0 +0.6

GTA Gaotai 39.02 2 ↑P P 08 10 53.2 -0.1
GTA Gaotai 39.02 2 ↑P P 08 11 02.7 -3.4

WMQ Urumqi 44.48 349 P P 08 11 39.3 +1.5
WMQ Urumqi 44.48 349 P P 08 11 48.9 -1.9

WMQ Wuzhou 45.38 338 eP P 08 11 45.5 +0.1
NRR Naryn 45.82 336 eP P 08 11 49.0 +0.1

MSI Mankanchi Array 45.88 33 eP P 08 11 47.9 -1.0
MSI Mankanchi Array 45.91 33 eP P 08 11 48.2 -1.0

MAJO	Matsushiro	51.52	41	eP	P	08 12 30.7	-1.6
MAT	Matsushiro	51.52	41	P	P	08 12 30.5	-1.8
MJAR	Matsushiro Arr	51.52	41	P	P	08 12 30.7	-1.6
comp=Z,7.3nm,0.8s,baz=223,slow=7.6,SNR=11							
MJAR		comp=Z,1.1m,21.7s,baz=140,slow=37	LR			08 35 07.5	
GEYT	Alibek	52.83	320	P	P	08 12 41.6	-0.4
comp=Z,1.4nm,0.4s,baz=143,slow=7.3,SNR=2.6							
USRK	Ussuriysk Ar.	52.93	30	P	P	08 12 42.1	-0.5
comp=Z,2.9nm,0.8s,baz=232,slow=5.7,SNR=26							
OPO	Abkhadratompt	53.77	247	P	P	08 12 50.7	+1.3
comp=Z,4.1nm,0.8s,baz=74,slow=14,SNR=4.1							
ZAAO	Zalesovo Array	54.74	350	eP	P	08 12 55.2	-0.4
comp=Z,2.9nm,0.8s							
ZALV	Zalesovo Beam	54.74	350	eP	P	08 12 55.2	-0.4
ZALV	Zalesovo Beam	54.74	350	P	P	08 12 55.6	0.0
comp=Z,6.7nm,0.5s,baz=173,slow=7.0,SNR=20							
ZAA1	Zalesovo Array	54.75	350	eP	P	08 12 55.6	0.0
KLR	Kul'dur	56.54	30	P	P	08 13 07.8	-0.8
comp=Z,1.3nm,0.9s,baz=234,slow=7.2,SNR=27							
ABKAR	Abkudak array	59.02	332	eP	P	08 13 25.1	-0.9
comp=Z,6.9nm,0.8s							
KMBO	Kilima Mbogo	61.32	269	P	P	08 13 44.6	+1.9
comp=Z,2.2nm,0.4s,baz=87,slow=9.0,SNR=7.6							
KBZ	Khabaz	65.70	319	P	P	08 14 10.8	0.0
comp=Z,4.7nm,0.8s,baz=114,slow=6.0,SNR=9.8							
NR1K	Noril'sk	69.40	356	P	P	08 14 32.9	-0.8
comp=Z,2.7nm,0.6s,baz=173,slow=6.0,SNR=4.5							
BR101	Keskin Array S	70.72	312	eP	P	08 14 41.5	-1.4
BR131	Keskin Array S	70.77	312	eP	P	08 14 41.9	-1.0
comp=Z,3.4nm,0.7s							
BRTR	Keskin Array B	70.77	312	P	P	08 14 41.5	-1.4
comp=Z,2.8nm,0.7s,baz=92,slow=6.8,SNR=18							
BOSA	Boshof	75.47	240	P	P	08 15 10.8	-0.1
BOSA	Boshof	75.47	240	P	P	08 15 12.0	+1.1
comp=Z,4.4nm,0.9s,baz=62,slow=5.3,SNR=5.5							
AKASO	Main Array	76.86	322	eP	P	08 15 16.9	-1.2
comp=Z,1.6nm,0.6s,baz=89,slow=4.9,SNR=8.0							
KIEV	Kiev	77.87	327	eP	P	08 15 17.0	-1.1
VRI	Vrinciovia	77.26	317	eP	P	08 15 20.6	+0.1
PLOR	Plostina	77.31	317	eP	P	08 15 21.4	+0.6
MLR	Muntele Rosu	77.71	317	eP	P	08 15 22.9	-0.3
comp=Z,2.3nm,0.9s							
MLR	Muntele Rosu	77.71	317	eP	P	08 15 23.3	+0.1
VOIR		78.31	316	eP	P	08 15 26.0	-0.5
BURAR	Bucovina Array	78.66	319	eP	P	08 15 28.8	+0.5
BUR0A	Bucovina Ar. S	78.66	319	eP	P	08 15 28.6	+0.3
BUR0B	Bucovina Ar. S	78.66	319	eP	P	08 15 28.9	+0.5
VTS	Vitosh	79.07	313	eP	P	08 15 30.3	-0.5
SYO	Syowa Base	79.50	198	eP	P	08 15 34.2	+1.9
TRPA	Tarpa	80.52	319	eP	P	08 15 37.8	-0.5
BZS	Buzias	80.72	316	eP	P	08 15 39.2	-0.2
BKZ	Black Stump Fm	80.79	130	eP	P	08 15 39.5	-0.5
comp=Z,12nm,0.9s							
URZ	Urewera	81.15	129	P	P	08 15 42.7	+0.9
comp=Z,3.9nm,0.7s,baz=243,slow=18,SNR=2.3							
FIAD	FINESS Array S	81.49	332	eP	P	08 15 42.9	-0.3
FINES	FINESS Array B	81.49	332	eP	P	08 15 42.9	-0.3
comp=Z,2.2nm,0.6s,baz=110,slow=5.1,SNR=8.1							
ARAO	ARCESS Array S	83.91	340	eP	P	08 15 55.4	-0.2
ARCE	ARCESS Array B	83.91	340	eP	P	08 15 55.4	-0.2
comp=Z,0.8nm,0.7s,baz=98,slow=5.4,SNR=8.7							
GEAO	GERESS Array S	86.44	319	P	P	08 16 08.5	-0.3
GERES	GERESS Array B	86.44	319	P	P	08 16 08.5	-0.3
comp=Z,0.5nm,0.5s,baz=76,slow=5.6,SNR=6.6							
CLL	Collim	87.04	321	eP	P	08 16 12.0	+0.4
ULM	Lac du Bonnet	128.23	12	PKP	PKP	08 22 31.8	-0.6
comp=Z,0.9nm,0.5s,baz=133,slow=3.2,SNR=3.2							
NVAR	Mina Array Bea	128.76	37	PKP	PKP	08 22 31.9	-2.1
comp=Z,0.2nm,0.6s,baz=170,slow=0.9,SNR=2.7							
PDAR	Pinedale Array	130.31	27	PKP	PKP	08 22 34.9	-2.0
comp=Z,0.4nm,0.8s,baz=191,slow=0.5,SNR=2.7							
PDAR		comp=Z,1.4nm,0.9s,baz=202,slow=0.5,SNR=7.4	SKPbc	SKPab		08 25 52.3	-3.8
BDFB	Brasilia	143.62	243	PKP	PKP	08 22 59.1	-0.3
comp=Z,4.1nm,0.6s,baz=136,slow=3.1,SNR=4.7							
TXAR	Lajitas Array	143.75	34	PKP	PKP	08 23 00.0	+0.6
comp=Z,0.4nm,0.6s,baz=181,slow=1.4,SNR=5.7							
TXAR		comp=Z,0.7nm,0.8s,baz=302,slow=2.0,SNR=4.8	SKPbc	SKPbc		08 26 34.5	-2.3
TKL	Tuckers C	145.23	3	PKP	PKP	08 23 00.1	-0.1
comp=Z,1.8nm,0.5s,baz=288,slow=9.9,SNR=1.9							
X48A	Hartsele	145.12	8	ePKPbc	PKPbc	08 23 03.0	-0.4
HODGE	Hodges	145.72	1	ePKP	PKP	08 23 04.6	-0.4
Y49A	Blount Mountai	145.78	7	ePKP	PKP	08 23 04.6	-0.6
Y52A	Lilburn	146.01	4	ePKP	PKP	08 23 05.8	+0.3
Y52A	Waverly Hall	147.15	5	ePKP	PKP	08 23 07.6	+0.1

DZM		23mu,24.1s	eLR	LR		08 08 51.6	
DZM	Mont Dzumac	11.03	172	ePn	Pn	08 06 19.9	+0.7
DZM	Mont Dzumac	11.03	172	Pn	Pn	08 06 18.7	+3.1
ASAR		48nm,0.3s,baz=6.9,slow=14,SNR=265	P	P		08 06 20.3	+1.2
DZM		4.3nm,0.3s,baz=326,slow=20,SNR=1.3	Sn	Sn		08 08 18.4	-3.4
PINN	Pines Island,	11.73	168	ePn	Pn	08 06 29.4	+0.7
PINN		424nm,1.2s	eSn	Sn		08 08 34.2	-4.7
RABL	Rabaul	14.28	298	ePn	Pn	08 07 03.3	-0.3
FUNA	Funafuti	14.41	81	ePn	Pn	08 07 05.8	+0.3
MSVF	Nonsavu	14.42	119	ePn	Pn	08 07 06.1	+0.5
MSVF	Nonsavu	14.42	119	ePn	Pn	08 07 06.1	+0.5
TARA	Tarawa	14.77	34	ePn	Pn	08 07 07.0	-0.4
PATS	Pohnpei	18.95	340	P	Pn	08 08 05.9	+2.8
baz=19,SNR=4.0							
PATS	Pohnpei	18.95	340	eP	P	08 08 02.2	-0.1
EIDS	Eidsvold	19.24	221	eP	Pn	08 08 08.4	+1.8
baz=19,SNR=9.4							
EIDS	Eidsvold	19.24	221	eP	Pn	08 08 07.2	+0.6
424nm,1.2s							
MANU	Manus Island	19.50	296	eP	P	08 08 08.2	-0.2
318nm,1.0s							
CTA	Charters Tower	19.96	241	eP	P	08 08 15.5	+0.3
307nm,1.0s,baz=67,slow=13,SNR=61							
CTA		comp=Z,8um,21.6s,baz=58,slow=32	eP	Pn		08 14 18.3	
CTAO	Charters Tower	19.96	241	eP	Pn	08 08 15.1	-0.1
522nm,1.1s							
CTAO	Charters Tower	19.96	241	eP	Pn	08 08 15.1	-0.1
comp=Z,522nm,1.1s							
KWAJ	Kwajalein Atol	19.97	8	eP	P	08 08 14.0	+0.6
comp=Z,530nm,0.6s							
KWAJ	Kwajalein Atol	19.97	8	eP	P	08 08 14.0	+0.6
comp=Z,530nm,0.6s							
KWAJ		21.01	248	P	P	08 08 26.5	+1.7
baz=21,SNR=216							
COEN	Coen	21.30	260	P	P	08 08 28.7	+0.8
baz=21,SNR=146							
COEN	Coen	21.30	260	P	P	08 08 28.4	+0.4
comp=Z,196nm,1.0s							
COEN		21.52	222	LR	LR	08 08 32.6	+2.3
comp=Z,13um,21.0s							
ARMA	Armidale	22.79	211	P	P	08 08 45.6	+1.7
baz=22,SNR=32							
ARMA	Armidale	22.79	211	eP	P	08 08 44.7	+0.8
comp=Z,198nm,1.4s							
ARMA		24.22	141	LR	LR	08 08 17.2	3.3
baz=24,SNR=15							
RAO	Raoul Island	24.22	141	LR	LR	08 08 17.2	3.3
comp=Z,2um,21.0s,baz=316,slow=34							
KNTN	Kanton	24.71	72	eP	P	08 09 02.5	+0.2
comp=Z,232nm,1.0s							
QLP	Quilpie	24.76	229	P	P	08 09 03.9	+1.1
baz=25,SNR=23							
Ouz	Omahuta	25.31	163	eP	P	08 09 09.1	+1.5
comp=Z,80nm,1.0s							
MJCD	Managrove Creek	25.35	208	P	P	08 09 10.0	+2.1
baz=25,SNR=7.9							
YAGP	Jayapura	25.85	288	P	P	08 09 07.1	-1.4
RIV	Riverview	25.84	207	P	P	08 09 16.0	+3.5
QIS	Qais	25.97	246	P	P	08 09 13.8	+0.0
baz=26,SNR=146							
CMSA	Cobar Meteorol	26.94	218	P	P	08 09 23.6	+1.2
baz=27,SNR=28							
YNG	Young	27.53	210	P	P	08 09 29.6	+1.9
baz=28,SNR=10.0							
CNB	Canberra Magnet	27.89	208	P	P	08 09 32.7	+1.7
baz=28,SNR=6.8							
CAN	Canberra	28.07	208	PFAKE	LR	08 09 40.0	+7.5
CAN		29.01	158	eP	P	08 09 40.8	0.0
comp=Z,3um,18.0s							
MXZ	Matakaoa Point	29.01	158	eP	P	08 09 43.7	+1.1
comp=Z,7.4nm,0.7s							
URZ	Urewera	29.21	160	eP	P	08 09 44.3	+1.1
comp=Z,116nm,1.4s							
URZ	Urewera	29.21	160	eP	P	08 09 44.4	+1.8
comp=Z,25nm,0.6s,baz=100,slow=3.0,SNR=12							
URZ		29.44	206	P	P	08 09 48.6	+3.9
comp=Z,4um,18.8s,baz=350,slow=33							
MILA	Mila	29.44	206	P	P	08 09 48.6	+3.9
baz=30,SNR=3.8							
H1S2	WAKE ISLAND Hy	29.46	4	T	T	08 40 50.8	
baz=184,slow=76,SNR=324							
H1S3	WAKE ISLAND Hy	29.46	4	T	T	08 40 51.1	
baz=184,slow=76,SNR=314							
H1S1	WAKE ISLAND Hy	29.48	4	T	T	08 40 46.5	
baz=184,slow=76,SNR=349							
STKA	Stephens Creek	29.77	222	P	P	08 09 48.5	+0.9
baz=30,SNR=23							
STKA	Stephens Creek	29.77	222	eP	P	08 09 48.1	+0.4
comp=Z,8.3nm,0.9s							
STKA		29.77	222	LR	LR	08 09 48.1	+0.4
comp=Z,1um,20.0s							
STKA	Stephens Creek	29.77	222	eP	P	08 09 48.1	+0.4
comp=Z,8.0nm,0.9s							
STKA		29.77	222	MLR	MLR	08 09 48.6	+0.9
comp=Z,1um,20.0s							
STKA	Stephens Creek	29.77	222	P	P	08 09 48.6	+0.9
comp=Z,9.8nm,0.7s,baz=51,slow=11,SNR=28							
STKA		29.82	162	eP	P	08 10 52.0	+0.8
comp=Z,2.0nm,0.8s,baz=334,slow=2.9,SNR=6.2							
BKZ	Black Stump Fm	29.83	162	eP	P	08 09 45.9	+1.3
comp=Z,50nm,0.6s							
WAKE	Wake Island	30.24	3	PFAKE	LR	08 10 00.0	+8.2
WAKE		30.58	250	eP	P	08 09 54.2	-0.8
comp=Z,2.4um,19.0s							



ZEA	comp=Z,2um,8.0s	MLR	MLR						
ZEA	comp=E,1um,15.0s								
BTO	comp=Z,1um,15.0s								
LZH	Baotou	72.12 319	eP	P	08 15 06.3 +0.8				
LZH	Lanzhou	74.11 313	uP	P	08 15 18.5 +1.0				
LZH			pP	pP	08 15 24.9 -0.8				
LZH			sP	ppP	08 15 27.0 -2.9				
LZH			PP	PP	08 18 05.0 +1.7				
LZH			S	S	08 24 54.6 +5.2				
LZH			sS	sS	08 25 00.6 +1.0				
LZH	comp=Z,200nm,1.4s		pmax	pmax					
LZH	comp=Z,700nm,4.9s								
LZH	comp=Z,2um,16.3s		LR	LR					
LZH	comp=Z,2um,18.4s		LR	LR					
LZH	comp=Z,3um,19.6s		LR	LR					
SEY	Seymchan	74.43 354	iP	P	08 15 18.5 0.0				
CIT	Chita	76.75 330	e	P	08 15 32.6 +0.5				
CIT			e		08 15 39.4				
CIT			e		08 15 42.6				
CIT			e		08 15 48.3				
GAMB	comp=Z,384nm,1.2s		pmax	pmax					
GAMB	Gambell	76.78 10	eP	P	08 15 32.4 +0.5				
GAMB	comp=Z,34nm,0.8s		LR	LR					
KDAK	comp=Z,800nm,22.0s								
KDAK	Kodiak Island	76.97 22	eP	P	08 15 33.7 +0.6				
KDAK	Kodiak Island	76.97 22	eP	P	08 15 33.7 +0.6				
KDAK	comp=Z,39nm,1.1s		pmax	pmax					
ULN	comp=Z,39nm,1.1s								
YAK	Ulanbatar	77.80 324	P	P	08 15 38.8 +0.6				
YAK	Yakutsk	77.89 344	dIP	P	08 15 37.9 -0.3				
YAK			e		08 15 45.4				
YAK			e	PcP	08 15 47.7 -0.2				
YAK			e	S	08 18 35.1				
YAK			e	SS	08 25 33.8 +4.2				
YAK			e	SS	08 25 46.9 -3.4				
YAK			e		08 25 56.1				
YAK	comp=Z,101nm,1.1s		pmax	pmax					
YAK	comp=E,20nm,1.0s		pmax	pmax					
YAK	comp=N,33nm,1.1s		pmax	pmax					
YAK	comp=Z,364nm,5.2s		pmax	pmax					
YAK	comp=E,317nm,4.4s		pmax	pmax					
YAK	comp=N,342nm,4.4s		pmax	pmax					
YAK	comp=N,190nm,5.0s		smx	smx					
YAK	comp=E,164nm,4.1s		MLR	MLR					
YAK	comp=Z,1um,16.0s		MLR	MLR					
YAK	comp=E,545nm,16.0s		MLR	MLR					
SONAO	comp=N,679nm,17.0s		MLR	MLR					
SONAO	Songino Array	78.16 324	eP	P	08 15 40.8 +0.6				
SONM	Songino Array	78.16 324	eP	P	08 15 40.8 +0.6				
SONM	comp=N,88nm,1.2s,baz=142,slow=4.3,SNR=79		PKK	PKK	08 34 42.5 +0.9				
SONM	comp=N,0.3nm,0.5s,baz=279,slow=1.5,SNR=9.9		PKKPP	PKKPP	08 42 43.6				
SONM	comp=N,1.1nm,0.8s,baz=132,slow=2.2,SNR=7.0		LR	LR	08 47 57.4				
SONM	comp=N,1um,22.0s,baz=124,slow=34		LR	LR					
SONA1	Songino Array	78.16 324	eP	P	08 15 40.0 -0.2				
GTA	Gaotai	78.43 314	uP	P	08 15 42.8 +0.9				
GTA			pP	pP	08 15 46.6 -1.4				
GTA			sP	sP	08 15 49.1 -1.1				
GTA			S	S	08 25 37.7 +1.0				
GTA			sS	sS	08 25 45.0 +1.1				
GTA	comp=N,95nm,1.5s		pmax	pmax					
GTA	comp=N,960nm,5.1s		LR	LR					
GTA	comp=N,1um,21.3s		LR	LR					
GTA	comp=N,1um,21.9s		LR	LR					
SVW2	comp=N,2um,21.6s								
SVW2	Sparrehov	78.45 18	eP	P	08 15 41.6 +0.2				
ANM	comp=N,53nm,1.1s								
ANM	Nome	78.74 13	eP	P	08 15 43.2 +0.3				
ANM	comp=N,50nm,1.4s								
ANM	Nome	78.74 13	eP	P	08 15 43.2 +0.3				
RSO	comp=Z,50nm,1.4s		pmax	pmax					
RSO	Redoubt South	78.88 20	eP	P	08 15 43.5 -0.5				
QSPA	South Pole Qui	78.91 180	eP	P	08 15 44.2 +0.2				
BILL	comp=Z,104nm,0.9s								
BILL	Bilibino	78.94 1	eP	P	08 15 43.6 -0.3				
BILL	comp=Z,148nm,1.5s								
BILL	Bilibino	78.94 1	dIP	P	08 15 43.6 -0.3				
BILL			e		08 15 52.0				
BILL			e		08 18 41.6				
BILL	comp=Z,125nm,1.7s		pmax	pmax					
BILL	comp=Z,500nm,19.0s		MLR	MLR					
BRLK	Bradley Lake	79.02 21	eP	P	08 15 44.6 +0.1				
BRDH	comp=Z,29nm,0.9s								
BRDH	Bariadaha	79.09 296	P	P	08 15 47.1 +1.5				
SHL	comp=Z,84nm,0.3s,baz=97,slow=7.4,SNR=6.8								
SHL	Shilling	79.73 299	eP	P	08 15 49.0 -0.4				
SHL	comp=Z,132nm,1.4s								
SHL	Shilling	79.73 299	eP	P	08 15 49.0 -0.4				
SHL			pmax	pmax					
SHL	comp=Z,132nm,1.4s								
SHL	Shilling	79.73 299	iP	P	08 15 48.0 -1.4				
SEW	comp=Z,9.0nm,1.2s								
SEW	Seward	79.77 21	eP	P	08 15 51.7 +3.1				
BOD	comp=Z,38nm,1.1s								
BOD	Bodaibo	80.19 335	eP	P	08 15 50.3 -0.6				
SUA	comp=Z,70nm,1.6s								
SUA	Susitna One	80.29 20	eP	P	08 15 50.9 -0.7				
RC01	comp=Z,78nm,1.5s								
RC01	Rabbit Creek A	80.36 21	eP	P	08 15 52.0 +0.2				
PMR	comp=Z,53nm,1.5s								
PMR	Palmer	80.93 20	eP	P	08 15 54.9 +0.2				
PMR	comp=Z,38nm,1.2s								
PMR	Palmer	80.93 20	eP	P	08 15 54.9 +0.2				
GHO	comp=Z,38nm,1.2s								
GHO	Gory Hole Cre	81.12 20	PFAKE	LR	08 16 10.0 +1.4				
ZAK	comp=Z,1um,21.0s								
ZAK	Zakamensk	81.22 325	eP	P	08 15 55.8 -0.9				
CAST	comp=Z,47nm,1.2s								
CAST	Castle Rocks	81.28 18	eP	P	08 15 55.9 -0.8				
LSA	comp=Z,22nm,0.9s								
LSA	Lhasa	81.60 302	eP	P	08 15 59.4 -0.3				
IRK	comp=Z,41nm,1.4s								
IRK	irkutsk	81.60 327	eP	P	08 15 54.6 -4.0				
TLY	comp=Z,66nm,2.7s								
TLY	Talaya	81.65 327	eP	P	08 15 58.5 -0.4				
TLY	comp=Z,36nm,0.8s								
TLY	Talaya	81.65 327	eP	P	08 15 58.5 -0.4				
TLY	comp=Z,700nm,21.0s								
TLY	Talaya	81.65 327	dIP	P	08 15 58.2 -0.7				
TRF	comp=Z,38nm,1.2s								
TRF	Thorofore Moun	81.86 19	eP	P	08 15 59.1 -0.9				
TRF	comp=Z,18nm,1.0s								
TRF			LR	LR					
KLU	comp=Z,1um,22.0s								
KLU	Klutina	81.98 22	eP	P	08 16 00.4 -0.1				
BPAW	comp=Z,30nm,1.1s								
BPAW	Bear Paw Mtn.	82.11 18	eP	P	08 16 00.6 -0.5				
RDOG	comp=Z,17nm,1.4s								
RDOG	Red Dog Mine	82.26 12	eP	P	08 16 01.7 0.0				

RND	comp=Z,49nm,0.9s								
RND	Reindeer	82.29 19	eP	P	08 16 01.3 -0.7				
RND	comp=Z,30nm,1.1s								
RND	Reindeer	82.29 19	eP	P	08 16 01.3 -0.7				
MCK	comp=Z,30nm,1.1s								
MCK	McKinley	82.49 19	eP	P	08 16 02.4 -0.6				
MCK	comp=Z,63nm,1.4s								
MCK	McKinley	82.49 19	eP	P	08 16 02.4 -0.6				
DHY	comp=Z,63nm,1.4s								
DHY	Denali Highway	82.55 20	eP	P	08 16 03.7 +0.2				
BWN	comp=Z,19nm,1.1s								
BWN	Brown	82.63 18	eP	P	08 16 03.1 -0.7				
BWN	comp=Z,75nm,1.0s								
BWN			LR	LR					
IM3	comp=Z,1um,20.0s								
IM3	Indian Mounai	82.72 16	eP	P	08 16 03.9 -0.3				
HARP	comp=Z,19nm,1.1s								
HARP	HAARP	82.86 21	eP	P	08 16 07.3 +2.3				
MLY	comp=Z,48nm,1.2s								
MLY	Manley	82.86 17	eP	P	08 16 04.4 -0.6				
MOY	comp=Z,29nm,1.2s								
MOY	Moody	83.10 326	eP	P	08 16 06.5 -0.1				
PAX	comp=Z,84nm,2.3s								
PAX	Paxson	83.12 21	PFAKE	LR	08 16 20.0 +1.4				
KCPM	comp=Z,600nm,22.0s								
KCPM	Cahto Peak	83.27 48	eP	P	08 16 07.2 -0.6				
WRH	comp=Z,101nm,1.4s								
WRH	Wood River Hill	83.27 19	eP	P	08 16 06.4 -0.6				
HOPS	comp=Z,37nm,1.0s								
HOPS	Hopland Field	83.40 48	eP	P	08 16 08.1 -0.2				
GDXM	comp=Z,27nm,1.4s								
GDXM	Geysers	83.54 49	eP	P	08 16 08.7 -0.4				
MDM	comp=Z,20nm,1.2s								
MDM	Murphy Dome	83.57 18	eP	P	08 16 07.8 -0.8				
MDM	comp=Z,40nm,1.1s								
MDM			LR	LR					
HDA	comp=Z,900nm,19.0s								
HDA	Harding Lake	83.59 19	eP	P	08 16 08.1 -0.6				
HDA	comp=Z,59nm,0.9s								
HDA			LR	LR					
HDA	comp=Z,1um,20.0s								
HDA	Harding Lake	83.59 19	P	P	08 16 08.1 -0.6				
TCOL	comp=Z,1um,20.0s								
TCOL	CIGO, UAF Yank	83.62 18	P	P	08 16 07.7 -1.1				
COLA	comp=Z,32nm,0.8s								
COLA	College	83.63 18	dIP	P	08 16 08.0 -0.8				
COLA			pmax	pmax					
RIDG	comp=Z,28nm,0.8s								
RIDG	Independ'e Rid	83.84 20	eP	P	08 16 09.6 -0.5				
ILAR	comp=Z,35nm,0.9s								

HAWA Hanford	88.27	42	eP	P	08 16 32.3 +0.1
G08A Pilot Rock	88.32	43	eP	P	08 16 32.6 -0.1
LDFC Landfair	88.33	54	eP	P	08 16 32.5 -0.5
LDFC comp=Z,1um,20.0s			LR	LR	
Y12C Blythe	88.47	55	eP	P	08 16 33.7 +0.2
Y12C comp=Z,24nm,1.0s			LR	LR	
Y12C comp=Z,1um,19.0s					
Y12C Blythe	88.47	55	P	P	08 16 34.0 +0.5
WMQ Urumqi	88.48	315	P	P	08 16 33.5 +0.1
WMQ comp=Z,255,SNR=6.5			pP	pP	08 16 39.1 -0.4
WMQ comp=Z,255,SNR=6.5			sP	sP	08 16 40.5 -1.2
WMQ comp=Z,255,SNR=6.5			PP	PP	08 19 59.2 -2.5
WMQ comp=Z,100nm,1.9s			pmax	pmax	
WMQ comp=Z,2um,5.3s			LR	LR	
WMQ comp=Z,2um,21.7s			LR	LR	
WMQ comp=Z,2um,20.5s			LR	LR	
WMQ comp=Z,4um,29.7s			LR	LR	
WMQ Urumqi	88.48	315	eP	P	08 16 33.2 -0.2
WMQ comp=Z,91nm,1.3s			eP	pmax	
NEE2 Needles Airpor	88.64	54	P	P	08 16 34.5 +0.2
SHPR Sheep Range	88.65	53	eP	P	08 16 34.6 +0.1
SHPR comp=Z,62nm,1.7s			LR	LR	
R11A Troy Canyon, C	88.80	51	eP	P	08 16 35.0 -0.2
R11A comp=Z,26nm,1.5s			LR	LR	
R11A comp=Z,1um,22.0s			LR	LR	
R11A Troy Canyon, C	88.80	51	P	P	08 16 35.1 -0.1
R11A comp=Z,255,SNR=14					
113A Mohawk Valley,	88.84	56	eP	P	08 16 35.5 +0.3
113A comp=Z,27nm,1.3s			LR	LR	
SRIG Santa Rosalia	88.87	62	PFAKE	LR	08 16 50.0 +15
SRIG comp=Z,2um,21.0s			LR	LR	
D08A Wollman Farm,	88.88	42	eP	P	08 16 35.4 +0.3
D08A comp=Z,52nm,1.6s					
PDMC1 Parker Dam,Lak	88.91	55	P	P	08 16 35.5 0.0
D08A Colville Reser	89.00	40	eP	P	08 16 35.8 +0.1
D08A comp=Z,50nm,1.6s					
E09A Wood Farm, Sta	89.22	42	eP	P	08 16 36.7 0.0
E09A comp=Z,46nm,1.5s					
W13A Hualapai Mount	89.31	54	eP	P	08 16 38.0 +0.3
W13A comp=Z,1um,18.0s			LR	LR	
BMO Blue Mountains	89.31	44	eP	P	08 16 37.3 0.0
BMO comp=Z,50nm,1.5s					
BMO Blue Mountains	89.31	44	eP	P	08 16 37.3 0.0
BMO comp=Z,50nm,1.6s			pmax	pmax	
214A Organ Pipe Nat	89.44	57	P	P	08 16 38.3 +0.2
214A comp=Z,257,SNR=17					
ELK Elko	89.67	48	eP	P	08 16 39.3 0.0
ELK comp=Z,47nm,1.6s			eP	pmax	
ELK Elko	89.67	48	eP	pmax	08 16 39.3 0.0
F10A Beach Ranch, E	89.68	43	eP	P	08 16 38.9 -0.2
F10A comp=Z,51nm,1.5s					
Y14A Wickenburg	89.74	55	eP	P	08 16 39.6 +0.1
Y14A comp=Z,77nm,1.4s					
HYB Hyderbad	89.75	288	iP	P	08 16 40.0 +0.1
MFID Camas Ranch	89.94	46	eP	P	08 16 40.4 0.0
MFID comp=Z,50nm,1.6s					
SLBS Sierra La Lagu	90.11	66	PFAKE	LR	08 16 50.0 +8.5
PSUT Pine Spring	90.16	51	eP	P	08 16 41.6 +0.1
PSUT comp=Z,21nm,1.2s					
INK Inuvik	90.25	19	eP	P	08 16 40.8 -0.2
INK comp=Z,9.1nm,1.0s					
INK Inuvik	90.25	19	eP	pmax	08 16 40.8 -0.2
INK comp=Z,9.0nm,1.0s					
INK Inuvik	90.25	19	PKKPbc	PKKPbc	08 34 10.8 -2.8
LCMT Little Creek M	90.27	52	eP	P	08 16 42.6 +0.5
LCMT comp=Z,1.7nm,0.9s,baz=88,slow=1.9,SNR=4.0			LR	LR	
CCUT Cedar City	90.30	52	eP	P	08 16 42.3 0.0
CCUT comp=Z,18nm,1.0s					
DGZ Jazzator, Alta	90.35	321	dIP	P	08 16 41.5 -0.6
DGZ comp=Z,18nm,0.9s			pmax	pmax	
HSIG comp=Z,66nm,1.6s			LR	LR	
NEW Newport	90.39	41	eP	P	08 16 41.8 -0.4
NEW comp=Z,2um,20.0s					
NEW Newport	90.39	41	eP	pmax	08 16 41.8 -0.4
NEW Newport	90.39	41	P	P	08 16 41.7 -0.5
SZCU Shurtz Canyon	90.53	52	eP	P	08 16 44.3 +1.0
SZCU comp=Z,114nm,2.0s					
KNB Kanab	90.60	53	eP	P	08 16 43.5 -0.1
KNB comp=Z,116nm,1.7s			LR	LR	
KNB Kanab	90.60	53	eP	pmax	08 16 43.5 -0.1
KNB comp=Z,116nm,1.7s			MLR	MLR	
U15A North Rim	90.88	53	eP	P	08 16 44.8 -0.3
U15A comp=Z,18nm,0.9s					
HLID Hailey	90.98	46	eP	P	08 16 45.3 +0.1
HLID comp=Z,54nm,1.6s					
PKCU Pink Cliffs	91.09	52	eP	P	08 16 46.7 +0.6
PKCU comp=Z,45nm,1.2s			LR	LR	
TUC Tucson	91.19	57	eP	P	08 16 46.8 +0.5
TUC comp=Z,2um,20.0s			LR	LR	
TUC Tucson	91.19	57	eP	pmax	08 16 46.8 +0.5
TUC comp=Z,23nm,1.6s			MLR	MLR	
TCRU Three Creeks R	91.25	51	eP	P	08 16 47.1 +0.4
TCRU comp=Z,2um,19.0s			LR	LR	
MTPU Mount Pierson	91.32	52	eP	P	08 16 47.5 +0.3
MTPU comp=Z,45nm,1.6s			LR	LR	
DUG Dugway, Tooele	91.34	49	eP	P	08 16 47.3 +0.4
DUG comp=Z,9.6nm,0.9s					
DUG Dugway, Tooele	91.34	49	eP	pmax	08 16 47.3 +0.4
DUG comp=Z,10.0nm,0.9s					
BGU Big Grassy Mou	91.34	49	eP	P	08 16 47.3 +0.3
BGU comp=Z,17nm,1.1s					
ZSN Zaisan	91.38	318	dIP	pmax	08 16 45.3 -1.5
ZSN comp=Z,60nm,2.0s			MLR	MLR	

ZSN Zaisan	91.38	318	dIP	P	08 16 45.4 -1.5
ZSN comp=Z,60nm,2.0s			eLR	LR	
WUAZ Wuuki	91.40	54	eP	P	08 16 47.8 +0.4
WUAZ comp=Z,15nm,0.9s			LR	LR	
WUAZ Wuuki	91.40	54	P	P	08 16 47.8 +0.4
MSU Marysvalle	91.43	51	eP	P	08 16 47.9 +0.4
MSU Marysvalle	91.43	51	eP	P	08 16 47.9 +0.4
SYO Syowa Base	91.46	1971	eP	P	08 16 45.4 -1.4
HVV Hansel Valley	91.73	48	eP	P	08 16 49.0 +0.2
NLU North Lily Min	91.83	50	eP	P	08 16 49.6 +0.3
NLU comp=Z,20nm,1.1s					
SPUT South Promonto	91.86	48	eP	P	08 16 49.5 +0.1
SPUT comp=Z,17nm,1.1s					
MSO Missoula	92.10	43	eP	P	08 16 50.1 -0.2
MSO Missoula	92.10	43	P	P	08 16 51.3 +1.1
MSO Maple Canyon	92.18	50	eP	P	08 16 50.9 0.0
CTU Camp Tracy	92.24	49	eP	P	08 16 51.0 -0.1
319A Douglas	92.25	59	eP	P	08 16 52.1 +0.7
319A comp=Z,22nm,1.3s			LR	LR	
Q16A Castle Valley	92.29	51	eP	P	08 16 52.1 +0.6
Q16A comp=Z,55nm,1.7s			LR	LR	
X18A Snowflake	92.34	55	eP	P	08 16 52.2 +0.5
X18A comp=Z,11nm,1.2s					
TMUT Trail Mountain	92.34	51	eP	P	08 16 52.2 +0.4
TMUT comp=Z,33nm,1.7s			LR	LR	
MCMT Mackenzie Canyo	92.37	45	eP	P	08 16 52.1 +0.4
JLU Jordanelle	92.44	49	eP	P	08 16 52.2 0.0
JLU comp=Z,14nm,1.0s					
TCUT Toone Canyon	92.58	49	eP	P	08 16 52.9 0.0
TCUT comp=Z,19nm,1.0s					
W18A Petrified Fore	92.63	55	PFAKE	LR	08 17 00.0 +6.9
W18A Petrified Fore	92.63	55	P	P	08 16 53.1 0.0
W18A Petrified Fore	92.63	55	eP	P	08 16 52.8 0.0
WALA Walatoya Lakes	92.65	41	eP	P	08 16 52.8 -0.2
DLMT Dillon	92.67	44	eP	P	08 16 52.8 -0.2
DLMT comp=Z,53nm,1.3s					
P17A Red Lodge	92.73	50	eP	P	08 16 53.6 +0.1
P17A comp=Z,32nm,1.7s			LR	LR	
SRU San Rafael	92.82	51	eP	P	08 16 54.0 0.0
SRU comp=Z,7nm,1.2s					
LRM Limekiln Ridge	92.87	44	eP	P	08 16 53.9 -0.2
MK01 Makanchi Array	92.91	317	eP	P	08 16 53.1 -0.8
MK31 Makanchi Array	92.93	317	eP	P	08 16 53.6 -0.4
MK32 Makanchi Array	92.93	317	eP	P	08 16 53.7 -0.3
MKAR Makanchi Array	92.93	317	eP	P	08 16 53.5 -0.5
MKAR Makanchi Array	92.93	317	P	P	08 16 53.7 -0.3
MKAR comp=Z,23nm,0.8s,baz=94,slow=4.0,SNR=77			LR	LR	
ZAAO Zalesovo Array	93.06	324	eP	P	08 16 53.1 -1.2
ZAAO comp=Z,70nm,1.4s			LR	LR	
ZALV Zalesovo Beam	93.06	324	eP	P	08 16 52.7 -1.6
ZALV Zalesovo Beam	93.06	324	eP	P	08 16 53.2 -1.1
ZALV comp=Z,26nm,1.1s,baz=108,slow=3.8,SNR=34			PP	PP	
ZALV comp=Z,3.2nm,1.1s,baz=96,slow=6.4,SNR=3.7			LR	LR	
ZAA1 Zalesovo Array	93.06	324	eP	P	08 16 53.2 -1.1
MAK1 Makanchi	93.14	317	eP	P	08 16 54.3 -0.7
MAK2 Makanchi	93.14	317	eP	LR	08 16 54.3 -0.7
MAK2 comp=Z,1um,20.0s					
MAK2 Makanchi	93.14	317	eP	pmax	08 16 54.3 -0.7
MAK2 comp=Z,83nm,1.2s			MLR	MLR	
QLMT Earthquake Lak	93.36	45	eP	P	08 16 57.3 +1.1
BOZ Bozeman (W)	93.38	44	eP	P	08 16 56.2 0.0
BOZ comp=Z,42nm,1.4s					
BOZ Bozeman (W)	93.38	44	eP	pmax	08 16 56.3 0.0
BOZ comp=Z,43nm,1.4s					
FXWY Fox Creek	93.39	46	eP	P	08 16 56.3 -0.2
FXWY comp=Z,5.4nm,0.9s					
REDW Red Top Meadow	93.46	47	eP	P	08 16 56.6 -0.2
REDW comp=Z,26nm,1.5s					
HRY Holter Researc	93.48	43	eP	P	08 16 56.7 0.0
YHB Horse Butte	93.50	45	eP	P	08 16 58.2 +1.2
SNOW Snow King Moun	93.55	47	eP	P	08 16 57.9 +0.7
MOOW Moose Ponds	93.61	46	eP	P	08 16 57.2 -0.3
MOOW comp=Z,8.3nm,1.1s					
YMR Madison River	93.65	45	eP	P	08 16 58.9 +1.3
LOHW Long Hollow	93.69	46	eP	P	08 16 57.5 -0.3
LOHW comp=Z,8.5nm,1.2s					
YFT Old Faithful	93.69	46	eP	P	08 17 00.6 +2.8
FLWY Flagg Ranch	93.71	46	eP	P	08 16 57.6 -0.3
FLWY comp=Z,21nm,1.3s					
121A Cookes Peak, D	93.72	58	P	P	08 16 58.6 +0.5
121A comp=Z,55nm,1.7s					
PV09 Paradox Valley	93.77	52	eP	P	08 16 58.3 -0.1
PV23 Carpenter Ridg	93.85	52	eP	P	08 17 00.1 +1.3
YNR Norris Junctio	93.86	45	eP	P	08 16 59.3 +0.7
YNR comp=Z,15m,1.3s					
H17A Grant Village	93.86	46	eP	P	08 17 00.5 +1.8
H17A Grant Village	93.86	46	P	P	08 16 59.6 +1.0
PV20 West Nyswonger	93.86	52	PFAKE	LR	08 17 10.0 +11
PV20 comp=Z,2um,22.0s					
PV21 Cone Mtn., Par	93.90	52	PFAKE	LR	08 17 10.0 +11
PV21 comp=Z,2um,22.0s					
PV04 Paradox Valley	93.92	52	eP	P	08 16 59.9 +0.9
PV12 Saucer Basin,	93.99	52	eP	P	08 17 00.6 +1.3
PV12 comp=Z,2um,22.0s			LR	LR	
MVCO Mesa Verde	94.02	53	PFAKE	LR	08 17 10.0 +10
MVCO Mesa Verde	94.02	53	P	P	08 16 59.4 -0.1
LKWY Lake	94.02	46	eP	P	08 17 02.2 +2.8
LKWY Lake	94.02	46	eP	P	08 17 02.2 +2.8
LKWY comp=Z,9.9nm,0.9s			pmax	pmax	
SHLS Shalkode	94.13	313	eP	P	08 16 56.6 -3.1
SHLS Shalkode	94.13	313	eP	P	08 16 56.7 -3.1
SHLS comp=Z,369nm,1.5s			eP	PP	
SHLS Shalkode	94.13	313	eP	PP	08 20 41.2 -5.3
PV01 Paradox Valley	94.13	52	eP	P	08 16 59.6 -0.5
PV01 comp=Z,4.6nm,0.9s			LR	LR	
NVS Novosibirsk	94.17	325	eP	P	08 16 59.3 -0.1
NVS comp=Z,2um,22.0s			pmax	pmax	
NVS comp=Z,54nm,1.4s			pmax	pmax	
NVS comp=N,11nm,1.3s			pmax	pmax	
NVS comp=E,32nm,1.5s					
BW06 Boulder Array	94.27	47	eP	P	08 16 59.8 -0.7
BW06 Boulder Array	94.27	47	P	P	08 17 01.1 +0.6

KUU	comp=N,64nm,6.9s	smax	smax					
KUU	Kurly	96.49	313	j/P	P	08 17 08.2	-2.2	
KUU	comp=N,114nm,1.8s			j/S	SKS	08 27 46.1	+0.3	
N23A	comp=N,64nm,6.9s					08 17 20.0	+8.7	
N23A	Red Feather La	96.61	50	PFAKE	LR			
N23A	comp=Z,1um,20.0s					08 17 10.6	-0.7	
N23A	Red Feather La	96.61	50	P	P	08 17 11.5	-0.1	
TX31	Lajitas Ar. Si	96.67	61	eP	P	08 17 11.5	-0.1	
LTX	comp=Z,5.0nm,1.4s					08 21 08.1	+1.5	
LTX	Lajitas	96.67	61	eP	PP	08 17 11.5	-0.1	
LTX	Lajitas	96.67	61	eP	P	08 21 08.1		
TXAR	Lajitas Array	96.67	61	P	P	08 17 11.5	-0.1	
TXAR	comp=Z,1.3nm,1.0s,baz=217,slo=4.8,SNR=4.4			PP	PP	08 21 08.1	+1.5	
TXAR	comp=Z,1.6nm,1.1s,baz=234,slo=6.0,SNR=5.0			PP	PKKPbc	08 33 56.3	+0.9	
TXAR	comp=Z,0.7nm,0.6s,baz=101,slo=3.8,SNR=15			LR		08 52 30.8		
TXAR	comp=Z,2um,21.0s,baz=0.0,slo=30			LR		08 17 20.0	+8.3	
ISCO	Idaho Springs	96.69	51	PFAKE	LR			
ISCO	comp=Z,2um,20.0s					08 17 20.0	+7.2	
Q24A	Divide	96.92	52	PFAKE	LR			
Q24A	comp=Z,1um,21.0s					08 17 11.6	-0.7	
SNA	Snae	97.00	184	P	P	08 17 13.2	+0.8	
SNA	Snae	97.00	184	P	Pdf	08 17 20.0	+6.7	
PHWY	Phwy Pilot Hill	97.03	49	PFAKE	LR			
PHWY	comp=Z,1um,20.0s					08 17 30.0	+1.6	
T25A	Trinidad	97.22	54	PFAKE	LR			
T25A	comp=Z,1um,18.0s					08 17 13.8	-0.1	
LAO	LASA Array	97.28	44	eP	P	08 17 14.6	+0.6	
LAO	comp=Z,2.5nm,1.4s					08 17 13.7	-0.7	
LAS	LASA Array	97.28	44	P	Pdf	08 17 14.6	+0.6	
LAS	comp=Z,2.8nm,1.5s					08 17 13.7	-0.7	
NIL	Nilore	97.33	303	eP	P	08 17 13.7	-0.7	
NIL	comp=Z,800nm,22.0s					08 17 12.0	-3.3	
NIL	comp=Z,2.8nm,1.5s			MLR	MLR			
NIL	comp=Z,800nm,22.0s					08 17 15.5	-0.3	
FRU	Bishkek	97.58	312	eP	P	08 17 16.1	+0.2	
FRU	comp=Z,2um,20.0s					08 21 14.8	+1.0	
AAK	Ala-Archa	97.64	312	eP	P	08 21 14.8	+1.0	
AAK	comp=Z,4.0nm,2.0s					08 17 16.6	-1.8	
AAK	Ala-Archa	97.64	312	eP	P	08 21 14.8	+1.0	
AAK	comp=Z,6.0nm,1.7s					08 17 16.6	-1.8	
AAK	Ala-Archa	97.64	312	P	Pdf	08 17 16.1	+0.2	
AAK	comp=Z,1.7nm,0.7s,baz=125,slo=5.1,SNR=2.9					08 21 14.8	+1.0	
AAK	comp=Z,1.2nm,0.6s,baz=88,slo=11,SNR=2.5					08 33 56.0	+0.1	
AAK	comp=Z,0.7nm,0.3s,baz=306,slo=18,SNR=4.4					09 03 01.4		
AAK	comp=Z,4.4nm,20.3s,baz=93,slo=56					08 17 16.1	+0.4	
VNA3	Neumayer Olmpy	97.76	182	P	Pdf	08 17 16.4	-0.3	
VNA2	Neumayer-Watz	98.00	183	P	P	08 17 16.4	-0.3	
VNA2	comp=Z,1.7nm,0.7s,baz=125,slo=5.1,SNR=2.9					08 17 30.0	+1.2	
MSTX	Muleshoe	98.10	57	PFAKE	LR			
MSTX	comp=Z,2um,20.0s					08 17 16.6	-1.8	
BTLS	Baital	98.28	314	eP	P	08 21 14.6	-3.8	
BTLS	comp=N,88nm,1.8s					08 27 55.4	+0.5	
BTLS	comp=N,301nm,7.3s					08 17 16.6	-1.8	
BTLS	Baital	98.28	314	eP	PP	08 21 14.6	-3.8	
BTLS	comp=N,88nm,1.8s					08 27 55.4	+0.5	
BTLS	comp=N,300nm,7.3s					08 17 15.8	-2.2	
VNA1	Neumayer-Stat	98.31	182	P	P	08 17 30.0	+8.6	
KSCO	Kaye Shedlock	98.37	52	PFAKE	LR			
KSCO	comp=Z,2um,22.0s					08 17 30.0	+7.5	
AMTX	Amarillo	99.11	56	PFAKE	LR			
AMTX	comp=Z,1um,18.0s					08 17 40.0	+1.3	
BTK	Batken	100.07	309	PFAKE	LR			
BTK	comp=Z,1um,22.0s					08 17 40.0	+1.3	
JCT	Junction City	100.15	61	PFAKE	LR			
JCT	comp=Z,2um,20.0s					08 17 40.0	+1.2	
833A	Chaparral WMA	100.24	63	PFAKE	LR			
833A	comp=Z,1um,20.0s					08 17 40.0	+1.1	
ABTX	Abilene, Hawle	100.53	59	PFAKE	LR			
ABTX	comp=Z,2um,21.0s					08 17 28.2	-0.6	
KK31	Karatay Array	100.60	312	eP	Pdf	08 17 28.2	-0.6	
KK31	Karatay Array	100.60	312	eP	Pdf	08 17 28.2	-0.6	
KKAR	Karatay Array	100.60	312	eP	Pdf	08 17 28.2	-0.6	
KKAR	Karatay Array	100.60	312	eP	Pdf	08 17 28.2	-0.6	
FFC	Flin Flin	100.82	36	iP	Pdf	08 17 30.2	+0.7	
IUG	Iuzhny	100.87	311	eP	Pdf	08 17 28.8	-1.3	
IUG	comp=Z,84nm,1.9s					08 21 28.9	-1.3	
IUG	Iuzhny	100.87	311	eP	Pdf	08 21 39.3	+1.0	
IUG	comp=Z,84nm,1.9s					08 21 39.3	+1.0	
BVAR	Borovoye Array	101.42	322	PP	PP	08 21 40.0	-1.4	
BVAR	comp=Z,1.8nm,0.8s,baz=81,slo=9.2,SNR=4.0					08 17 40.0	+7.1	
WMOK	Wichita Mounta	101.47	57	PFAKE	LR			
WMOK	comp=Z,2um,20.0s					08 17 40.0	+7.5	
BRVK	Borovoye	101.49	322	PFAKE	LR			
BRVK	comp=Z,1um,20.0s					08 17 31.7	-0.8	
BRVK	Borovoye	101.49	322	iP	Pdf	08 17 31.7	-0.8	
BRVK	comp=Z,1um,20.0s					08 17 50.0	+1.5	
LVIG	Laguna Verde	101.85	72	PFAKE	LR			
LVIG	comp=Z,2um,22.0s					08 17 50.0	+1.4	
MRIV	Mauritius Miete	102.01	246	PFAKE	LR			
MRIV	comp=Z,300nm,18.0s					08 17 50.0	+1.4	
435B	Jarrell	102.08	61	PFAKE	LR			
435B	comp=Z,2um,21.0s					08 17 50.0	+1.3	
WHTX	Lake Whitney	102.31	60	PFAKE	LR			
WHTX	comp=Z,1um,18.0s					08 17 50.0	+8.0	
KSU1	Kansas State U	103.54	52	PFAKE	LR			
KSU1	comp=Z,1um,18.0s					08 18 00.0	+1.6	
TUL1	Leonard	104.00	56	PFAKE	LR			
TUL1	comp=Z,1um,19.0s					08 18 00.0	+1.5	
X37A	Clayton	104.26	57	PFAKE	LR			
X37A	comp=Z,1um,20.0s					08 18 00.0	+1.3	
NATX	Nacogdoches	104.66	60	PFAKE	LR			
NATX	comp=Z,2um,20.0s					08 22 10.0	+7.1	
FCC	Fort Churchill	105.18	32	PFAKE	LR			
FCC	comp=Z,1um,20.0s					08 22 20.0	+1.6	
W39A	Magazine	105.59	56	PFAKE	LR			
W39A	comp=Z,1um,22.0s					08 22 20.0	+1.5	
MIAR	Mount Ida	105.73	57	PFAKE	LR			
MIAR	comp=Z,2um,20.0s					08 22 20.0	+1.5	
SCIA	State Center	106.22	50	PFAKE	LR			
SCIA	comp=Z,1um,19.0s					08 22 20.0	+1.4	
Z41A	Richland Creek	106.31	59	PFAKE	LR			
Z41A	comp=Z,2um,19.0s					08 22 20.0	+1.4	

X40A	Basin Creek Fa	106.34	57	PFAKE	LR	08 22 20.0	+1.4	
X40A	comp=Z,1um,20.0s					08 22 20.0	+1.4	
SPMN	Marine on St.	106.51	46	PFAKE	LR			
SPMN	comp=Z,1um,21.0s					08 22 20.0	+1.3	
UALR	University of	106.76	57	PFAKE	LR			
UALR	comp=Z,2um,21.0s					08 22 20.0	+1.3	
W41B	Gary Mavity, V	106.85	57	PFAKE	LR			
W41B	comp=Z,2um,20.0s					08 22 20.0	+1.2	
L40A	Anamosa	107.71	49	PFAKE	LR			
L40A	comp=Z,2um,21.0s					08 22 20.0	+1.1	
T42A	Van Buren	107.83	55	PFAKE	LR			
T42A	comp=Z,1um,20.0s					08 22 20.0	+1.1	
X43A	Marvell	107.96	57	PFAKE	LR			
X43A	comp=Z,2um,21.0s					08 18 00.1	-1.5	
ABKAR	Abkabal array	108.02	318	eP	Pdf	08 22 20.0	+1.1	
VBMS	Vicksburg	108.20	60	PFAKE	LR			
VBMS	comp=Z,2um,20.0s					08 22 20.0	+1.0	
MYIG	Mrida	108.21	72	PFAKE	LR			
MYIG	comp=Z,1um,21.0s					08 22 20.0	+1.1	
G40A	Rib Lake	108.35	46	PFAKE	LR			
G40A	comp=Z,900nm,20.0s					08 22 20.0	+1.0	
P42A	Winchester	108.41	52	PFAKE	LR			
P42A	comp=Z,1um,18.0s					08 22 20.0	+1.0	
MET	Memphis-Engin	108.75	57	PFAKE	LR			
MET	comp=Z,1um,20.0s					08 22 11.0	+0.4	
AKTO	Aktubinsk	109.17	320	eP	Pdf	08 22 20.0	+8.9	
AKTO	comp=Z,2.5nm,0.9s,baz=145,slo=7.2,SNR=4.9					08 22 20.0	+8.9	
OXF	Oxford	109.17	57	PFAKE	LR			
OXF	comp=Z,1um,21.0s					08 22 20.0	+9.0	
HDIL	Hopedale	109.20	51	PFAKE	LR			
HDIL	comp=Z,1um,22.0s					08 22 20.0	+8.7	
SIUC	Southern Illin	109.32	54	PFAKE	LR			
SIUC	comp=Z,2um,21.0s					08 22 20.0	+7.8	
T45A	Paducah	109.78	55	PFAKE	LR			
T45A	comp=Z,1um,20.0s					08 22 20.0	+7.1	





Table with columns: Code, Station Name, Az, El, Time, Res, and various meteorological data points for stations like SONM, SONA1, WRA, etc.

IDC 07 08:20:40.2,0.5, 10.75Sx164.71E, h0km, mb4.4/21, mb1.4/5.23, mb1mx4.5/40, mbtmp4.5/23, ML4.8/2, MS4.0/1, MS1.4/0.1, ms1mx3.4/39, Error ellipse: s-maj=18.9km s-min=13.4km az=93.0

NEIC 07 08:20:41.8,0.1, 10.08Sx164.65E, h10km, mb4.6/40, Error ellipse: s-maj=4.6km s-min=3.4km az=104.0

ISCJB 07 08:20:43.0,0.2, 10.80S,0.04,164.61E, 0.05, h29km, mb4.5/60, MS4.9/2, Error ellipse: s-maj=7.0km s-min=5.2km az=5.7

ISC 07 08:20:44.0,4.0, 10.80S,0.05,164.74E, 0.07, h29km, n114, e1500/116, mb4.6/60, MS4.7/3, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, El, Time, Res, and various meteorological data points for stations like HNR, MARNC, DZM, etc.

Main table with columns: Code, Station Name, Az, El, Time, Res, and various meteorological data points for stations like USRK, PEAOB, PETK, etc.

Table with columns: Code, Station Name, Az, El, Time, Res, and various meteorological data points for stations like SHLS, SHLS, SHLS, etc.

SOME 07 08:34:59.8, 42.55N, 79.63E, h20km
KRNET 07 08:35:00.3, 0.1, 42.60N, 79.56E, h16km, mb2.9
NINC 07 08:35:00.4, 0.1, 42.62N, 79.57E, h0km, mb3.3, mpv3.1, Error ellipse: s-maj=3.7km s-min=1.8km az=137.0

7d 9h

Table with columns: Kaps, Kapalarasan, Time, Res, etc. Includes entries for KAPS, DGS, NRN, TKM2, KZA, AAK, USP, ARLS, MAZK, MK31, etc.

DDA 07 08:35:15.9, 37.86N, 34.45E, h7km, 3km, ML2.7
ISCJB 07 08:35:18.3, 0.7, 37.91N, 0.03, 34.52E, 0.05, h3km, 6km
Error ellipse: s-maj=6.3km s-min=4.4km az=0.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes entries for NIG, KAR, AVNS, MERS, KOZT, CEYT, YURE, KIZK, BNN, AKRU, KMRS, etc.

NNC 07 08:37:41.3, 8.7, 53.53N, 87.99E, h0km, mb3.6, mpv3.2,
Error ellipse: s-maj=98.4km s-min=39.1km az=43.0,
Suspected Mining explosion.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes entries for ZAAO, MK31, MAZK, etc.

NNC 07 08:42:59.3, 4.7, 54.23N, 86.53E, h0km, mb3.2, mpv3.0,
Error ellipse: s-maj=44.6km s-min=20.8km az=6.0,
Suspected Mining explosion.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes entries for H46RU, ZAAO, ZALV, KURKB, etc.

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Main table with columns: MKAR, MAZK, IDC, etc. Includes station names like Honiara, Mare, Loyal, etc. and various time/res data.

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Table with columns: YKA, YKB5, LTX, TXAR, BOSB, etc. Includes station names and time/res data.

IDC 07 08:53:40.1, 8.0, 17.89S, 179.77E, h0km, mb3.5/3,
mb1 3.8/3, mb1mx3.5/38, mbtimp3.5/3, Error ellipse:
s-maj=354.1km s-min=35.8km az=144.0, Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes entries for WRA, ASAR, ILAR, etc.

ISCJB 07 09:01:32.6, 0.3, 0.49N, 0.04, 122.42E, 0.05, h114km,
mb4, 1/17, Error ellipse: s-maj=7.1km s-min=4.2km

IDC 07 09:01:33.9, 0.6, 0.54N, 122.47E, h12km, 5km, mb3.7/9,
mb1 3.9/10, mb1mx3.6/7, mbtimp4.2/10, MS4.4/1,
Ms1 4.4/1, ms1mx3.1/53, Error ellipse: s-maj=49.5km
s-min=11.1km az=61.0

NEIC 07 09:01:34.9, 0.8, 0.47N, 122.41E, h124km, 8km, mb4.3/10,
Error ellipse: s-maj=11.3km s-min=4.7km az=57.0
DJA 07 09:01:35.0, 0.4, 0.7N, 122.2E, h80km, 9km, M4.5/12,
mb4.5/7, mb5.0/4, MLV4.5/12, Mw(MB)4.4/4

ISC 07 09:01:34.0, 0.5, 0.54N, 0.06, 122.43E, 0.06, h114km, n79,
e1900.91, mb4.3/27, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes entries for MRSI, KMSI, LUWI, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like MK31 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, MKAR 0.4m,0.5s, etc.

NNC 07 09:02:08.5-0.9, 53.42N-88.740E, h0km, mb3.6, mpv3.3, 8C-6D, Error ellipse: s-maj=71.7km s-min=37.4km az=62.0, Suspected Mining explosion, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ZAA0 Zalesovo Array, ZAA0 7.7m,0.5s, KURK Kurchatov, KURK 36m,0.9s, etc.

IDC 07 09:09:52.7-5.9, 1.92S-68.23E, h0km, mb3.7/2, mb1 4.0/2, mb1mx3.3/49, mbmtpp3.7/2, Error ellipse: s-maj=53.16km s-min=53.2km az=36.0, Carlsberg Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like H08N2 Diego Garcia H, H08N2 5.18 148 T, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 07 09:10:23.6-3.0, 10.50S-165.39E, h0km, mb3.3/3, mb1 3.6/4, mb1mx3.4/41, mbmtpp3.5/4, ML3.3/1, Error ellipse: s-maj=65.6km s-min=42.3km az=89.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like DZM Mont Dzumac, H11S2 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, etc.

IDC 07 09:10:57.5-67.0, 16.13S-176.26W, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.5/38, mbmtpp3.6/3, Error ellipse: s-maj=125.70km s-min=170.6km az=78.0, Fiji Islands region1

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 07 09:11:09.4-1.6, 11.67S-164.72E, h0km, mb3.5/4, mb1 3.7/5, mb1mx3.5/41, mbmtpp3.6/5, ML3.7/1, MS3.9/1, Ms1 3.9/1, ms1mx3.1/27, Error ellipse: s-maj=48.5km s-min=29.8km az=125.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like DZM Mont Dzumac, CTA Charters Tower, H11S2 WAKE ISLAND Hy, etc.

IDC 07 09:13:23.1-1.1, 29.34N-142.29E, h0km, mb3.5/4, mb1 3.7/5, mb1mx3.4/43, mbmtpp3.5/5, ML2.5/2, Error ellipse: s-maj=41.6km s-min=20.2km az=83.0, ISCBJ 07 09:13:24.5-1.1, 29.36N-0.07-142.3E-0.3, h24km, mb3.5/4, Error ellipse: s-maj=36.2km s-min=8.9km az=173.2, ISC 07 09:13:26.6-1.1, 29.32N-0.09-142.2E-0.3, h24km, n6, 0541/8, mb3.5/4, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like JCJ Chichijima, JCJ 7.1m,0.3s, MJAR Matsushiro Arr, etc.

IDC 07 09:20:49.1-1.3, 10.98S-165.46E, h0km, mb3.7/7, mb1 3.9/8, mb1mx3.7/95, mbmtpp3.8/6, ML4.0/1, Error ellipse: s-maj=48.1km s-min=22.2km az=129.0, ISCBJ 07 09:20:51.8-0.9, 11.22S-0.1-165.5E-0.2, h30km, mb3.6/6, Error ellipse: s-maj=24.5km s-min=16.5km az=21.7, ISC 07 09:20:53.6-1.0, 11.11S-0.1-165.5E-0.2, h30km, n14, 0575/8, mb3.7/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like DZM Mont Dzumac, CTA Charters Tower, H11S2 WAKE ISLAND Hy, etc.

ISCBJ 07 09:21:24.0-0.4, 24.43N-0.02-122.01E-0.02, h5km, 3km, Error ellipse: s-maj=3.4km s-min=2.4km az=142.2, JMA 07 09:21:24.7-0.1, 24.43N-121.96E, h14km, M2.6, TAP 07 09:21:24.5, 24.45N-121.96E, h13km, ML3.0, B, ISC 07 09:21:24.1-0.9, 24.43N-0.02-121.99E-0.02, h14km, 6km, n64, 0560/92, 6C-4D, Taiwan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like EOS1 EOS1, TWC Wuzhuo, ENA Nanau, etc.

ISCBJ 07 09:27:24.0-0.4, 44.21N-78.34E, h0km, mb2.0, mpv2.6, SOME 07 09:27:25.5, 44.17N-78.33E, h5km, ISC 07 09:27:25.5, 44.17N-78.33E, h5km, n18, 1569/35, 2C-2D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like MNBS Baschi, MNBS 19m,0.1s, ARXS Arharly, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ESL Shilin, YM01 YM01, YM11 YM11, YM05 YM05, etc.

NNC 07 09:27:24.0-0.4, 44.21N-78.34E, h0km, mb2.0, mpv2.6, SOME 07 09:27:25.5, 44.17N-78.33E, h5km, ISC 07 09:27:25.5, 44.17N-78.33E, h5km, n18, 1569/35, 2C-2D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like MNBS Baschi, ARXS Arharly, ARXS Arharly, etc.

IDC 07:09:28:39.3:8.4, 10'345:166'04E, h0km, mb3.9/5, mb1 4.1/6, mb1mx3.7/4.1, mbtmp4.0/6, ML3.5/1, MS3.6/1, Ms1 3.6/1, ms1mx3.0/38, Error ellipse: s-maj=144.8km s-min=43.7km az=59.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM, CTA, H1S2, H1S3, H1S1, H1N1, H1N3, H1N2, STKA, WRA, WRA, ASAR, FITZ, BATI.

ISC/JB 07:09:36:52.4:0.6, 6'56S:0'03:74'29W:0'04, h159km, 6km, mb4.5/144, Error ellipse: s-maj=7.0km s-min=4.5km az=159.2

IDC 07:09:36:53.0:4.0, 4'73S:74'41W, h161km, 3km, mb4.0/19, mb1 4.1/26, mb1mx4.1/37, mbtmp4.5/26, MS3.4/3, Ms1 3.4/3, ms1mx3.2/28, Error ellipse: s-maj=13.6km s-min=8.8km az=44.0

NEIC 07:09:36:54.3:0.1, 6'64S:74'30W, mb4.5/138, Error ellipse: s-maj=5.6km s-min=3.0km az=63.0

ISC 07:09:36:53.8:0.3, 6'71S:0'04:74'42W:0'05, h158km, 2km, h158km, 2km, p-pP, h592, s1813/666, mb4.5/145, Peru-Brazil border region

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ATAH, NNA, PTLC, OTAV, CMBC, GOCF, GOTA, SOTA, PCON, VILC, YOTOC, LPAZ, ROSC, MNMC, PB11, SDV, SIV, LVC, PAYG, PB10, GO02, JTS, BOAB, LCO, GRGR, GO04, MDP, MTDJ, BANI, CPUP, SJG, STVI, APG, BDFB, CCIG, SPB, 060A.

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like 058A, 859A, 865A, 556A, 555A, 553A, 455A, 357A, 452A, TIGA, 449A, 351A, 352A, 254A, BRAL, 350A, 156A, 252A, 349A, LNIG, 155A, 154A, 154A, NHSC, 251A, 250A, 153A, 249A, 152A, 152A, 151A, Z54A, 150A, Z53A, Z52A, GOGA, GOGA, 149A, Z51A, Y54A, Z50A, Z50A, Z50A, Y53A, LRLAL, LRLAL, Z49A, 147A, Y52A, Y51A, Y50A, X53A, Y49A, X52A, X52A, Y48A, X51A, X50B, 833A, W53A, X49A, W52A, X48A, X48A, W51A, V53A, X47A, W50A, W50A, CPCT, W49A, SWET, Y44A, X46A, V52A, V52A, W48A, V51A.

Main station list table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like V51A, V51A, V50A, OXF, 435B, 435B, U53A, W47A, Y42A, V49A, U52A, U51A, V48A, V48A, W45A, U50A, BLA, T54A, V47A, T53A, V46A, U49A, WHTX, T52A, T51A, V45A, X41A, WVT, WVT, WVT, U48A, R58B, T50A, U47A, S55A, S53A, T49A, T49A, MIAR, W41B, S51A, T48A, R55A, R54A, S50A, T46A, R53A, S49A, V41A, S48A, W39A, LTX, LTX, LTX, TX31, TXAR, TXAR, TXAR, S47A, R51A, R50A, Q55A, PBMO, Q54A, U41A, U46A, R49A, ABTX, ABTX, Q52A, T43A, WCI, WCI, S45A, R48A, R47A, Q50A, U40A, T42A, T42A, P55A, P53A, P53A, P54A, T41A.

Q49A	Aurora	46.51 349	P	P	09 45 04.0	-1.3	O41A	Passleys Farm,	49.01 343	P	P	09 45 22.4	-2.1	SDCO	Great Sand Dun	52.88 329	P	P	09 45 54.4	+0.6
R45A	Skylar, Fairri	46.60 345	P	P	09 45 04.4	-1.6	M46A	Old House Fiel	49.12 348	P	P	09 45 23.7	-1.7	E52A	Mattawa	52.90 356	P	P	09 45 52.9	-0.6
Q48A	North Vernon	46.61 348	P	P	09 45 04.5	-1.5	L50A	Kingsville	49.12 352	P	P	09 45 23.7	-1.6	H41A	Junction City	52.90 346	P	P	09 45 51.8	-1.8
P51A	Williamsport	46.65 351	P	P	09 45 05.2	-1.1	L48A	N Adams	49.28 350	P	P	09 45 25.1	-1.5	E53A	Dumoine, Ponti	52.93 357	P	P	09 45 52.6	-1.1
P52A	Corning	46.66 352	P	P	09 45 05.9	-0.6	M45A	Boilermakers S	49.29 347	P	P	09 45 25.3	-1.3	E54A	Lac Daplat, Po	52.97 358	P	P	09 45 53.5	-0.4
Q47A	Bedord North L	46.76 347	P	P	09 45 06.0	-1.2	N43A	Stutzman Famil	49.32 345	P	P	09 45 24.9	-1.9	X18A	Snowflake	53.00 323	eP	P	09 45 55.7	+1.1
R44A	Waltonville	46.77 344	P	P	09 45 05.0	-2.2	N42A	Yates City	49.44 344	P	P	09 45 26.1	-1.7	214A	Organ Pipe Nat	53.09 319	P	P	09 45 55.8	+0.7
P50A	Jamestown	46.90 350	P	P	09 45 07.4	-0.9	L47A	Sherwood	49.45 349	P	P	09 45 26.1	-1.7	H40A	Chili	53.09 346	P	P	09 45 53.5	-1.4
FVM	French Village	46.90 343	eP	P	09 45 06.1	-2.2	M44A	Midewin, Midew	49.47 347	P	P	09 45 26.4	-1.6	E51A	G1948 Merrick	53.20 356	P	P	09 45 55.0	-0.6
FVM	Ligonier	46.90 355	eP	P	09 45 44.0	+0.2	N41A	Harden Midland	49.55 344	eP	P	09 45 26.8	-1.8	G42A	Mountain	53.23 348	P	P	09 45 54.2	-1.7
TUL1	Leonard	46.92 336	eP	P	09 45 07.3	-1.2	N41A	Harden Midland	49.55 344	P	P	09 45 26.8	-1.8	H39A	Augusta	53.36 345	P	P	09 45 55.5	-1.4
TUL1	Leonard	46.92 336	P	P	09 45 07.8	-0.7	K52A	Tilsonburg	49.59 354	P	P	09 45 27.9	-0.9	E48A	Lookeyer	53.41 353	P	P	09 45 55.6	-1.5
O54A	Avella	46.98 354	P	P	09 45 08.0	-1.0	L46A	Eue Claire	49.69 348	P	P	09 45 27.6	-2.0	S22A	4UR Ranch, Cre	53.56 328	eP	P	09 45 59.4	+0.5
P49A	Miami Univ. Ec	46.99 349	P	P	09 45 07.5	-1.5	M43A	Waltham Townsh	49.73 346	P	P	09 45 28.0	-2.0	S22A	4UR Ranch, Cre	53.56 328	P	P	09 45 58.8	0.0
BLO	Bloomington	47.01 347	eP	P	09 45 07.9	-1.2	TYNO	Tyneside	49.82 355	P	P	09 45 29.9	-0.7	D52A	ZEK Kipawa Sen	53.57 357	P	P	09 45 58.1	-0.2
R43A	Red Bud	47.03 343	P	P	09 45 07.6	-1.7	J55A	Hilton	49.84 357	P	P	09 45 30.4	-0.3	H38A	Malden Rock	53.62 344	P	P	09 45 57.3	-1.4
P48A	Milroy	47.06 348	P	P	09 45 07.7	-1.8	STCO	Saint Catharin	49.87 355	P	P	09 45 30.8	-0.2	D53A	Lac Vacive, Po	53.63 357	P	P	09 45 58.3	-0.5
O52A	Adamsville	47.09 352	eP	P	09 45 09.7	-0.1	N40A	Mertquake, Sal	49.92 343	P	P	09 45 29.7	-1.8	Q24A	Divide	53.64 330	P	P	09 45 57.5	-1.9
O52A	Adamsville	47.09 352	eP	P	09 45 45.8	+0.5	KSU1	Kansas State U	50.01 337	eP	P	09 45 31.3	-0.8	D54A	La Fusel, La	53.67 358	P	P	09 45 58.3	-0.8
O53A	New Philadelphia	47.15 353	P	P	09 45 10.0	-0.4	KSU1	Kansas State U	50.01 337	P	P	09 45 30.9	-1.2	OGNE	Ogallala	53.78 334	P	P	09 46 00.0	-0.1
WMOK	Wichita Mounta	47.21 332	P	P	09 45 10.8	-0.1	J52A	Par	50.02 354	P	P	09 45 31.5	-0.6	X16A	Lo Camp, P	53.82 322	eP	P	09 46 01.6	+0.9
SSPA	Standing Stone	47.22 356	P	P	09 45 11.0	+0.2	ELFO	Elginfield	50.06 353	P	P	09 45 31.1	-1.3	X16A	Lo Camp, P	53.82 322	eP	P	09 46 01.6	+0.9
O51A	Pataskala	47.23 351	P	P	09 45 10.2	-0.7	K48A	Perry	50.06 351	P	P	09 45 31.0	-1.5	F41A	Three Lakes	53.84 347	eP	P	09 46 41.4	+4.4
P47A	Martinsville	47.26 348	P	P	09 45 09.6	-1.4	K47A	Vermontville	50.08 350	P	P	09 45 30.5	-2.1	G39A	Holcombe	53.90 345	P	P	09 45 59.0	-1.8
Q44A	Meyer Farm, Va	47.36 345	P	P	09 45 10.1	-1.8	K46A	Dorr	50.24 349	P	P	09 45 31.8	-2.0	G38A	Ridgeland	53.97 345	P	P	09 45 59.7	-1.5
ACSO	Alum Creek Sta	47.37 351	eP	P	09 45 10.6	-1.4	121A	Cookes Peak, D	50.31 323	P	P	09 45 35.3	+0.6	D46A	Sault St Mari	54.05 352	P	P	09 46 00.5	-1.3
ACSO	Alum Creek Sta	47.37 351	P	P	09 45 11.2	-0.8	M40A	Post Highland	50.38 343	P	P	09 45 32.9	-2.0	ECSD	EROS Data Cent	54.08 340	eP	P	09 46 01.0	-1.2
O50A	Cable	47.39 350	P	P	09 45 11.3	-0.8	L43A	Garden Prairie	50.39 346	P	P	09 45 32.9	-2.0	ECSD	EROS Data Cent	54.08 340	P	P	09 46 00.7	-1.5
N55A	Marion Center	47.45 355	P	P	09 45 12.9	+0.4	319A	Douglas	50.44 321	eP	P	09 45 35.4	-0.3	F40A	Park Falls	54.24 347	P	P	09 46 01.8	-1.4
R41A	Rosebud	47.48 342	P	P	09 45 12.1	-0.8	J48A	Bridge Port	50.50 351	P	P	09 45 34.1	-1.6	SPMN	Marine on St.	54.27 344	eP	P	09 46 02.1	-1.4
Q43A	New Douglas	47.58 344	P	P	09 45 12.5	-1.1	WLVO	Wesleyville	50.53 356	P	P	09 45 35.5	-0.3	SPMN	Marine on St.	54.27 344	P	P	09 46 01.8	-1.7
P46A	Rosedale	47.59 347	P	P	09 45 11.9	-1.7	J47A	Summer	50.60 350	P	P	09 45 35.1	-1.4	F39A	Loretta	54.43 346	P	P	09 46 03.4	-1.2
P45A	Graceland, Par	47.63 346	P	P	09 45 13.3	-0.7	PKRO	Pickering	50.62 356	P	P	09 45 35.9	-0.7	Y14A	Watkenburg	54.48 320	eP	P	09 46 04.6	-0.7
N53A	Lisbon	47.65 353	P	P	09 45 13.9	-0.2	I51A	Listowel	50.63 354	P	P	09 45 35.4	-1.4	ISCO	Idaho Springs	54.51 331	P	P	09 46 06.0	+0.3
N54A	Moraine State	47.72 354	eP	P	09 45 14.4	-0.2	M39A	Webster	50.64 343	P	P	09 45 35.2	-1.7	WUAZ	Wupatki	54.52 323	eP	P	09 46 06.6	+0.9
N54A	Moraine State	47.72 354	P	P	09 45 14.9	+0.3	L41A	Preston	50.73 345	P	P	09 45 35.9	-1.5	WUAZ	Wupatki	54.52 323	P	P	09 46 06.3	+0.6
N52A	McGinn's Farm,	47.76 353	P	P	09 45 14.1	-0.9	I55A	Frankford	50.78 357	P	P	09 45 37.2	-0.6	VLQD	Vai d'Or	54.66 358	eP	P	09 46 06.0	-0.1
O48A	Farmland	47.77 349	P	P	09 45 13.4	-1.6	BNM	Barren Site	50.80 325	eP	P	09 45 39.2	+0.8	VLDO	Loretta	54.68 344	eP	P	09 46 43.2	+0.7
P44A	Sand Creek, Wi	47.79 345	P	P	09 45 13.5	-1.7	L40A	Anamosa	50.91 344	P	P	09 45 38.1	-0.7	F37A	Pierce - Schro	54.71 345	P	P	09 46 05.3	-1.3
Q42A	Golden Eagle	47.79 343	P	P	09 45 13.7	-1.6	BWLO	Walkerton	50.96 354	P	P	09 45 38.2	-0.9	PV01	Paradox Valley	54.77 327	eP	P	09 46 07.7	+0.2
CLNB	Carlsbad	47.85 326	eP	P	09 45 16.3	+0.4	I49A	Point Hope	50.99 352	P	P	09 45 37.8	-1.6	E39A	Mellen	54.78 346	P	P	09 46 05.9	-1.2
N50A	Nevada	47.93 351	P	P	09 45 15.2	-1.0	CBKS	Cedar Bluff	51.03 335	P	P	09 45 39.4	-0.4	PV02	Paradox Valley	54.92 327	eP	P	09 46 08.6	+0.1
O47A	Sheridan	47.96 348	P	P	09 45 14.9	-1.5	DELO	Deloro Mine	51.08 357	P	P	09 45 39.7	-0.2	PV13	Radium Mtn., P	54.93 327	eP	P	09 46 08.7	0.0
Q41A	Truxton	48.04 342	P	P	09 45 15.6	-1.5	J45A	Montague	51.08 349	P	P	09 45 39.1	-1.0	PV13	Radium Mtn., P	54.93 327	eP	P	09 46 08.7	0.0
M55A	Ridgeway	48.11 356	P	P	09 45 17.8	+0.1	H55A	Tweed	51.09 357	P	P	09 45 39.7	-0.4	PV13	Paradox Valley	55.01 327	eP	P	09 46 47.8	+2.6
P43A	Skaggs, Pawnee	48.19 344	P	P	09 45 17.0	-1.3	H56A	Elgin	51.10 358	P	P	09 45 39.6	-0.5	PV05	Paradox Valley	55.02 327	eP	P	09 46 08.4	-0.9
M54A	Oil Creek Stat	48.23 355	eP	P	09 45 17.6	-0.9	K42A	Prairie Point,	51.10 346	P	P	09 45 38.1	-2.1	PV12	Saucer Basin,	55.03 327	eP	P	09 46 08.3	-1.1
M54A	Oil Creek Stat	48.23 355	P	P	09 45 18.5	0.0	LONY	Lake Ozonia	51.10 360	P	P	09 45 39.4	-0.8	PV11	David Mesa, Pa	55.06 327	eP	P	09 46 09.4	-0.1
N49A	Columbus Grove	48.24 350	eP	P	09 45 17.2	-1.4	K41A	Shullsburg	51.17 345	P	P	09 45 39.5	-1.3	PV16	Nywegoner Mesa	55.09 327	eP	P	09 46 11.0	+1.2
N49A	Columbus Grove	48.24 350	P	P	09 45 17.5	-1.1	L39A	Vinton	51.19 343	P	P	09 45 39.6	-1.3	PV17	East Wray Mesa	55.09 327	eP	P	09 46 10.2	+0.5
M53A	Wi Miller and	48.26 354	P	P	09 45 18.4	-0.4	ANMO	Albuquerque	51.28 326	eP	P	09 45 42.7	+0.7	SUSD	Miller	55.52 339	P	P	09 46 11.3	-1.1
SFIN	Lafayette	48.29 347	eP	P	09 45 17.5	-1.5	ANMO	Albuquerque	51.28 326	eP	P	09 46 20.3	+2.3	N23A	Red Feather La	55.52 331	P	P	09 46 12.7	-0.1
SFIN	Lafayette	48.29 347	P	P	09 45 17.0	-2.0	I47A	Gladwin	51.31 351	P	P	09 45 42.1	+0.1	LSQQ	Lebel-sur-Quev	55.58 358	P	P	09 46 12.4	-0.4
MNTX	Cornudas Mount	48.30 324	eP	P	09 45 19.1	-0.2	SCIA	State Center	51.35 342	P	P	09 45 40.3	-1.8	SWSC	Sam W. Stewar	55.68 318	P	P	09 46 14.8	+1.0
MNTX	Cornudas Mount	48.30 324	P	P	09 45 19.0	-0.2	I46A	Reed City	51.40 350	P	P	09 45 40.4	-2.0	U15A	North Rim	55.69 323	eP	P	09 46 15.4	+1.2
O45A	Potomac	48.31 346	P	P	09 45 17.3	-1.9	JFWS	Jewell Farm	51.45 345	P	P	09 45 40.9	-1.9	W13A	Hualapai Mount	55.78 321	eP	P	09 46 15.6	+0.7
N48A	Decatur	48.33 349	P	P	09 45 17.7	-1.6	K40A	Colesburg	51.48 344</											



7d 9h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TPVW Topopah Spring, TCNV Topopah Spring, and many others.

2013 FEB

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like NEW, FCC Fort Churchill, D03D Eldorado, and many others.

600

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HNR Honiara, DZM Mont Dzumac, and many others.

IDC 07 09:40:48.5:0.7, 10:89S:164:85E, h0km, mb4.1/16,

IDC 07 09:44:28.2:1.0, 10:81S:165:54E, h0km, mb3.8/8,





Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like SONMG Sogingo Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, MKAR Makanchi Array, etc.

IDC 07 10:15:31.7.3.1, 10:53S, 162.89E, h0km, mb3.6/4, mb1 3.9/4, mb1mx3.5/36, mbtmp3.6/4, Error ellipse: s-maj=184.5km s-min=27.1km az=140.0,

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

MEX 07 10:16:33.9.0.3, 27.46N, 111.39W, h14km, MD3.5, Gulf of California

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like GUYB Guaymas, SRIG Santa Rosalia, etc.

ISCJJB 07 10:23:26.0.0.6, 10:67S, 0:04:164.84E, 0:05, h10km, mb4.7/57, MS4.4/24, Error ellipse: s-maj=6.7km

IDC 07 10:23:26.0.0.6, 10:58S, 164.61E, h0km, mb4.4/19, mb1 4.6/20, mb1mx4.6/30, mbtmp4.5/20, ML5.1/1, MS4.4/22, MS1.4/4/22, ms1mx4.3/34, Error ellipse: s-maj=21.0km

GCMT 07 10:23:26.0.0.2, 10:66S, 0:02:164.93E, 0:01, h12km, MWS: 1.97 Moment Tensor Solution, s21.c24: s97.c142;

Duration: 0 Moment tensor: Scale 10^16Nm, M1: 1.46e-13; M2: 3.21e-11; M3: 3.87e-11; M4: 1.95e-37; M5: 4.4e-11; M6: 1.49e-36; Best double couple: M4, 832000x10^16

NP1: 200.00000, 671.00000, 148.00000. NP2: 0.30200000, 659.00000, 122.00000. Principal axes: T 4.8430, P1g36.0000, Azm158.0000; P -4.8210, P1g8.0000, Azm253.0000; nsta1 refers to body waves, cutoff=40s.

nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 07 10:23:27.7.0.2, 10:59S, 164.88E, h10km, mb4.9/34 Error ellipse: s-maj=6.8km s-min=5.2km az=88.0

ISC 07 10:23:27.5.0.4, 10:86S, 0:07:164.87E, 0:06, h10km, n111, s158/99, mb4.8/57, MS4.5/25, 2C-1D, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, MARC Mare, Loyalty, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like PPT2 Papeete2, TBI Tubuai, TBI Tubuai, TBI Tubuai, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like NV01 Mina Array Sit, WMQ Urumqi, WMQ Urumqi, etc.

7d 11h

Table with columns: PDGK, Podgomoje, 2.90 75 Pg, Pb, 10 31 56.1 +0.3, 1.4nm, 0.3s, Lg, Lg, 10 32 33.8, 1.7nm, 0.5s, 2.90 75 Pn, Pn, 10 31 52.2 +1.5, 1.2nm, 0.3s, P, P, 10 32 33.3, 4.3nm, 0.8s, 3.80 278 P, P, 10 32 14.0 -2.1, 0.4nm, 0.3s, 3.80 278 P, P, 10 32 33.05, 1.0nm, 0.7s, 3.80 278 P, P, 10 32 33.05

IDC 07 10:31:46.0-1.7, 10'S45S:165'25E, h0km, mb3.4/3, mb1 3.4, mb1mx3.5/26, mbtmp3.6/4, ML3.6/1, Error ellipse: s-maj=53.2km s-min=30.6km az=128.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, DZM Mont Dzumac, 11.52 174 Pn, 10 34 30.4 -1.5, WRA Warrungunga Arr, 31.20 249 P, 10 38 07.3 +0.1, ASAR Alice Springs, 32.58 242 P, 10 38 19.4 0.0, Eielson Array, 83.20 19 P, 10 44 14.0 +0.2, ILAR Eielson Array, 83.20 19 P, 10 44 14.0 +0.2

MEX 07 10:41:05.9-0.5, 15.373N:95.817W, h19km, 17km, MD3.9, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, HUG Huatulco, 0.49 324 P, 10 41 14.4 +1.5, HUG Huatulco, 0.49 324 P, 10 41 20.7 -1.9, VHO Vista Hermosa, 1.91 332 P, 10 41 34.0 -3.7, PHO Pinotepa, 2.45 295 eP, 10 41 51.2 -1.0, VHO Pinotepa, 2.45 295 eP, 10 41 42.4 -2.5

IDC 07 10:46:15.3-1.8, 11'41S:165'86E, h0km, mb3.6/4, mb1 3.8/5, mb1mx3.6/41, mbtmp3.7/5, ML3.5/1, Error ellipse: s-maj=53.3km s-min=31.4km az=123.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, DZM Mont Dzumac, 10.62 177 Pn, 10 48 49.2 +0.3, WRA Warrungunga Arr, 31.46 250 P, 10 52 39.1 +0.1, ASAR Alice Springs, 32.73 242 P, 10 52 49.8 -0.3, ILAR Eielson Array, 83.20 19 P, 10 58 46.1 -0.2, MKAR Makanchi Array, 93.86 317 P, 10 59 35.1 +0.3

IDC 07 10:49:52.1-1.2, 4'90S:144'44E, h0km, mb4.2/9, mb1 4.4/10, mb1mx4.1/39, mbtmp4.2/10, ML4.0/1, Error ellipse: s-maj=37.9km s-min=20.1km az=125.0, DJA 07 10:49:55.7-3.7, 5'S:28'14'E:3'8, h139km, 18km, M5.0/8, mb4.7/8, mb5.2/1, MLV5.2/2, Mw(mb)4.6/1

NEIC 07 10:49:59.1-1.1, 5.04S:144'42E, h54km, 12km, mb4.3/1, Error ellipse: s-maj=11.1km s-min=7.0km az=153.0, ISCJB 07 10:50:00.0-0.5, 5'19S:0'06E, 144'39E:0'06, h82km, mb4.1/11, Error ellipse: s-maj=9.0km s-min=7.9km

IDC 07 10:50:01.0-0.7, 5'19S:0'09E, 144'55E:0'08, h82km, n36, s164/36, mb4.2/12, New Guinea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, JAY Jayapura, 4.66 305 P, 10 51 08.9 -0.1, GENI Genyem, 5.07 300 P, 10 51 16.0 +1.4, RABL Rabaul, 7.51 289 P, 10 51 48.3 -1.6, COEN Coen, 8.82 189 ePn, 10 52 06.6 +0.8, RKPI Ransiki, Papua, 10.98 289 P, 10 52 36.9 +1.7, FAKI Fak Fak, 12.47 280 ePn, 10 52 53.2 -2.3, MTN Mantion Dam, 15.27 239 ePn, 10 53 30.8 -1.2, HNR Honiara, 15.84 106 ePn, 10 53 41.7 +0.2, WRAB Tennant Creek, 17.0 213 eP, 10 54 02.8 +0.6, WB2 Warrungunga Arr, 17.21 213 ePn, 10 54 01.5 -0.6, WRI Warrungunga Arr, 17.21 213 ePn, 10 54 02.8 +0.4, SANI Sanana, 18.78 279 P, 10 54 12.5 -1.4, SOEI Soe, 20.61 256 eP, 10 54 31.5 -2.5, SOEI Soe, 20.61 256 P, 10 54 33.1 -0.8, AS01 Alice Springs, 21.02 208 eP, 10 54 39.2 +1.0, AS31 Alice Springs, 21.04 208 eP, 10 54 42.9 +4.5, ASAR Alice Springs, 21.04 208 P, 10 54 41.2 +2.8, BATI Baumata, 21.28 255 P, 10 54 41.1 +0.1, BATI Baumata, 21.28 255 P, 10 54 40.5 -0.5, FITZ Fitzroy Crossi, 22.50 234 eP, 10 54 52.5 -1.4, FITZ Fitzroy Crossi, 22.50 234 P, 10 54 52.5 -1.4, EDFI Ende, Flores, 22.96 260 P, 10 54 54.6 -4.3, CMAR Chiang Mai Arr, 27.04 299 P, 10 56 53.4 +0.6, VVND Vanda, 72.87 176 eP, 10 11 01.9 -1.5, MK32 Makanchi Array, 75.33 321 eP, 10 11 01 36.0 +0.6, MKAR Makanchi Array, 75.33 321 P, 10 11 01 36.0 +0.6, MKAR Makanchi Array, 75.33 321 P, 10 11 01 36.0 +0.6, ZALV Zalesovo Beam, 77.04 328 P, 10 11 04.4 -0.6, ZALV Zalesovo Beam, 77.04 328 P, 10 11 04.4 -0.6, ZAA1 Zalesovo Array, 77.04 328 P, 10 11 04.4 -0.6, RAN1 Reindeer, 84.39 25 eP, 10 11 02.24 +0.7, DHY Denali Highway, 84.88 25 eP, 10 11 02.29 +0.3, ILAR Eielson Array, 85.71 24 P, 10 11 02.31 +0.6, ILB Eielson Array, 85.71 24 P, 10 11 02.31 +0.6, INK Inuvik, 91.80 22 P, 10 11 03.00 +1.0, NVAR Mina Array Bea, 98.80 52 P, 10 11 03.34 +2.4

IDC 07 10:50:25.1-1.9, 11'21S:164'98E, h0km, mb3.8/3, mb1 4.1/4, mb1mx3.7/39, mbtmp3.9/4, ML3.5/1, Error ellipse: s-maj=53.2km s-min=34.4km az=126.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, DZM Mont Dzumac, 10.89 173 Pn, 10 52 03.2 -0.1, WRA Warrungunga Arr, 30.72 250 P, 10 56 41.4 -0.7, ASAR Alice Springs, 32.05 243 P, 10 56 54.5 +0.6, Eielson Array, 83.91 19 P, 11 02 56.6 0.0, ILAR Eielson Array, 83.91 19 P, 11 02 56.6 0.0

IDC 07 10:52:18.9-1.8, 11'27S:165'11E, h0km, mb3.5/3, mb1 3.9/5, mb1mx3.6/42, mbtmp3.8/5, ML4.4/2, MS4.4/1, Ms1 4.4/1, ms1mx3.0/26, Error ellipse: s-maj=39.2km s-min=32.4km az=129.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, HNR Honiara, 5.40 289 Pn, 10 53 40.9 +0.2, DZM Mont Dzumac, 10.81 173 Pn, 10 54 55.9 +0.8

23.89 FEB

Table with columns: RAO Raoul Island, 23.89 141 LR, 11 04 26.7, WRA Warrungunga Arr, 30.82 250 P, 10 58 37.1 +0.3, ASAR Alice Springs, 32.13 243 P, 10 58 47.8 -0.6, ILAR Eielson Array, 83.93 19 P, 11 04 50.4 -0.1

IDC 07 10:53:29.6-0.9, 15'58S:173'10W, h0km, mb3.9/7, mb1 4.2/7, mb1mx3.9/41, mbtmp3.9/7, MS3.3/2, Ms1 3.3/2, ms1mx3.0/37, Error ellipse: s-maj=48.9km s-min=20.6km az=138.0, ISCJB 07 10:53:32.5-0.8, 15'55S:0'2:173'2W:0.2, h29km, mb3.9/7, MS3.1/1, Error ellipse: s-maj=40.5km s-min=18.0km az=43.0

IDC 07 10:53:34.0-1.0, 15'65S:0'3:173'2W:0.3, h29km, n10, s046/8, mb3.9/7, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, RAR Raotonga, 13.87 116 LR, 11 00 40.6, PPT Papeete, 22.67 98 LR, 11 04 45.3, URZ Ureua, 24.18 109 P, 10 58 47.8 +0.1, WRA Warrungunga Arr, 50.04 257 P, 10 10 26.6 +0.2, ASAR Alice Springs, 50.25 252 P, 10 10 27.8 -0.5, NVAR Mina Array Bea, 74.31 42 P, 10 10 58.4 -0.7, TXAR Lajitas Array, 80.52 56 P, 10 10 54.1 +0.2, ILAR Eielson Array, 82.59 11 P, 10 11 55.40 +0.1, YKA Yellowknife Ar, 90.18 23 P, 11 06 31.6 +0.5, BRTR Keskin Array B, 146.46 321 PKPbc PKPab, 11 13 13.8 0.0

IDC 07 10:55:48.0-0.8, 32'36N:40'15W, h0km, mb4.0/18, mb1 4.2/18, mb1mx4.0/59, mbtmp4.0/18, MS3.8/1, Ms1 3.8/18, ms1mx3.5/42, Error ellipse: s-maj=23.1km s-min=15.0km az=3.0, ISCJB 07 10:55:48.5-0.3, 32'33N:0'07:40'07W:0'06, h13km, mb4.3/41, MS3.8/16, Error ellipse: s-maj=9.9km s-min=6.8km az=173.0, NEIC 07 10:55:49.7-0.3, 32'32N:40'05W, h10km, mb4.5/28, Error ellipse: s-maj=6.6km s-min=5.8km az=171.0, ISC 07 10:55:50.6-0.5, 32.411N:0'09:40'07W:0'08, h13km, n82, s1923/70, mb4.4/41, MS3.8/16, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, ROSA Rosaiss, 11.50 54 ePn, 10 58 33.6 -0.8, DRNL Deer Lake, 21.29 327 eP, 11 00 37.5 +0.8, BATH Bathurst New B, 24.72 314 eP, 11 01 31.0 +1.5, SJG San Juan, 27.46 245 eP, 11 01 37.2 +0.7, SJG San Juan, 27.46 245 LR, 11 01 13.9, SCHE Schefferville, 29.30 328 LR, 11 12 48.2, MDP Montagnes des, 29.61 206 LR, 11 10 55.0, MDT Midelt, 29.90 310 LR, 11 11 12.9, TKL Tuckaleechee C, 36.14 287 eP, 10 10 53.2 +0.6, TKL Tuckaleechee C, 36.14 287 P, 10 10 53.2 +0.6, SDV Santo Domingo, 36.72 237 eP, 10 10 58.4 +0.6, PTGA Pitinga, 37.95 214 eP, 10 10 07.5 -0.6, PTGA Pitinga, 37.95 214 P, 10 10 06.8 -1.3, DBIC Dimbokro, 41.58 120 eP, 10 10 38.1 -0.2, DBIC Dimbokro, 41.58 120 P, 10 10 38.1 -0.2, ROSC El Rosal, 42.15 237 LR, 11 18 44.3, TOA1 Torodi Arr. Sit, 42.68 107 eP, 10 10 46.5 -0.8, TOAO Torodi Arr. Sit, 42.68 107 eP, 10 10 46.4 -0.5, TOAO Torodi Arr. Bea, 42.68 107 P, 10 10 46.5 -0.8, TORO Torodi Arr. Bea, 42.68 107 P, 10 10 46.5 -0.8, NB20 NORSAR Array S, 43.66 33 eP, 10 10 54.7 +0.1, NOA NORSAR Array B, 43.66 33 P, 10 10 54.7 +0.1, NOA NORSAR Array B, 43.66 33 LR, 11 18 37.9, ULM Lac du Bonnet, 44.42 311 LR, 11 22 01.4, H10N2 ASCENSION HYDR6.97 144 T, 11 54 17.7, H10N3 ASCENSION HYDR6.87 144 T, 11 54 03.3, H10N1 ASCENSION HYDR6.88 144 T, 11 54 19.6, H10S1 ASCENSION HYDR7.75 145 T, 11 55 27.9, H10S3 ASCENSION HYDR7.75 145 T, 11 55 27.7, H10S2 ASCENSION HYDR7.76 145 T, 11 55 28.7, WMOK Wichita Mouta, 48.37 290 eP, 10 10 40.4 -1.8, RES Resolute Bay, 49.93 344 eP, 10 11 04.46 +1.1, FIAO FINES Array S, 50.79 35 eP, 10 11 04.50 +0.2, FINES FINES Array B, 50.79 35 P, 10 11 04.50 +0.2, MLR Muntele Ross, 51.61 55 P, 10 11 04.52 +0.4, AKASE Malin Array Be, 52.99 48 P, 10 11 05.62 -0.6, LTX Lajitas, 53.96 285 eP, 10 11 05.13 -1.2, TXAR Lajitas Array, 53.96 285 P, 10 11 05.13 -1.2, TXAR Lajitas Array, 53.96 285 LR, 11 25 44.2, TX31 Lajitas Arr, 53.96 285 eP, 10 11 05.14 -0.4, ANMO Albuquerque, 54.71 292 LR, 11 26 06.1, BW06 Boulder Array, 54.61 302 eP, 10 11 05.18 -0.6, PD31 Pinedale Array, 54.61 302 P, 10 11 05.18 -0.6, PDAR Pinedale Array, 54.61 302 P, 10 11 05.18 -1.1, YKA Yellowknife Ar, 54.75 327 P, 10 11 05.17 -1.8, YKA Yellowknife Ar, 54.75 327 P, 10 11 05.17 -1.8, YKA Yellowknife Ar, 54.75 327 P, 10 11 05.17 -1.8, YKB5 Yellowknife Ar, 54.75 327 eP, 10 11 05.17 -0.7, BNM Barren Site, 54.75 291 eP, 10 11 05.22 +2.4, YMR Madison River, 55.16 305 eP, 10 11 05.24 +1.3, BOZ Bozeman (W), 55.41 306 eP, 10 11 05.24 +0.2, FXWY Fox Creek, 55.45 304 eP, 10 11 05.26 +1.3, HPIG Hopedale, 56.47 283 eP, 10 11 05.32 +0.2, KLMR Klimovskoe, 57.31 35 eP, 10 11 05.36 -1.2, KLMR Klimovskoe, 57.31 35 AMP, 10 11 05.45 -1.1, DUG Dugway, 57.45 300 eP, 10 11 05.41 +0.8, WU45 Wupatki, 58.02 294 eP, 10 11 05.45 +1.5

Table with columns: NEW Newport, 58.43 310 LR, 11 30 06.3, BR10 Keskin Array S, 58.49 60 eP, 11 05 46.9 +0.2, BRTR Keskin Array B, 58.49 60 eP, 11 05 46.9 +0.2, MNMC Minye Minye, 58.53 213 eP, 11 05 44.5 -2.6, PB11 IPOC Station P, 59.11 213 eP, 11 05 48.5 -2.5, CPUP Villa Florida, 60.69 198 eP, 11 05 04.6 +3.0, CPUP Villa Florida, 60.69 198 P, 11 05 04.6 +3.0, J08A Circle Bar Ran, 60.73 305 eP, 11 06 03.0 +1.0, INK Inuvik, 61.56 335 eP, 11 06 05.8 -1.2, INK Inuvik, 61.56 335 P, 11 06 05.8 -1.2, INK Inuvik, 61.56 335 LR, 11 32 27.7, NV01 Mina Array Bea, 62.25 300 eP, 11 06 11.5 -0.9, NVAR Mina Array Bea, 62.25 300 P, 11 06 11.5 -0.9, DLBC Dease Lake, 63.00 324 LR, 11 33 00.3, GO02 Gungahlin, 63.81 210 eP, 11 06 22.0 -0.9, ILAR Eielson Array, 67.84 334 P, 11 06 48.1 0.0, ILAR Eielson Array, 67.84 334 LR, 11 34 09.1, HARP HAARP, 68.31 331 eP, 11 06 47.2 -3.9, NRIK Noril'sk, 71.61 17 P, 11 07 12.8 +1.6, ABKAR Abkulaq array, 72.14 43 eP, 11 07 15.5 +0.8, TIXI Tiksi, 75.93 4 eP, 11 07 37.1 +0.6, KURK Kurchatov, 81.16 34 eP, 11 08 06.2 +0.5, ZAA1 Zalesovo Array, 81.70 29 eP, 11 08 08.9 +0.3, ZAA0 Zalesovo Array, 81.70 29 eP, 11 08 09.5 +1.0, ZALV Zalesovo Beam, 81.70 29 eP, 11 08 09.5 +0.4, ZALV Zalesovo Beam, 81.70 29 P, 11 08 08.8 +0.3, CHGR Chuyangon, 83.47 48 eP, 11 08 20.1 +1.9, MAK2 Makanchi Array, 85.44 36 eP, 11 08 20.8 +0.1, MK31 Makanchi Array, 85.61 36 eP, 11 08 28.0 -0.8, MK32 Makanchi Array, 85.61 36 eP, 11 08 28.2 -0.6, MKAR Makanchi Array, 85.61 36 P, 11 08 28.2 -0.6, MK01 Makanchi Array, 85.63 36 eP, 11 08 28.9 0.0, ASAR Alice Springs, 169.73 33 PKPab PKPab, 11 17 11.8 -0.6

IDC 07 10:56:55.2-0.8, 10'88S:165'51E, h0km, mb4.0/8, mb1 4.2/10, mb1mx3.9/46, mbtmp4.1/10, ML4.5/2, Error ellipse: s-maj=25.7km s-min=19.4km az=147.0, NEIC 07 10:56:56.0-0.5, 10'82S:165'48E, h10km, mb4.3/5, Error ellipse: s-maj=12.1km s-min=11.0km az=160.0, ISCJB 07 10:56:57.2-0.5, 10'91S:0'08:165'49E:0'06, h30km, mb4.1/11, Error ellipse: s-maj=11.4km s-min=7.8km az=15.6

IDC 07 10:56:59.2-0.6, 10'83S:0'10:165'54E:0'07, h30km, n24, s1938/25, mb4.0/11, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, HNR Honiara, 5.67 284 ePn, 10 58 22.1 +0.6, HNR Honiara, 5.67 284 ePn, 10 58 22.3 +0.8, HNR Honiara, 5.67 284 ePn, 10 58 25.9 +0.2, HNR Honiara, 5.67 284 P, 10 58 22.1 +0.6, HNR Honiara, 5.67 284 P, 10 58 25.9 +0.2, MARE Mare, Loyalty, 10.86 168 ePn, 10 59 41.6 +9.0, DZM Mont Dzumac, 11.21 176 ePn, 10 59 36.3 -1.2, DZM Mont Dzumac, 11.21 176 Pn, 10 59 35.9 -1.6, PINNC Pines Island, 11.86 171 ePn, 10 59 47.3 +1.0, FUNA Funafuti, 13.66 82 ePn, 11 00 11.1 +0.1, CTA Charters Tower, 20.72 241 P, 11 01 38.5 +1.2, H11S2 WAKE ISLAND Hy 29.16 2 T, 11 33 33.3, H11S3 WAKE ISLAND Hy 29.16 2 T, 11 33 30.5, H11S1 WAKE ISLAND Hy 29.16 2 T, 11 33 34.5, URZ Ureweira, 29.21 161 P, 11 02 58.3 +0.1, BKZ Black Stump Fm, 29.86 163 eP, 11 03 05.0 +1.0, WR1 Warrungunga Arr, 31.36 249 eP, 11 03 16.6 -0.9, WRA Warrungunga Arr, 31.36 249 P, 11 03 16.6 -0.9, WRA Warrungunga Arr, 31.36 249 P, 11 03 16.6 -0.9, AS31 Alice Springs, 32.70 243 eP, 11 03 28.3 -1.0, ASAR Alice Springs, 32.70 243 P, 11 03 28.3 -1.0, ASAR Alice Springs, 32.70 243 P, 11 03 28.3 -1.0, SONAO Songoing Array, 78.37 324 eP, 11 08 54.1 -2.8, ILAR Eielson Array, 83.38 19 P, 11 09 24.3 +1.2, ILB Eielson Array, 83.38 19 eP, 11 09 24.3 +1.2, YERR Yerington, 85.51 49 eP, 11 09 31.4 -3.4, NVAR Mina Array Bea, 86.05 50 P, 11 09 38.5 +1.0, PDAR Pinedale Array, 93.56 47 P, 11 10 14.7 +2.0, YKA Yellowknife Ar, 94.88 27 P, 11 10 17.7 -0.3

IDC 07 11:03:40.1-1.7, 11'14S:164'49E, h0km, mb3.5/3, mb1 3.8/4, mb1mx3.5/46, mbtmp3.6/4, ML3.4/1, Error ellipse: s-maj=52.6km s-min=32.0km az=128.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, DZM Mont Dzumac, 11.03 170 Op, 11 06 19.2 -0.3, WRA Warrungunga Arr, 30.29 250 P, 11 09 53.8 +0.4, ASAR Alice Springs, 31.65 243 P, 11 10 05.0 -0.3, ILAR Eielson Array, 84.00 19 P, 11 16 12.1 0.0

ISCJB 07 11:09:36.0-0.5, 37'21N:0'05:136'89E:0'09, h250km, mb3.0/1, Error ellipse: s-maj=9.5km s-min=6.9km az=173.0

IDC 07 11:09:35.7-1.1, 37'11N:136'86E, h255km, 15km, mb2.7/1, mb1 3.2/6, mb1mx2.8/58, mbtmp3.9/6, Error ellipse: s-maj=28.1km s-min=14.3km az=72.0, JMA 07 11:09:35.2-3.7, 13N:137'09E, h272km, M2.8, ISC 07 11:09:36.3-1.0, 37'16N:0'08:136'95E:0'08, h250km, n24, s1151/27, Near west coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h m s ISC, DZM Mont Dzumac, 11.03 170 Op, 11 10 19.2 -0.3, WRA Warrungunga Arr, 30.29 250 P, 11 09 53.8 +0.4, ASAR Alice Springs, 31.65 243 P, 11 10 05.0 -0.3, ILAR Eielson Array, 84.00 19 P, 11 16 12.1 0.0, MAS Matsu, 0.43 49 Op, 11 10 13.0 +1.4, JAT Satozushi, 1.18 121 Pn, 11 10 13.0 +0.5, MAT Matsu, 1.18 121 eS, 11 10 13.2 +0.7, MAT Matsu, 1.18 121 P, 11 10 13.2 +0.7, MJAR Matsuhiro Arr, 1.18 121 P, 11 10 13.4 +0.8, NSAKA Nsaka, 1.19 129 P, 11 10 13.4 +0.8, JYTA Yamagatanai, 1.58 186 P, 11 10 16.3 +1.0, JHK Hiroka, 1.65 86 P, 11 10 16.1 +0.3, JRY Ryogami san, 1.94 126 P, 11 10 18.6 +0.3







2013 FEB

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like PETK, ENH, NONG, PBK, XAN, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like KVN, SWSC, HEC, BELC, FURC, SHOC, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like SALLI, IGUA, BMAS, etc.

IDC 07 11:33:47.3±1.7, 10.765x164.52E, h0km, mb3.6/3, mb1.4/0.4, mb1mx3.6/40, mbtmp3.7/4, ML3.8/1.0, Error ellipse: s-maj=51.0km s-min=31.5km az=127.0, Santa Cruz Islands region

JMA 07 11:43:14.6±0.1, 23.70N, 121.54E, h0km, 1km, M3.2, TAP 07 11:43:15.9, 23.76N, 121.41E, h20km, ML3.6, B, ISCJBP 07 11:43:16.0, 23.73N, 121.41E, h20km, 2km, Error ellipse: s-maj=2.6km s-min=1.8km az=30.6

ISC 07 11:43:16.1±0.2, 23.73N, 121.44E, h0.02, h22km, 2km, n108, 0874/159, 7C-17D, Taiwan

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like EGFH, EGFH, ESL, ENLB, etc.

IGQ 07 11:33:08.8±0.3, 2°S, 3°W, h58km, MLV3.6, Near coast of Ecuador



7d 12h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WAKE ISLAND Hy 29.73, WARRAMUNGA ARR 30.66, WARRAMUNGA ARR 30.66, WAKE ISLAND Hy 30.93, WAKE ISLAND Hy 30.94, WAKE ISLAND Hy 30.95, ALICE SPRINGS 31.97, ASAR Alice Springs 31.97, CMAR Chiang Mai Arr 71.54, SONA1 Songoing Array 78.47, GQSPA South Pole Qui 78.65, GTA Gaotai 78.73, ILAR Eielson Array 84.05, NVAR Mina Array Bea 86.81, MK32 Makanchi Array 93.23, MKAR Makanchi Array 93.67, PDAR Pinedale Array 94.33, YKA Yellowknife Arr 95.60, LTX Lajitas 96.65, TXAR Lajitas Array 96.65.

IDC 07 12:17:08.3:4.4, 10'48S:164.71E, h0km, mb3.6/3, mb1 3.9/3, mb1mx3.5/45, mbtmp3.6/3, Error ellipse: s-maj=230.4km s-min=34.0km az=138.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr 30.73, ASAR Alice Springs 32.15, ILAR Eielson Array 83.30.

IDC 07 12:18:31.4:1.2, 11'01S:164.71E, h0km, mb4.1/6, mb1 4.3/9, mb1mx3.9/49, mbtmp4.2/9, ML4.2/3, Error ellipse: s-maj=31.5km s-min=24.0km az=135.0, NEIC 07 12:18:32.0:2.7, 11'02S:164.73E, h10km, mb4.5/4, Error ellipse: s-maj=13.5km s-min=11.1km az=72.0, ISCBJ 07 12:18:34.0:0.8, 11'15S:0.10:164.70E:0.09, h29km, mb4.1/9, Error ellipse: s-maj=15.5km s-min=10.0km az=37.4

IDC 07 12:18:35.9:0.9, 11'11S:0.10:164.7E:0.1, h29km, n17, -082/21, mb4.1/9, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR Honiara 4.98, DZM Mont Dzumac 11.06, CTA Charters Tower 19.91, BKZ Black Stump Fm 29.88, WRA Warramunga Arr 30.54, WRA Warramunga Arr 30.54, WRA Warramunga Arr 30.54, AS31 Alice Springs 31.89, ASAR Alice Springs 31.90, ASAR Alice Springs 31.90, ASAR Alice Springs 31.90, FITZ Fitzroy Crossi 38.41, FITZ Fitzroy Crossi 38.41, FITZ Fitzroy Crossi 38.41, SONA1 Songoing Array 78.10, ILAR Eielson Array 83.85, MK32 Makanchi Array 92.86, MKAR Makanchi Array 92.86.

IDC 07 12:19:59.1:6, 11'20S:165.62E, h0km, mb3.6/4, mb1 3.9/5, mb1mx3.6/48, mbtmp3.7/5, ML3.7/1, Error ellipse: s-maj=51.8km s-min=29.7km az=124.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac 10.84, WRA Warramunga Arr 31.32, ASAR Alice Springs 32.24, ILAR Eielson Array 83.59, MKAR Makanchi Array 93.55.

IDC 07 12:23:36.5:1.7, 11'18S:165.67E, h0km, mb3.6/3, mb1 3.9/5, mb1mx3.6/50, mbtmp3.8/5, ML4.0/2, Error ellipse: s-maj=41.7km s-min=31.5km az=131.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR Honiara 5.89, DZM Mont Dzumac 10.85, WRA Warramunga Arr 31.36, ASAR Alice Springs 32.24, ILAR Eielson Array 83.67.

IDC 07 12:25:59.9:0.5, 11'34S:165.05E, h0km, mb4.4/18, mb1 4.5/21, mb1mx4.4/47, mbtmp4.4/21, ML4.1/3, MS3.7/6, MS1.3/7, ms1mx3.4/36, Error ellipse: s-maj=18.2km s-min=14.8km az=121.0, ISCBJ 07 12:26:00.0:0.2, 11'37S:0.05:164.87E:0.04, h5km, mb4.5/56, MS3.8/4, Error ellipse: s-maj=7.3km s-min=5.9km az=166.4, NEIC 07 12:26:02.0:0.2, 11'31S:164.91E, h10km, mb4.6/35, Error ellipse: s-maj=7.7km s-min=5.5km az=140.0, ISCB 07 12:26:01.3:0.7, 11'39S:0.07:164.97E:0.07, h6km, 3km, h6km, p-P, n101, 11'15S:103, mb4.6/56, MS3.7/4, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR Honiara 5.89, DZM Mont Dzumac 10.84, WRA Warramunga Arr 31.36, ASAR Alice Springs 32.24, ILAR Eielson Array 83.67.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR Honiara 5.53, HNR Honiara 5.53, HNR Honiara 5.53, HNR Honiara 5.53, DZM Mont Dzumac 10.19, DZM Mont Dzumac 10.19, DZM Mont Dzumac 10.19, DZM Mont Dzumac 10.19, CTA Charters Tower 19.24, CTA Charters Tower 19.24, CTA Charters Tower 19.24, CTA Charters Tower 19.24, COEN Coen 21.34, ARMA Armidale 22.17, STKA Stephens Creek 29.28, STKA Stephens Creek 29.28, STKA Stephens Creek 29.28, H1S2 WAKE ISLAND Hy 30.27, H1S3 WAKE ISLAND Hy 30.28, H1S1 WAKE ISLAND Hy 30.29, WB2 Warramunga Arr 30.46, WRAB Tennant Creek 30.46, WRA Warramunga Arr 30.47, WRA Warramunga Arr 30.47, WRA Warramunga Arr 30.47, WRA Warramunga Arr 30.47, H1N1 WAKE ISLAND Hy 31.50, H1N2 WAKE ISLAND Hy 31.52, H1N3 WAKE ISLAND Hy 31.50, AS01 Alice Springs 31.68, ASAR Alice Springs 31.72, ASAR Alice Springs 31.72, RPZ Rata Peaks 32.11, RPZ Rata Peaks 32.11, FITZ Fitzroy Crossi 38.42, MAJOR Matsuhiro Arr 54.41, MAJ Matushiro 54.41, KSRS Kora Array 60.18, KSAR Songoing Array 78.10, USRK Usuraku Arr 78.30, BKNI Bangkinang 64.60, IPM Ipooh 65.63, NONG Nongkai 67.89, PBKT Sadao Pong 69.29, UTTA Utatarid 70.32, XAN Xian 70.16, CMAR Chiang Mai Arr 71.77, CMMT Chiang Mai 71.89, CHTO Chiang Mai 71.89, HHC Hu-ho-hao-te 72.01, HHC Hu-ho-hao-te 72.01, GSPA South Pole Qui 78.08, GSPA South Pole Qui 78.08, SONA Songoing Array 78.93, SONA Songoing Array 78.93, SONA1 Songoing Array 78.93, GTA Gaotai 79.12, GTA Gaotai 79.12, BRD Bariatadha 79.59, RSO Roshan South 79.60, BILL Bilibino 79.76, CAST Castle Rocks 82.02, DIV Div 82.50, KLU Klutina 82.69, IM3 Indian Mountain 83.17, WRH Wood River Hill 84.00, MDM Murphy Dome 84.30, HDA Hang Lake 84.32, RIDG Independent Rid 84.56, IL1 Eielson Array 84.59, ILAR Eielson Array 84.59, ILB Eielson Array 84.59, SCFR Sand Creek 85.00, AFB Forest Hills D 85.35, CMB Columbia Colle 85.49, BBB Bella Bella 85.73, NV01 Mina Array Sit 87.10, NVAR Mina Array Bea 87.17, NV11 Mina Array Sit 87.28, YLA Glamis 88.37, Y1P2 Indian Mountain 88.50, SHPR Sheep Range 89.02, R11A Troy Canyon, C 89.19, E09A Wood Farm, Sta 89.72, BMO Blue Mountains 89.74, ELK Elk 90.14, ELK Elk 90.14, LCMT Little Creek M 90.42, CCUT Cedar City 90.68, SZCU Shurt Canyon 90.90, KNC Kanab 90.97, U15A North Rim 91.24, HLD Hailey 91.43, MTPU Mount Pierson 91.71.

IDC 07 12:26:00.0:0.2, 11'37S:0.05:164.87E:0.04, h5km, mb4.5/56, MS3.8/4, Error ellipse: s-maj=7.3km s-min=5.9km az=166.4, NEIC 07 12:26:02.0:0.2, 11'31S:164.91E, h10km, mb4.6/35, Error ellipse: s-maj=7.7km s-min=5.5km az=140.0, ISCB 07 12:26:01.3:0.7, 11'39S:0.07:164.97E:0.07, h6km, 3km, h6km, p-P, n101, 11'15S:103, mb4.6/56, MS3.7/4, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR Honiara 5.53, HNR Honiara 5.53, HNR Honiara 5.53, HNR Honiara 5.53, DZM Mont Dzumac 10.19, DZM Mont Dzumac 10.19, DZM Mont Dzumac 10.19, DZM Mont Dzumac 10.19, CTA Charters Tower 19.24, CTA Charters Tower 19.24, CTA Charters Tower 19.24, CTA Charters Tower 19.24, COEN Coen 21.34, ARMA Armidale 22.17, STKA Stephens Creek 29.28, STKA Stephens Creek 29.28, STKA Stephens Creek 29.28, H1S2 WAKE ISLAND Hy 30.27, H1S3 WAKE ISLAND Hy 30.28, H1S1 WAKE ISLAND Hy 30.29, WB2 Warramunga Arr 30.46, WRAB Tennant Creek 30.46, WRA Warramunga Arr 30.47, WRA Warramunga Arr 30.47, WRA Warramunga Arr 30.47, WRA Warramunga Arr 30.47, H1N1 WAKE ISLAND Hy 31.50, H1N2 WAKE ISLAND Hy 31.52, H1N3 WAKE ISLAND Hy 31.50, AS01 Alice Springs 31.68, ASAR Alice Springs 31.72, ASAR Alice Springs 31.72, RPZ Rata Peaks 32.11, RPZ Rata Peaks 32.11, FITZ Fitzroy Crossi 38.42, MAJOR Matsuhiro Arr 54.41, MAJ Matushiro 54.41, KSRS Kora Array 60.18, KSAR Songoing Array 78.10, USRK Usuraku Arr 78.30, BKNI Bangkinang 64.60, IPM Ipooh 65.63, NONG Nongkai 67.89, PBKT Sadao Pong 69.29, UTTA Utatarid 70.32, XAN Xian 70.16, CMAR Chiang Mai Arr 71.77, CMMT Chiang Mai 71.89, CHTO Chiang Mai 71.89, HHC Hu-ho-hao-te 72.01, HHC Hu-ho-hao-te 72.01, GSPA South Pole Qui 78.08, GSPA South Pole Qui 78.08, SONA Songoing Array 78.93, SONA Songoing Array 78.93, SONA1 Songoing Array 78.93, GTA Gaotai 79.12, GTA Gaotai 79.12, BRD Bariatadha 79.59, RSO Roshan South 79.60, BILL Bilibino 79.76, CAST Castle Rocks 82.02, DIV Div 82.50, KLU Klutina 82.69, IM3 Indian Mountain 83.17, WRH Wood River Hill 84.00, MDM Murphy Dome 84.30, HDA Hang Lake 84.32, RIDG Independent Rid 84.56, IL1 Eielson Array 84.59, ILAR Eielson Array 84.59, ILB Eielson Array 84.59, SCFR Sand Creek 85.00, AFB Forest Hills D 85.35, CMB Columbia Colle 85.49, BBB Bella Bella 85.73, NV01 Mina Array Sit 87.10, NVAR Mina Array Bea 87.17, NV11 Mina Array Sit 87.28, YLA Glamis 88.37, Y1P2 Indian Mountain 88.50, SHPR Sheep Range 89.02, R11A Troy Canyon, C 89.19, E09A Wood Farm, Sta 89.72, BMO Blue Mountains 89.74, ELK Elk 90.14, ELK Elk 90.14, LCMT Little Creek M 90.42, CCUT Cedar City 90.68, SZCU Shurt Canyon 90.90, KNC Kanab 90.97, U15A North Rim 91.24, HLD Hailey 91.43, MTPU Mount Pierson 91.71.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BGU Big Grassy Mout 91.76, MSU Marysvale 91.82, MSU Marysvale 91.82, MSU Marysvale 91.82, MSU Marysvale 91.82, MK32 Makanchi Array 93.64, MKAR Makanchi Array 93.64, MKAR Makanchi Array 93.64, MKAR Makanchi Array 93.64, ZALV Zalesovo Beam 93.82, ZAA1 Zalesovo Array 93.83, MAKZ Makanchi 93.86, PDAR Pinedale Array 94.70, YKA Yellowknife Arr 96.10, YKB5 Yellowknife Arr 96.10, LTX Lajitas 96.62, TXAR Lajitas Array 96.62, AR0A ARCES Array B 116.99, AR0A ARCES Array B 116.99, ES19 SONCECA Array 150.63, ESDC Sonceca Array 150.63, ESCD Sonceca Array 150.63, TORO Torodi Arr. Sit 163.63, TORO Torodi Arr. Sit 163.63, TOA1 Torodi Arr. Sit 163.63.

ISCJB 07 12:26:03.6:0.5, 39'66N:0.03:28'90E:0.03, h1km, 6km, Error ellipse: s-maj=4.6km s-min=4.1km az=160.4, DDA 07 12:26:03.2, 39'64N:28'89E, h7km, 2km, ML2.8, ISK 07 12:26:03.4, 39'62N:28'88E, h8km, ML2.4/0, ISC 07 12:26:03.5:1.4, 39'64N:0.03:28'88E:0.03, h9km, 12km, n19, -069/26, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DURS Dursunbey 0.31, TVSB Tavsani 0.49, DEMI Demirci 0.61, GDZ Gediz 0.72, MDNY Mudanya-Bursa 0.73, KCXT Karamlik 0.74, GEMT Gemlik 0.83, CAVI CAVUSKOPU 0.93, STEP BALIKESIR\_Sava 0.93, STEP STEP 0.93, YLVO Yalova 1.00, GONE Gonen-Balikesi 1.00, EDN Edinick 1.05, AKHS Akhisar 1.12, KULA Kula-Manisa 1.14, MANT Manisa 1.17, BORA Eskisehir 1.24, GULT Gulvereh 1.49, SILT Sile 1.62, AUSIV SIVRIHISAR 2.07.

IDC 07 12:31:18.5:0.9, 11'65S:164.94E, h0km, mb4.2/11, mb1 4.4/14, mb1mx4.2/37, mbtmp4.2/14, ML4.0/3, MS4.2/1, Ms1 4.2/1, ms1mx3.1/35, Error ellipse: s-maj=26.0km s-min=18.8km az=132.0, NEIC 07 12:31:20.4:0.3, 11'65S:164.92E, h10km, mb4.6/12, Error ellipse: s-maj=8.1km s-min=6.4km az=97.0, ISCBJ 07 12:31:22.3:0.4, 11'77S:0.06:164.84E:0.07, h34km, mb4.4/21, MS4.2/1, Error ellipse: s-maj=10.0km s-min=6.2km az=153.0, ISC 07 12:31:23.8:0.6, 11'70S:0.09:164.96E:0.08, h34km, n43, -1529/46, mb4.4/21, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR Honiara 5.42, HNR Honiara 5.42, HNR Honiara 5.42, HNR Honiara 5.42, DZM Mont Dzumac 10.41, PINN Pines Island, CTA Charters Tower 19.81, CTA Charters Tower 19.81, COEN Coen 21.35, CAN Canberra 27.61, BKZ Black Stump Fm 29.21, STKA Stephens Creek 29.43, STKA Stephens Creek 29.43, H1S2 WAKE ISLAND Hy 30.05, H1S3 WAKE ISLAND Hy 30.05, H1S1 WAKE ISLAND Hy 30.07, WRAB Tennant Creek 30.52, WB2 Warramunga Arr 30.52, WB2 Warramunga Arr 30.52, WRA Warramunga Arr 30.53, ASAR Alice Springs 31.84, ASAR Alice Springs 31.84, RAR Rarotonga 35.05, MJAR Matsuhiro Arr 54.20, MAJO Matushiro Arr 54.20, CMAR Chiang Mai Arr 71.67, GQSPA South Pole Qui 78.31, SONA Songoing Array 78.74, SONM Songoing Array 78.74, HARP HAARP 83.37, HDA Harding Lake 84.11, ILAR Eielson Array 84.38.

Table with columns: ILB, Eielson Array, 84.38 19 eP, P, 12 43 53.7 +1.5, etc.

Table with columns: STKA, Stephens Creek, 30.26 223 P, P, 12 42 59.0 -0.8, etc.

Table with columns: QIZ, comp=Z,400nm,21.1s, LR, LR, 12 47 13.0 0.0, etc.

IDC 07 12:36:46.5:0.4, 10:87S:165:26E, h0km, mb4.8/21, mb1.5/0.23, mb1mx4.9/29, mbmp4.8/23, ML5.3, MS4.4/31, MS1.4/31, ms1mx4.3/38, Error ellipse: s-maj=3.3km

IS/CJB 07 12:36:48.9:0.1, 10:87S:0:02:165:14E:0:03, h20km, mb5.0/171, MS4.5/40, Error ellipse: s-maj=3.6km

NEIC 07 12:36:48.8:0.1, 10:82S:165:19E, h10km, mb5.1/128, Error ellipse: s-maj=4.0km s-min=3.3km az=119.0

MOS 07 12:36:50.8:1.0, 10:85S:165:11E, h33km, mb5.1/57, MS4.4/10, Error ellipse: s-maj=8.3km s-min=7.7km

GCMT 07 12:36:51.8:0.1, 10:92S:0:01:165:06E:0:01, h17km, MW5.2/108, Moment Tensor Solution, s76.c107, s108.c184; Duration: 1s0 Moment tensor: Scale 1017 Nm; Mw=0.65±0.02; Mww=0.11±0.1; Mww0.76±0.1; Mm0.25±0.04; Mm0.09±0.11; Mm0.36±0.03; Best double couple: Mo.84100:107: NP1.9:194.00000: 661.00000, lambda=67.00000, NP2.0:333.00000: 636.00000, lambda=125.00000. Principal axes: T 0.8510, P1g3.0000, Azm268.0000; N -0.0180, P1g20.0000, Azm3.0000; P -0.6320, P1g66.0000; Azm147.0000; nstai refers to body waves, cutoff=50s, nstai2 refers to surface waves, cutoff=50s. Triangular moment-rate function.

ISC 07 12:36:50.2:0.5, 10:88S:0:05:165:31E:0:05, h21km, mb5.0/171, MS4.5/41, 13C-2D, Santa Cruz Islands

Main station list table with columns: Code, Station Name, Az, Phase ID, Time Res, etc.

Main station list table with columns: STKA, Stephens Creek, 30.26 223 P, P, 12 42 59.0 -0.8, etc.

Main station list table with columns: QIZ, comp=Z,400nm,21.1s, LR, LR, 12 47 13.0 0.0, etc.









Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC, H, M, S, ISC. Rows include H11S2 WAKE ISLAND Hy 29.45, H11S3 WAKE ISLAND Hy 29.45, H11S1 WAKE ISLAND Hy 29.47, STKA Stephens Creek 29.80, WRAB Tennant Creek 30.61, WRA Warramunga Arr 30.62, WRA Warramunga Arr 30.62, H11N1 WAKE ISLAND Hy 30.68, H11N3 WAKE ISLAND Hy 30.68, H11N2 WAKE ISLAND Hy 30.69, ASAR Alice Springs 31.97, ASAR Alice Springs 31.97, RPZ Rata Peaks 32.95, RPZ Rata Peaks 32.95, FITZ Fitzroy Crossi 38.50, BATI Baumata 40.45, PPT2 Papeete2 44.56, TBI Tubuai 45.15, RAK Rikitea 58.42, ASAJ Asashika 54.54, USRK Ussuriysk Arr 62.59, PETK Petropavlovsk- 64.23, KLR Kul'dur 66.74, COMR Chiang Mai Arr 71.31, COMR Songoing Array 78.17, GSPA South Pole Qui 78.92, ILVAR Eielson Array 83.84, INAR Mina Array Bea 86.74, MKAR Makanchi Array 92.94

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC, H, M, S, ISC. Rows include WSAR Warramunga Arr 5.08, YZKH Yazd 5.08, YZKH Yazd 5.08, IMZR Muzera 5.18, IMZR Ramesheh 5.48, TPRV Parvadeh/Tybas 5.50, ANAR Anar 6.08, IGAR Gharneh 6.12, DMT0 DMT0 9.84, NIL Nilore 15.81, MMAI Mount Meron Arr 18.87, KBZ Khabaz 19.47, AAK Ala-Archa 21.12, AAK Ala-Archa 21.12, BR13 Keskin Array S 22.40, BRTR Keskin Array B 22.40, AKTO Aktyubinsk 22.92, BVAR Borovoye Array 27.55, MKAR Makanchi Array 28.05, KURB Kurchatov Arr 28.80, GERES GERSSE Array B 30.73, FINES FINES Array B 39.49, WATA Walderalm 40.31, SOTA Sankt Quirin 40.23, MOTA Moosalm 40.32, FETA Feichten 40.31, DAVOX Davos/Dischmat 41.02, DAVA Darnum 41.12, HFS Hagfros 43.54, SONM Songoing Array 43.65, NB2 NORSTAR 45.05, NOA NORSTAR Arr 45.05, NRK1 Noril'sk 45.64, ARCES ARCES Array B 45.70, ESCH Sonseca Array 50.80, TORO Torodi Arr. Bea 52.79, SPITS Spitsbergen Arr 53.84, KSAR Wonju Array Be 59.89, KRSR Koryu Array Be 59.61, BOSB Boshof 63.26, ILAR Eielson Array 86.25, WRA Warramunga Arr 88.99, YKA Yellowknife Arr 90.11, ASAR Alice Springs 90.48

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC, H, M, S, ISC. Rows include MJAR Matsushiro Arr 54.19, MAJO Matsushiro Arr 54.19, USRK Ussuriysk Arr 63.17, PETK Petropavlovsk- 64.78, PEAK Petropavlovsk- 64.78, KLR Kul'dur 67.53, CMAR Chiang Mai Arr 71.74, SEY Seymchan 74.97, SONA Songoing Array 78.74, SONM Songoing Array 78.74, GSPA South Pole Qui 78.92, ILVAR Eielson Array 83.84, INAR Mina Array Bea 86.74, MKAR Makanchi Array 92.94, ZALV Zalesovo Beam 93.64, ZAA1 Zalesovo Array 93.64, PDAR Pinedale Array 94.42, YKA Yellowknife Arr 95.78, LTX Lajitas 96.68, TXAR Lajitas Array 96.68, WYNT Wawoyt Mountain 111.71, ARAO ARCES Array S 116.72, ARCES ARCES Array B 116.72

IDC 07 13:42:07.3, 0.8, 27.45N:56.23E, h0km, mb4, 1/25, mb1 4.2/27, mb1mx4.1/61, mbmp4.1/27, ML3.8/2, Error ellipse: s-maj=17.5km s-min=13.9km az=175.0, NEIC 07 13:42:08.5, 0.0, 27.52N:56.31E, h7km, mb4, 3/2, MN4.0(TEH), After TEH.

MEX 07 13:43:34.9, 0.5, 28.07N:112.30W, h4km, 11km, MD3.5, Gulf of California

ISCJB 07 13:46:34.7, 0.2, 10.84S:103.165E, 68E:0.04, h10km, mb4, 7/47, MS4.4/6, Error ellipse: s-maj=5.4km s-min=4.2km az=165.8, IDC 07 13:46:34.0, 0.5, 10.74S:165.76E, h0km, mb4, 5/23, mb1 4.6/25, mb1mx4.5/41, mbmp4.5/25, ML4.7/2, MS4.2/5, Ms1 4.2/5, ms1mx3.7/34, Error ellipse: s-maj=16.4km s-min=13.3km az=106.0, NEIC 07 13:46:35.7, 0.3, 10.75S:165.71E, h10km, mb5.2/23, Error ellipse: s-maj=6.9km s-min=5.2km az=75.0, ISC 07 13:46:35.0, 0.4, 10.77S:105.165E, 81E:0.06, h10km, n124, r162/123, mb4.7/47, MS4.3/6, 1D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC, H, M, S, ISC. Rows include GENO Genoa 0.17, NIAN Nian 0.46, SHME Shamn 1.47, SHME Shamn 1.47, BANOM Banah 1.59, MSFE Esma-Masafi 2.15, MSFE Esma-Masafi 2.15, MDH Madha 2.21, MDH Madha 2.21, MDH Madha 2.21, KRBR Kerman 2.49, TVBK TV Kerman 2.49, UOSS Minazif 2.56, UOSS Minazif 2.56, UOSS Minazif 2.56, CHMN Cheshme madani 2.57, NAZ Nazwa, Dubai 2.58, NAZ Nazwa, Dubai 2.58, HATD Hatta, Dubai 2.68, HATD Hatta, Dubai 2.68, ASHO Ashiyah 2.83, ASHO Ashiyah 2.83, FAQ Al Faqa, Dubai 2.83, FAQ Al Faqa, Dubai 2.83, KHGB Koh Gabri 2.85, KHGB Koh Gabri 2.85, ASUD AI Ashush, Dub 3.01, ASUD AI Ashush, Dub 3.01, ASUD AI Ashush, Dub 3.01, GHIR Ghir-Karzin 3.05, GHIR Ghir-Karzin 3.05, AJN Ajan 3.17, SOHO SOHO 3.37, ALNE AI Ain 3.48, ALNE AI Ain 3.48, HOQ Hoqain 4.02, IMEH Mehruz 4.14, CHBR Chabahar 4.19, CHBR Chabahar 4.19, ZHFS Zahedan 4.44, ZHFS Zahedan 4.44, WSAR Wadi Sarin 4.74

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC, H, M, S, ISC. Rows include MOA Molln 38.38, KBA Koelnbreinsper 38.73, GERES GERSSE Array B 39.03, FINES FINES Array B 39.49, WATA Walderalm 40.31, SOTA Sankt Quirin 40.23, MOTA Moosalm 40.32, FETA Feichten 40.31, DAVOX Davos/Dischmat 41.02, DAVA Darnum 41.12, HFS Hagfros 43.54, SONM Songoing Array 43.65, NB2 NORSTAR 45.05, NOA NORSTAR Arr 45.05, NRK1 Noril'sk 45.64, ARCES ARCES Array B 45.70, ESCH Sonseca Array 50.80, TORO Torodi Arr. Bea 52.79, SPITS Spitsbergen Arr 53.84, KSAR Wonju Array Be 59.89, KRSR Koryu Array Be 59.61, BOSB Boshof 63.26, ILAR Eielson Array 86.25, WRA Warramunga Arr 88.99, YKA Yellowknife Arr 90.11, ASAR Alice Springs 90.48, MEX 07 13:43:34.9, 0.5, 28.07N:112.30W, h4km, 11km, MD3.5, Gulf of California, SRIG Santa Rosalia 0.75, GUYB Guaymas 1.27, HSG HSIG 1.51, IDC 07 13:45:35.3, 0.8, 11.66S:165.12E, h0km, mb4, 3/18, mb1 4.4/20, mb1mx4.3/38, mbmp4.2/20, ML4.3/2, Error ellipse: s-maj=24.8km s-min=16.4km az=134.0, NEIC 07 13:45:37.1, 0.3, 11.57S:165.06E, h10km, mb4, 8/2, Error ellipse: s-maj=8.9km s-min=6.6km az=93.0, ISCJB 07 13:45:38.9, 0.4, 11.69S:165.01E:0.08, h34km, mb4, 2/20, Error ellipse: s-maj=11.0km s-min=8.2km az=0.7, ISC 07 13:45:40.6, 0.6, 11.62S:165.1E:0.1, h34km, n49, r086/45, mb4.3/20, Santa Cruz Islands

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, ISC, H, M, S, ISC. Rows include HNR Honiara 5.93, HNR Honiara 5.93, HNR Honiara 5.93, HNR Honiara 5.93, DZM Mont Dzumac 11.26, DZM Mont Dzumac 11.26, DZM Mont Dzumac 11.26, DZM Mont Dzumac 11.26, ONTNC Ouen Toro 11.49, PINNC Pines Island, 11.88, MSVF Nonavsu 11.73, TARA Tarawa 13.97, EIDS Eidsvold 20.14, MANU Manus Island 20.26, CTA Charters Tower 20.99, CTA Charters Tower 20.99, COEN Coen 22.34, ARMA Armatia 23.59, RAO Raoul Island 23.86, OUZ Omahuta 25.75, HIZ Hauri 25.85, OMRZ Omnia 28.82, HAZ Hata 28.94, MXZ Matakaua Point 28.95, RUGZ Rautakura Rang 29.16, URZ Urewera 29.19, URZ Urewera 29.19, URZ Urewera 29.19, URZ Urewera 29.19, PRW Plateau Road 29.19, PRZ Matawai 29.19, TWGZ Tauwhareparae 29.39, RTZ Rautakura 29.50, RAGZ Rawiri 29.51, MRHZ Matea Rd 29.51, TRKZ Te Karaka 29.51, BKZ Black Stump Fm 29.63, STKA Stephens Creek 30.69, STKA Stephens Creek 30.69, BFZ Birch Farm 31.19, SNZO South Karori 31.41, THZ Topouse 31.50, WRB Warramunga Arr 31.63, WRA Warramunga Arr 31.24, KHZ Kahutara 32.24, TOZ Tooolangi 32.34, LTZ Lake Taylor 32.39, FOZ Fox Glacier 32.83, OXZ Oxford 32.88, ASO1 Alice Springs 32.93, ASO1 Alice Springs 32.93, ASAR Alice Springs 32.98, ASAR Alice Springs 32.98











7d 15h

Table with columns: WMO, Name, Comp, Az, El, P, Res, Time, Res, ISC, H, m, s, ISC. Includes stations like PKDT, TGJ, JOW, KS15, etc.

2013 FEB

Table with columns: PLOR, Name, Comp, Az, El, P, Res, Time, Res, ISC, H, m, s, ISC. Includes stations like Spitsbergen Arr, Muntele Rosu, etc.

IDC 07 14:58:00.3 1.6, 11:09:56.165, 14E, h0km, mb3.6/4, mb1 3.9/5, mb1mx3.6/40, mbmp3.7/5, ML3.2/1, Error ellipse: s-maj=48.9km s-min=29.7km az=124.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC, H, m, s, ISC. Includes stations like DZM, WRA, ASAR, etc.

IDC 07 15:04:01.5 1.1, 11:08:56.164, 96E, h0km, mb4.2/13, mb1 4.4/15, mb1mx4.2/42, mbmp4.2/15, ML4.3/2, MS3.5/2, Ms1 3.5/2, ms1mx3.1/22, Error ellipse: s-maj=30.2km s-min=18.7km az=125.0

NEIC 07 15:04:04.3 0.3, 11:09:56.164, 75E, h10km, mb4.9/29, Error ellipse: s-maj=6.1km s-min=5.8km az=131.0

ISCJBJ 07 15:04:05.0 0.3, 11:07:50.04, 164.75E, h29km, mb4.9/4, MS3.8/1, Error ellipse: s-maj=6.1km s-min=5.5km az=124.4

ISC 07 15:04:06.9 0.5, 11:04:05.007, 164.74E, h0.06, h28km, n69, s121/67, mb4.8/41, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC, H, m, s, ISC. Includes stations like HNR, MARC, DZM, etc.

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Table with columns: Name, Comp, Az, El, P, Res, Time, Res, ISC, H, m, s, ISC. Includes stations like KHZ, LTZ, OXZ, etc.

Table with columns: Call Sign, Name, Frequency, Power, and other parameters. Includes stations like KHZ Kahutara, TOO Toolangi, LTZ Lake Taylor, etc.

Table with columns: Call Sign, Name, Frequency, Power, and other parameters. Includes stations like ILAR Eielson Array, ILB Eielson Array, POKR Poker Plat Res, etc.

Table with columns: Call Sign, Name, Frequency, Power, and other parameters. Includes stations like KK31 Karatay Array, TKM2 Tokmak 2, TKM2 Tokmak 2, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ORDY Ordu-Boztepe, RSDY Resadiye-TOKAT, ERBA Erbaa, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like HNR Honiara, DZM Mont Dzumac, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like HNR Honiara, DZM Mont Dzumac, WRA Warrungarra Arr, etc.

7d 15h

Table with columns: Code, Station Name, Az, El, Res, Time, Res, ISC. Includes stations like WRA Warrumunga Arr, CM01 Chiang Mai Arr, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

ISC 07 15:22:31.6, 0.8, 5.4SR: 103.18E, h0km, mb4.3/18, mb1.4/4/18, mb1mx2.5/0, mbtmp4.3/18, MS3.1/1, Ms1.3.1/1, ms1mx2.5/45, Error ellipse: s-maj=28.6km s-min=12.9km az=48.0

ISC/JB 07 15:22:38.0, 0.5, 5.64SR: 0.03x103.36E, 0.03, h70km, 4km, mb4.5/6, Error ellipse: s-maj=7.2km s-min=3.3km az=42.9

NEIC 07 15:22:39.7, 0.6, 5.58SR: 103.32E, h62km, 5km, mb4.7/36, Error ellipse: s-maj=8.0km s-min=4.3km az=49.0

NEIC Felt [W] at Liwa  
DJA 07 15:22:40.0, 0.7, 6.7, S: 2.10'9E, h29km, 8km, M4.7/23, mB5.3/7, mb4.8/16, ML4.8/23, Mw(mB)4.7/7

ISC 07 15:22:2.0, 0.8, 5.71SR: 0.05x103.32E, 0.04, h60km, 7km, m169, s169/175, mb4.6/11, C, Southern Sumatera

Main station list table with columns: Code, Station Name, Az, El, Res, Time, Res, ISC. Lists numerous stations across various regions like Liwa, Kota Agung, Manna, etc.

2013 FEB

Main earthquake event list table with columns: KMI, Kunming, Magnitude, P, S, P, Res, Time, Res, ISC. Lists events like H0S22 Diego Garcia H, H0S23 Diego Garcia H, etc.

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Main earthquake event list table with columns: Code, Station Name, Az, El, Res, Time, Res, ISC. Lists events like PEA1 Petropavlovsk, NRIK Noril'sk, BR101 Keskina Array S, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like CHKK, ZSN, KOTS, MDOK, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like MNAS, SFK, OTUK, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like PEA1, ENH, XAN, etc.

IDC 07 15:34:47.9; 1.8, 11.945S; 165.67E, h0km, mb3.6/3, mb1 4.0/4, mb1mx3.6/5.4, mbmtmp3.7/4, ML3.4/1, Error ellipse: s-maj=52.1km s-min=32.2km az=127.0, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like DZM, WRA, ASAR, etc.

IDC 07 15:37:26.4; 0.3, 21.12S; 0.0; 67.40W; 0.0/4, h187km, 4km, mb3.8/7, Error ellipse: s-maj=6.0km s-min=4.0km az=14.2, NEIC 07 15:37:27.4; 0.8, 21.13S; 67.36W, h178km, 13km, mb4.3/5, Error ellipse: s-maj=18.1km s-min=8.2km az=87.0

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like IROC, LVC, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILB Eielson Array, PEAOB Petropavlovsk, PETK Petropavlovsk, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ARCO Combarbala, CMCH Combarbala, AAGR Agrelo, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, FITZ Fitzroy Crossi, ASAJ Ashahi, etc.

ISCJB 07 15:50:14.7,0.7, 21.2S:0.1x178.7W:0.2, h550km, mb3.5/10, Error ellipse: s-maj=24.5km s-min=14.4km az=28.5

IDC 07 15:50:16.9,6.3, 21.21S:178.61W, h568km, 80km, mb3.0/10, mb1.3, 2/11, mb1mx3.1/23, mbtmp3.9/11, Error ellipse: s-maj=36.6km s-min=22.1km az=5.0

ISC 07 15:50:15.6,1.0, 21.2S:0.2x178.6W:0.2, h550km, n14, #0911/13, mb3.5/10, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like URZ Urewera, RPZ Rata Peaks, STKA Stephens Creek, etc.

AVIZ Vidzuchera 2.19 165 eP Pn 15 58 32.4 +0.8

ROCH El Roble 2.24 223f eS Sn 15 58 32.4 -0.1

ROCI EUI Roble 2.25 223 eP Pn 15 58 32.6 0.0

APLL PUNTA DE LOS L 2.47 68 eP Sn 15 59 05.8 +0.5

APLL PUNTA DE LOS L 2.47 68 eP Sn 15 59 06.6

LCO Las Campanas 2.68 330f eP Pn 15 58 38.4 +0.1

MRA San Martin 3.13 111 eP Pn 15 58 44.5 +0.5

CYA Choya 4.12 46 eP Pn 15 58 57.7 +0.5

CPUP Villa Florida 11.53 67 eP Sn 16 00 34.0 -3.3

TXAR Lajitas Array 66.89 328 P Pn 16 08 48.5 +0.8

TORD Torodi Ar. Bea 81.02 69 P Pn 16 09 57.9 -1.1

PDAR Pinedale Array 82.75 331 P Pn 16 10 28.2 +1.6

ASAR Alice Springs 121.00 205 PKP PKPdf 16 16 34.9 -1.2

WRA Warramunga Arr 124.23 207 PKP PKPdf 16 16 41.6 -0.7

ZALV Zalesovo Beam 150.71 32 PKPb PKPKP 16 17 35.1 -0.2

MKAR Makanchi Array 153.20 47 PKPb PKPKP 16 17 40.8 +0.1

SOMN Songoing Array 163.19 10 PKPb PKPab 16 18 37.0 +1.0

IDC 07 16:21:16.2,1.6, 11.76S:165.17E, h0km, mb3.5/4, mb1.3, 8/5, mb1mx3.6/29, mbtmp3.5/5, ML3.4/1, MS3.9/1, Ms1.3.9/1, ms1mx2.7/20, Error ellipse: s-maj=47.8km s-min=28.7km az=120.0, Santa Cruz Islands

IDC 07 16:22:03.5,1.7, 11.55S:165.02E, h0km, mb3.6/5, mb1.3, 8/6, mb1mx3.6/29, mbtmp3.6/6, ML3.3/1, Error ellipse: s-maj=50.4km s-min=31.9km az=112.0

ISC 07 16:22:06.8,1.1, 11.7S:0.1x165.1E:0.2, h34km, mb3.5/5, Error ellipse: s-maj=27.2km s-min=18.8km az=2.7

ISC 07 16:22:08.6,1.2, 11.6S:0.1x165.1E:0.2, h34km, n7, #1910/7, mb3.6/5, Santa Cruz Islands

IDC 07 16:22:03.5,1.7, 11.55S:165.02E, h0km, mb3.6/5, mb1.3, 8/6, mb1mx3.6/29, mbtmp3.6/6, ML3.3/1, Error ellipse: s-maj=50.4km s-min=31.9km az=112.0

ISC 07 16:22:06.8,1.1, 11.7S:0.1x165.1E:0.2, h34km, mb3.5/5, Error ellipse: s-maj=27.2km s-min=18.8km az=2.7

ISC 07 16:22:08.6,1.2, 11.6S:0.1x165.1E:0.2, h34km, n7, #1910/7, mb3.6/5, Santa Cruz Islands

NEIC 07 16:24:52.0,0.7, 10.94S:164.45E, h10km, mb4.5/6, Error ellipse: s-maj=16.1km s-min=8.8km az=56.0

IDC 07 16:24:57.3,3.8, 10.94S:164.36E, h51km, 33km, mb3.4/7, mb1.3, 6/9, mb1mx3.5/31, mbtmp3.8/9, ML4.1/2, MS2.7/2, Ms1.2/7, ms1mx2.5/15, Error ellipse: s-maj=29.7km s-min=25.9km az=82.0

ISC 07 16:24:54.3,0.9, 10.9S:0.1x164.3E:0.1, h29km, n30, #1911/25, mb4.0/12, Santa Cruz Islands region

IDC 07 15:51:43.6,1.8, 11.32S:165.17E, h0km, mb3.5/3, mb1.3, 8/4, mb1mx3.6/27, mbtmp3.6/6, ML3.3/1, MS4.3/1, Ms1.4/3, ms1mx2.8/18, Error ellipse: s-maj=52.1km s-min=31.8km az=129.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, RAO Raoul Island, WRA Warramunga Arr, etc.

IDC 07 15:59:54.9,1.5, 10.91S:165.23E, h0km, mb3.8/5, mb1.4/7, mb1mx3.8/27, mbtmp4.0/7, ML4.1/2, MS3.2/4, Ms1.3.1/4, ms1mx2.9/33, Error ellipse: s-maj=34.3km s-min=25.8km az=138.0

NEIC 07 15:59:56.3,0.8, 10.86S:165.16E, h10km, mb4.9/3, Error ellipse: s-maj=16.4km s-min=10.3km az=52.0

ISCJB 07 15:59:58.0,0.8, 11.07S:0.09:165.16E:0.09, h31km, mb3.8/1, Error ellipse: s-maj=16.2km s-min=8.3km az=43.2

ISC 07 15:59:59.6,1.1, 11.10S:0.1x165.2E:0.1, h31km, n23, #1931/16, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, ZALV Zalesovo Beam, MKAR Makanchi Array, etc.

NEIC 07 16:24:52.0,0.7, 10.94S:164.45E, h10km, mb4.5/6, Error ellipse: s-maj=16.1km s-min=8.8km az=56.0

IDC 07 16:24:57.3,3.8, 10.94S:164.36E, h51km, 33km, mb3.4/7, mb1.3, 6/9, mb1mx3.5/31, mbtmp3.8/9, ML4.1/2, MS2.7/2, Ms1.2/7, ms1mx2.5/15, Error ellipse: s-maj=29.7km s-min=25.9km az=82.0

ISC 07 16:24:54.3,0.9, 10.9S:0.1x164.3E:0.1, h29km, n30, #1911/25, mb4.0/12, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, MARCN Mare, Loyalty, DZM Mont Dzumac, etc.

MEX 07 15:54:34.9,0.5, 15.74N:94.96W, h20km, 19km, MD3.8, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HUIG Huatulco, CMIG Matias Romero, PCIG Comitan, etc.

ISCJB 07 15:57:55.9,0.4, 31.35S:0.03:69.16W:0.03, h118km, 4km, mb3.4/3, Error ellipse: s-maj=4.5km s-min=4.2km az=7.3

IDC 07 15:57:55.7,1.2, 31.62S:68.92W, h108km, 7km, mb3.3/3, mb1.3, 7/4, mb1mx3.5/19, mbtmp3.8/4, Error ellipse: s-maj=41.4km s-min=28.9km az=4.0

SJA 07 15:57:55.8,1.2, 31.36S:69.21W, h111km, 4km, ML3.9, MW4.2

GUC 07 15:57:56.3,0.7, 31.34S:69.35W, h135km, 4km, ML3.9

ISC 07 15:57:56.1,0.7, 31.35S:0.03:69.18W:0.03, h112km, 4km, n52, #1810/83, mb3.4/3, GC-6D, San Juan Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like RTLS Leoncito, RTLS Leoncito, ZON Zonda, etc.

IDC 07 15:59:54.9,1.5, 10.91S:165.23E, h0km, mb3.8/5, mb1.4/7, mb1mx3.8/27, mbtmp4.0/7, ML4.1/2, MS3.2/4, Ms1.3.1/4, ms1mx2.9/33, Error ellipse: s-maj=34.3km s-min=25.8km az=138.0

NEIC 07 15:59:56.3,0.8, 10.86S:165.16E, h10km, mb4.9/3, Error ellipse: s-maj=16.4km s-min=10.3km az=52.0

ISCJB 07 15:59:58.0,0.8, 11.07S:0.09:165.16E:0.09, h31km, mb3.8/1, Error ellipse: s-maj=16.2km s-min=8.3km az=43.2

ISC 07 15:59:59.6,1.1, 11.10S:0.1x165.2E:0.1, h31km, n23, #1931/16, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, ZALV Zalesovo Beam, MKAR Makanchi Array, etc.

H112 WAKE ISLAND Hy 29.32 4 T T 16 36 35.3

H113 WAKE ISLAND Hy 29.32 4 T T 16 36 34.3

H114 WAKE ISLAND Hy 29.32 4 T T 16 36 35.0

BKZ Black Stump Fm 29.80 162 eP P 16 06 05.0 +1.2

STKA Stephens Creek 30.06 223 LR 16 16 40.1

H111 WAKE ISLAND Hy 30.59 3 T T 16 36 04.5

H113 WAKE ISLAND Hy 30.60 3 T T 16 36 07.3

H112 WAKE ISLAND Hy 30.61 3 T T 16 36 05.7

WB2 Warramunga Arr 30.94 250 eP P 16 06 13.7 -0.3

WRA Warramunga Arr 30.94 250 P P 16 06 14.4 +0.3

ASO1 Alice Springs 32.24 243 eP P 16 06 25.9 +0.4

ASAJ Alice Springs 32.24 243 P P 16 06 26.0 +0.1

FITZ Fitzroy Crossi 38.82 255 LR 16 24 12.0

ILAR Eielson Array 83.78 19 P P 16 12 24.6 -0.3

MK32 Makanchi Array 93.10 317 eP P 16 13 10.4 -0.2

MKAR Makanchi Array 93.10 317 P P 16 13 10.4 -0.2

ISCJB 07 16:12:40.7,1.3, 10.4S:0.1x161.3E:0.1, h67km, mb3.4/5, Error ellipse: s-maj=23.7km s-min=15.3km az=137.8

IDC 07 16:27:54.3,1.5, 11.70S:165.07E, h0km, mb3.6/5, mb1.3, 8/7, mb1mx3.6/36, mbtmp3.7/7, ML3.8/2, Error ellipse: s-maj=32.6km s-min=28.2km az=139.0

NEIC 07 16:27:56.0,0.4, 11.80S:165.08E, h10km, mb4.8/5, Error ellipse: s-maj=8.8km s-min=7.4km az=53.0

ISCJB 07 16:27:57.6,0.7, 11.84S:0.08:165.00E:0.08, h33km, mb3.4/1, Error ellipse: s-maj=13.8km s-min=8.7km az=39.2

ISC 07 16:27:59.0,0.8, 11.8S:0.1x165.03E:0.1, h35km, n20, #056/22, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.

ASAR Alice Springs 31.84 243 eP P 16 31 14.9 -2.0

TAU Tasmania Univ 35.22 202 eP P 16 31 43.8 -2.3

FITZ Fitzroy Crossi 38.32 255 eP P 16 32 10.5 -2.3

FITZ Fitzroy Crossi 38.32 255 P P 16 32 10.5 -2.3

SONAD Songoing Array 77.92 324 eP P 16 36 49.8 +0.1

SOMN Songoing Array 77.92 324 P P 16 36 49.8 +0.1

GSPA South Pole Qui 79.06 180 P P 16 36 57.4 +1.7

ILAR Eielson Array 83.78 19 P P 16 37 19.9 -0.6

MK32 Makanchi Array 92.68 317 eP P 16 38 04.0 +0.4

MKAR Makanchi Array 92.68 317 P P 16 38 04.0 +0.4

IDC 07 16:27:54.3,1.5, 11.70S:165.07E, h0km, mb3.6/5, mb1.3, 8/7, mb1mx3.6/36, mbtmp3.7/7, ML3.8/2, Error ellipse: s-maj=32.6km s-min=28.2km az=139.0

NEIC 07 16:27:56.0,0.4, 11.80S:165.08E, h10km, mb4.8/5, Error ellipse: s-maj=8.8km s-min=7.4km az=53.0

ISCJB 07 16:27:57.6,0.7, 11.84S:0.08:165.00E:0.08, h33km, mb3.4/1, Error ellipse: s-maj=13.8km s-min=8.7km az=39.2

ISC 07 16:27:59.0,0.8, 11.8S:0.1x165.03E:0.1, h35km, n20, #056/22, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.









Table with columns: Station Name, Time, Res, Phase ID, ISC, h m s, ISC. Includes stations like NREA0, NREA1, HFS, HFS, HFS.

IDC 07 18:14:38.4:1.7, 10.845x165.47E, h0km, mb3.5/3, mb1 3.9/4, mb1mx3.5/4, mbtmp3.6/4, ML3.6/1, Error ellipse: s-maj=53.8km s-min=30.7km az=128.0, Santa Cruz Islands

Table with columns: Code, Station Name, Time, Res, Phase ID, ISC, h m s, ISC. Includes stations like DZM, H1S2, H1S3, H1S1, H1N1, H1N3, H1N2, WRA, ASAR, ILAR.

PGC 07 18:15:35.6:0.6, 50.53N:130.35W, h10km, MLSn3.4/27, MW4.0/27, 208km west of P. Hardy, Bc Vancouver Island, Canada Region

ISCJB 07 18:15:39.3:0.6, 50.63N:104.130:24W:0.07, h33km, 16km, mb3.3/2, Error ellipse: s-maj=9.4km s-min=3.8km az=138.5

IDC 07 18:15:40.3:2.2, 50.60N:129.32W, h0km, mb3.6/2, mb1 3.8/6, mb1mx3.5/4, mbtmp3.5/6, ML3.2/4, Error ellipse: s-maj=31.9km s-min=13.6km az=76.0

NEIC 07 18:15:42.7:1.6, 50.86N:129.28W, h10km, MW4.0(OTT), Error ellipse: s-maj=27.2km s-min=11.9km az=58.0

ISC 07 18:15:39.3:2.5, 50.69N:130.03W:0.06, h23km, 22km, n60, 151:51, Vancouver Island region

Large table with columns: Code, Station Name, Time, Res, Phase ID, ISC, h m s, ISC. Lists numerous stations including PACB, PHC, PHC, HG4B, HG4B, BBB, BBB, BBB, EDB, EDB, TLCB, BNB, WOSB, NCRB, BCBC, GDR, MOCB, BNB, DIB, DIB, CBB, TOFB, BTB, TXB, MGB, CHNB, SHB, NLLB, PFB, R926, BIB, LZB, WSLR, B010, PGC, B009, E011, SNB, VGZ, MCW, FSB, LLLB, VDB, HDW, MBW, JCW, B06A, GPW, FMW, LON, LTY, B08A, DLBC, NEW, YKA, PDAR, ILAR, ULM, TXAR, H1N2, H1N3, H1N1, H1S1, H1S2, H1S3, IDC 07 18:16:36.5:1.4, 10.835x164.80E, h0km, mb3.8/8, mb1 4.0/10, mb1mx3.9/39, mbtmp3.9/10, ML4.4/2, MS3.5/3, Ms1 3.5/3, ms1mx3.1/35, Error ellipse: s-maj=32.2km s-min=23.7km az=118.0, ISCJB 07 18:16:39.3:0.9, 10.83E:0.10, h31km, mb3.7/7, MS3.4/2, Error ellipse: s-maj=17.1km s-min=10.9km az=36.6, ISC 07 18:16:41.1:1.1, 10.93S:0.1x164.9E:0.1, h31km, n17, 0599/11, mb3.7/7, Santa Cruz Islands region

Table with columns: Code, Station Name, Time, Res, Phase ID, ISC, h m s, ISC. Includes stations like H1S3, H1S1, STKA, STKA, H1N1, H1N3, H1N2, WRA, GUMO, ASAR, CMAR, SONM, ILAR, MKAR.

ISCJB 07 18:24:46.7:0.6, 12.53N:142.74E:0.07, h100km, mb3.9/17, Error ellipse: s-maj=12.5km s-min=9.1km az=153.1

IDC 07 18:24:49.4:1.9, 12.59N:142.91E, h13km, 20km, mb3.6/7, mb1 3.8/18, mb1mx3.6/54, mbtmp4.0/18, Error ellipse: s-maj=21.2km s-min=12.4km az=87.0

ISC 07 18:24:48.2:0.7, 12.6N:0.1x142.79E:0.10, h100km, n18, 0576/20, mb4.0/17, South of Mariana Islands

Table with columns: Code, Station Name, Time, Res, Phase ID, ISC, h m s, ISC. Includes stations like GUMO, GUMO, JNU, MJAR, USRK, WRA, WRA, ASAR, CMAR, STKA, SONM, MKAR, ZALV, KURB, AAK, BVAR, YKA, NVAR, FINES.

IDC 07 18:29:40.8:1.7, 13.92N:93.10E, h0km, mb3.5/3, mb1 3.6/4, mb1mx3.2/50, mbtmp3.3/4, ML3.2/1, Error ellipse: s-maj=60.3km s-min=28.6km az=68.0, Andaman Islands region

Table with columns: Code, Station Name, Time, Res, Phase ID, ISC, h m s, ISC. Includes stations like CMAR, CMAR, MKAR, WRA, ASAR, ASAR.

IDC 07 18:29:36.2:1.4, 10.59S:165.46E, h0km, mb3.5/7, mb1 3.8/9, mb1mx3.7/40, mbtmp3.7/9, ML3.7/2, MS3.8/2, Ms1 3.8/2, ms1mx3.3/29, Error ellipse: s-maj=33.5km s-min=24.7km az=116.0

ISCJB 07 18:29:39.1:0.9, 10.75S:0.1x165.36E:0.09, h31km, s-min=11.5km az=29.9

ISC 07 18:29:40.8:1.1, 10.75S:0.1x165.4E:0.1, h31km, n16, 05105/10, mb3.5/7, Santa Cruz Islands

Table with columns: Code, Station Name, Time, Res, Phase ID, ISC, h m s, ISC. Includes stations like HNR, HNR, HNR, DZM, HAO, H1S3, H1S1, H1N1, H1N3, STKA, WRA, ASAR, SONM, ILAR, MKAR.

IDC 07 18:29:44.5:1.8, 14.13N:55.24E, h0km, mb3.6/9, mb1 3.7/9, mb1mx3.4/46, mbtmp3.6/9, MS2.9/1, Ms1 2.9/1, ms1mx3.6/39, Error ellipse: s-maj=48.2km s-min=30.2km az=53.0, Owen Fracture Zone region

Table with columns: Code, Station Name, Time, Res, Phase ID, ISC, h m s, ISC. Includes station WSAR.

Table with columns: Code, Station Name, Time, Res, Phase ID, ISC, h m s, ISC. Includes stations like H08N2, H08N3, H08N1, MKAR, KURB, ZALV, GERES, FINES, SONM, ARCES, H01W3, H01W2, H01W1, WRA, ASAR.

ISCJB 07 18:46:51.6:0.6, 25.33N:0.05:96.38E:0.06, h25km, mb3.1/0, Error ellipse: s-maj=8.6km s-min=6.4km az=36.3

NDI 07 18:46:53.2:2.4, 25.54N:96.45E, h10km, ML3.0, IDC 07 18:45:34.5:5.8, 25.38N:96.12E, h34km, 49km, mb3.9/9, mb1 3.5/10, mb1mx3.3/46, mbtmp3.5/10, ML3.0/1, Error ellipse: s-maj=46.9km s-min=17.9km az=61.0

ISC 07 18:46:53.1:0.8, 25.39N:0.05:96.35E:0.06, h25km, n27, 02509/33, mb3.6/10, Myanmar

Table with columns: Code, Station Name, Time, Res, Phase ID, ISC, h m s, ISC. Includes stations like MOKO, MOKO, MOKO, LKP, LKP, LKP, KOHI, KOHI, KOHI, JORH, ZIRO, ZIRO, SHL, SHL, SHL, SAIH, SAIH, SAIH, CMAR, CMAR, RAMN, JIRN, GUN, PKI, PKIN, DAMN, DANN, KOLN, PYUN, SONM, MKAR, AAK, ZALV, WRA, FINES, ASAR, NOA, GERES, IDC 07 18:48:45.8:0.8, 10.94S:165.73E, h0km, mb4.0/12, mb1 4.2/14, mb1mx4.0/36, mbtmp4.0/14, ML4.7/2, MS3.8/1, Ms1 3.8/1, ms1mx3.6/50, Error ellipse: s-maj=22.1km s-min=17.3km az=122.0, ISCJB 07 18:48:48.4:0.4, 11.09S:0.05:165.68E:0.05, h30km, mb4.3/19, Error ellipse: s-maj=8.4km s-min=6.5km az=142.0, NEIC 07 18:48:48.8:2.5, 11.01S:0.1x165.72E, h20km, 17km, mb4.8/9, Error ellipse: s-maj=8.6km s-min=6.8km az=221.0, ISC 07 18:48:50.2:0.6, 11.04S:0.07:165.71E:0.08, h30km, n39, 0585/39, mb4.4/19, Santa Cruz Islands





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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like KHZ Kahutara, GUMO Guam, TOO Toolangi, etc.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like KHU Kahuku, KHU Kahuku, KLBRR Kellerberrin, etc.

7d 18h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like KS15 Wonju Array Si, KSAR Wonju Array Be, etc.





K02D	Willamette Mer baz=249,SNR=9.4	83.58	44	P	P	19 11 44.1	-0.6
WDC	Whiskeytown Da Whiskeytown Da	83.62	47	eP	P	19 11 45.1	+0.2
N02D	Trinity Center baz=250,SNR=32	83.64	46	eP	P	19 11 44.8	-0.3
SC2Z	Santa Cruz Isl baz=252	83.68	54	P	P	19 11 44.6	-0.8
M02C	Callahan baz=249,SNR=28	83.68	46	P	P	19 11 45.9	+0.6
PAGB	Antelope Grade Santa Barbara	83.73	52	eP	P	19 11 46.3	+0.7
SBC	Santa Barbara baz=252	83.75	53	P	P	19 11 44.4	-1.3
PKM	Mcherson Peak baz=252	83.81	53	P	P	19 11 45.7	-0.5
YBH	Yreka Blue Hor Yreka Blue Hor	83.90	46	eP	P	19 11 47.1	+0.7
YBH	Yreka Blue Hor comp=Z,69nm,0.9s,baz=77,slo=1.3,SNR=34	83.90	46	eP	P	19 11 46.5	+0.1
YBH	comp=Z,33um,19.8s,baz=278,slo=32					19 43 08.4	
ORVK	Sand Creek Oroville	83.91	20	eP	P	19 11 44.9	-1.0
ORV	Oroville Crovline Dome	84.03	48	eP	P	19 11 46.3	-0.6
HUMO	Hull Mountain comp=Z,892nm,1.1s	84.04	45	eP	P	19 11 47.7	+0.8
I03D	Drain, OR baz=249	84.16	44	P	P	19 11 46.6	-0.9
BLG	Laguna Peak, P baz=253	84.21	54	P	P	19 11 46.1	-1.7
AFDM	Forest Hills D San Clemente I	84.21	49	eP	P	19 11 47.6	-0.4
SC12	San Clemente I baz=253	84.25	55	P	P	19 11 47.5	-0.7
BESE	Bessie Mountai Coldfoot	84.28	27	eP	P	19 11 48.6	+0.8
COLD	Coldfoot JIS	84.29	16	eP	P	19 11 48.5	+0.9
JIS	Juneau Island WRAK	84.33	27	eP	P	19 11 48.6	+0.7
WRAK	Wrangell Islan comp=Z,178nm,1.1s	84.34	30	eP	P	19 11 48.6	+0.6
WRAK	comp=Z,178nm,1.1s					LR	LR
CMB	Columbia Colle Columbia Colle	84.35	50	eP	P	19 11 48.3	-0.4
CMB	Columbia Colle comp=Z,777nm,1.2s	84.35	50	eP	P	19 11 48.3	-0.4
L04D	Klamath Falls baz=250,SNR=18	84.36	45	P	P	19 11 48.4	-0.4
PRP	Porcupine Dome CIS	84.43	18	eP	P	19 11 47.1	-1.6
CIS	Catalina Islan baz=253	84.47	55	P	P	19 11 47.8	-1.6
COR	Corvallis comp=Z,15nm,1.4s	84.51	43	eP	P	19 11 48.9	-0.3
COR	Corvallis comp=Z,15nm,1.4s	84.51	43	eP	P	19 11 48.9	-0.3
M04C	Macdoel baz=250,SNR=29	84.53	46	P	P	19 11 48.1	-1.5
SKAG	Skagway BBB	84.54	26	eP	P	19 11 49.4	+0.4
BBB	Bella Bella comp=Z,85um,20.1s,baz=269,slo=31	84.58	52	P	P	19 11 48.3	-1.5
VOG	Valley Oaks Go baz=252	84.58	52	P	P	19 11 48.3	-1.5
OSI	Osito Audit: C baz=253	84.58	53	P	P	19 11 49.4	-0.6
ARVC	Arvin baz=253	84.65	53	P	P	19 11 49.7	-0.5
FMF	Fort Macarthur baz=253	84.66	54	P	P	19 11 49.3	-0.9
YES	Vestal, Richgr baz=252,SNR=17	84.67	52	P	P	19 11 48.8	-1.5
MAW	Mawson baz=85,SNR=5.7	84.73	202	P	P	19 11 52.1	+2.1
MAW	Mawson baz=84.73 202	84.73	202	eP	P	19 11 52.5	+2.5
MAW	Mawson comp=Z,256nm,1.2s,baz=96,slo=1.7,SNR=7.5	84.73	202	eP	P	19 11 51.5	+1.6
MAW	comp=Z,23um,21.6s,baz=104,slo=32					19 44 58.1	
G03D	McMinnville, O baz=249	84.76	42	P	P	19 11 49.8	-0.7
DECC	Green Verdugo baz=253	84.78	54	P	P	19 11 50.2	-0.8
I04A	Tendick Farm, baz=250,SNR=12	84.83	44	P	P	19 11 49.6	-1.4
J04D	Umpqua Nationa baz=250,SNR=31	84.84	44	P	P	19 11 50.5	-0.8
H04D	Lebanon baz=249	84.87	43	P	P	19 11 50.8	-0.3
K04C	Chiloquin, OR baz=253	84.88	45	P	P	19 11 50.5	-0.9
PASD	Pasadena Art C BEKR	84.88	54	eP	P	19 11 51.4	0.0
BEKR	Beckworth MWC	84.96	48	eP	P	19 11 51.5	-0.4
MWC	Mount Wilson ISA	85.00	54	eP	P	19 11 52.3	+0.1
ISA	Isabella, Lake Isabella, Lake	85.09	52	eP	P	19 11 52.1	-0.4
ISA	Isabella, Lake Isabella, Lake	85.09	52	eP	P	19 11 52.1	-0.4
ISA	Isabella, Lake baz=253,SNR=50	85.09	52	eP	P	19 11 51.5	-1.0
NLWA	Neilton Lookou comp=Z,278nm,1.5s	85.17	40	eP	P	19 11 54.5	+1.9
NLWA	comp=Z,69um,20.0s					LR	LR
WAKR	Walker MDPB	85.21	49	eP	P	19 11 53.9	+0.6
MDPB	Devils Postpil FYU	85.21	51	eP	P	19 11 53.7	+0.4
FYU	Fort Yukon EDWZ	85.23	53	P	P	19 11 52.3	0.0
EDWZ	Edwards Air Fo baz=253,SNR=80	85.23	53	P	P	19 11 52.6	-0.6
F04D	Rainier, OR baz=249	85.24	41	P	P	19 11 52.5	-0.4
BOK	Bokaro comp=Z,431nm,5.7s	85.25	295	eP	IAMB	19 11 54.9	+1.4
BOK	Bokaro comp=Z,431nm,5.7s	85.25	295	eP	IAMB	19 12 28.0	
OMMB	Old Mammoth Mi Pine Nut	85.27	50	eP	P	19 11 54.1	+0.4
PNTR	Pine Nut H04A	85.27	49	eP	P	19 11 54.6	+1.0
H04A	Detroit Lake V0NR	85.29	43	eP	P	19 11 53.5	+0.2
V0NR	Virginia City BFSC	85.30	49	eP	P	19 11 55.4	+1.9
BFSC	Mount Baldy Ra baz=253,SNR=38	85.32	54	P	P	19 11 52.2	-1.5
EGAK	Eagle comp=Z,52um,22.0s	85.32	20	PFAKE	LR	19 12 00.0	+6.9
EGAK	comp=Z,52um,22.0s					LR	LR
WHY	Whitehorse 109C	85.37	25	eP	P	19 11 52.5	-0.9
109C	Camp Elliot, M baz=254	85.38	55	P	P	19 11 53.1	-0.8
CPE	Camp Elliot MLAC	85.38	55	P	P	19 11 54.2	+0.3
MLAC	Mammoth, Mamm baz=252,SNR=7.6	85.40	50	P	P	19 11 53.2	-1.0
RAMN	Ramite J05D	85.41	298	eP	P	19 11 54.1	-0.4
J05D	Fort Rock, OR baz=250	85.46	44	P	P	19 11 53.3	-1.0
MURC	Murrieta baz=254,SNR=5.5	85.50	55	P	P	19 11 54.0	-0.6
YERR	Yerington DAWY	85.50	49	eP	P	19 11 58.2	+3.5
DAWY	Dawson comp=Z,35nm,1.0s	85.51	21	eP	P	19 11 53.3	-0.8
CWC	Cottonwood Cre baz=253	85.62	52	P	P	19 11 54.4	-0.9
PARH	Pah Rah Rang LAHC	85.62	48	eP	P	19 11 54.9	-0.3
LAHC	Laurel Mtn Rad baz=253,SNR=4	85.65	53	P	P	19 11 54.8	-0.6
MOD	Modoc Plateau comp=Z,178nm,1.3s	85.65	46	eP	P	19 11 54.9	-0.4
BAR	Barrett TIN	85.67	56	eP	P	19 11 55.5	+0.1
TIN	Tinimaha, Big baz=253,SNR=18	85.69	51	P	P	19 11 54.9	-0.7
E04D	Cinebar baz=249	85.70	41	P	P	19 11 54.1	-1.1
D05D	Eldon baz=249	85.72	40	P	P	19 11 54.1	-1.1
I03D	Terrebonne, OR baz=250	85.74	43	P	P	19 11 54.5	-1.0
D04E	Lakebay baz=249	85.79	40	P	P	19 11 54.1	-1.5
PINE	Pine Mountain PGC	85.83	44	eP	P	19 11 56.8	+0.6
PGC	Sidney BBRC	85.90	39	eP	P	19 11 56.3	+0.2
BBRC	Big Bear Solar baz=254	85.91	54	eP	P	19 11 55.9	-0.9
RYN	Ryan MONP2	85.93	50	eP	P	19 11 57.0	+0.3
MONP2	Monument Peak baz=254,SNR=43	85.93	56	P	P	19 11 57.3	-0.6
JIRN	Jiri comp=Z,898nm,1.7s	85.94	299	eP	P	19 11 56.8	-0.5
MPMC	Manual Prosep baz=253,SNR=24	85.97	52	P	P	19 11 56.0	-1.1
RRX	Edison Barstow baz=254	86.02	54	P	P	19 11 56.2	-0.9
NV01	Mina Array Sit NVAR	86.04	50	eP	P	19 11 55.0	-2.4
NVAR	Mina Array Bea comp=Z,60nm,0.9s,baz=232,slo=7.1,SNR=52	86.04	50	eP	P	19 11 57.3	0.0
NVAR	comp=Z,0.3nm,0.3s,baz=332,slo=5.1,SNR=2.4					PKKpbc	PKKpbc
NVAR	comp=Z,0.3nm,0.3s,baz=332,slo=5.1,SNR=2.4					LR	LR
TIXI	Tiksi Tiksi	86.06	349	deP	LR	19 12 10.0	+1.4
TIXI	comp=Z,35um,20.0s					LR	LR
TIXI	comp=Z,175nm,2.5s					pmax	pmax
TIXI	comp=Z,22um,19.0s					MLR	MLR
TIXI	Tiksi comp=Z,13nm,0.5s,baz=123,slo=7.8,SNR=44	86.06	349	deP	LR	19 11 55.5	-0.9
G05D	Wamic, OR baz=250	86.10	43	P	P	19 11 56.7	-0.4
PFO	Pinyon Flats O comp=Z,28nm,1.1s	86.10	55	eP	P	19 11 57.1	-0.6
PFO	Pinyon Flats O comp=Z,28nm,1.1s	86.10	55	eP	P	19 11 57.1	-0.6
PFO	Pinyon Flats O comp=Z,89nm,1.1s	86.10	55	eP	P	19 11 56.7	-1.0
PFO	Pinyon Flats O baz=254,SNR=24	86.10	55	eP	P	19 11 56.7	-1.0
PFO	Pinyon Flats O comp=Z,73um,20.8s,baz=264,slo=30	86.10	55	eP	LR	19 42 22.0	
XPFO	Pion Flat In-K-Pah, Jac	86.10	55	eP	P	19 11 57.1	-0.5
IKP	In-K-Pah, Jac baz=254,SNR=16	86.12	56	P	P	19 11 57.3	-0.4
NV11	Mina Array Sit F05D	86.15	50	eP	P	19 11 57.5	-0.3
F05D	White Salmon baz=250	86.19	42	eP	P	19 11 56.5	-1.1
LRN	Lonmie LRN	86.26	41	eP	P	19 11 57.6	-0.4
LRN	Lonmie GUN	86.26	41	eP	P	19 11 57.6	-0.4
GUN	Gumba comp=Z,11um,2.3s	86.27	299	eP	P	19 11 58.5	-0.4
GSC	Goldstone, Bar GSC	86.29	53	eP	P	19 11 58.6	+0.1
GSC	Goldstone, Bar baz=254,SNR=30	86.29	53	eP	P	19 11 57.9	-0.7
D05A	Enunclaw GRAC	86.29	41	eP	P	19 11 59.4	+1.2
GRAC	Grapevine Rang baz=253,SNR=8.5	86.33	51	P	P	19 11 58.1	-0.5
KVN	Kaiserville KVN	86.37	49	eP	P	19 11 57.9	-1.1
KVN	Kaiserville A04D	86.37	49	eP	P	19 11 57.9	-1.1
A04D	Lummi Island baz=249,SNR=9.0	86.38	39	P	P	19 11 58.2	-0.3
DLBC	Dease Lake DLBC	86.41	28	eP	LR	19 11 58.2	-0.4
DLBC	Dease Lake comp=Z,45um,19.8s,baz=262,slo=32	86.41	28	LR	LR	19 44 44.9	
SWSC	Sam W. Stewart SNR=16	86.45	56	P	P	19 11 58.8	-0.5
PALK	Pallekele comp=Z,369nm,1.7s	86.51	278	eP	P	19 12 01.0	+1.0
PALK	Pallekele SNR=16	86.51	278	iP	P	19 11 59.5	-0.4
PALK	Pallekele comp=Z,369nm,1.7s	86.51	278	eP	P	19 12 01.0	+1.0
PALK	Pallekele comp=Z,369nm,1.7s	86.51	278	eP	pmax	19 12 01.0	+1.0
HEC	Hector,Ludlow baz=254,SNR=54	86.53	54	P	P	19 11 58.4	-1.3
FURC	Furnace Creek, baz=254,SNR=27	86.57	52	P	P	19 11 58.9	-0.8
BELC	Belle Mtn, Jos baz=254,SNR=80	86.57	55	P	P	19 11 59.1	-0.9
PKI	Pulchok comp=Z,235nm,1.4s	86.59					

7d 18h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PV21, YNR, H17A, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SEM, SDCO, GDL2, etc.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like AAK, AMTX, VNA1, etc.





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MESJ, PVAL, PTEO, GIBL, PBDV, MORF, PZMO, ASCN, TORD, KIC, LIC, DBIC, DBIC, TACV, SACV.

MEX 07 19:02:14.6 ± 1.0, 3042N x 109°57'W, h3km, MD3.7, Sonora. Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC.

ICC 07 19:09:01.8 ± 0.9, 12° 15'N x 143° 80'E, h0km, mb4.5/21, mb1 4.6/21, mb1mx4.3/64, mbtmp4.5/21, Error ellipse: s-maj=24.4km s-min=17.4km az=149.0

ISCJB 07 19:09:04.6 ± 0.5, 12° 16'N x 143° 166'E, 0° 07' h26km, mb4.7/34, Error ellipse: s-maj=12.5km s-min=7.2km az=142.8

NEIC 07 19:09:05.1 ± 2.9, 12° 14'N x 143° 73'E, h20km ± 20km, mb4.9/10, Error ellipse: s-maj=27.2km s-min=7.2km az=140.0

ISC 07 19:08:05.9 ± 0.5, 12° 11'N x 143° 8'E, 0° 11' h26km, n55, ±0.63/56, mb4.8/42, Az of Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GUMO, LUWI, MJAR, MAJO, KSRK, KSAR, WR1, WRA, BJT, CM31, CMAR, SONA, SONM, SHL, LSA, JIRN, GUN, PKI, PKIN, PMN, WMQ, DANN, KOLN, PULY, MK32, MKAR, ZALV, ZAA1, KURK, KURKB, NIL, GAR, ILAR, BVAR, INK, INK, ABKAR, AKTO, GEYT, WSAR, KIRV, YKW3, YKBA, YKBA, RES, NEW.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BMO, ARAO, ARCS, NVAR, FIAO, PDAR, NB200, NOA.

ISCJB 07 19:12:30.9 ± 0.4, 70° 99'S x 0° 05' 165° 71'E, 0° 06' h10km, mb4.4/23, Error ellipse: s-maj=8.8km s-min=3.5km az=149.5

ICC 07 19:12:30.8 ± 0.8, 81° 05'S x 165° 79'E, h0km, mb4.2/15, mb1 4.4/16, mb1mx4.2/44, mbtmp4.2/16, ML5.1/7, Error ellipse: s-maj=23.0km s-min=16.9km az=125.0

NEIC 07 19:12:32.5 ± 0.3, 10° 94'S x 165° 77'E, h10km, mb4.9/10, Error ellipse: s-maj=12.6km s-min=6.4km az=95.0

ISC 07 19:12:32.7 ± 0.6, 10° 95'S x 165° 76'E, 0° 09' h10km, n46, ±111/42, mb4.6/23, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR, DZM, EIDS, MANU, CTA, ARMA, H1S2, H1S3, H1S1, STKA, THZ, WR1, WRA, KHZ, LTZ, FOZ, AS01, AS31, ASAR, RPZ, MJAR, MAJO, ASAJ, KLR, CMAR, SONA, SONM, HDA, ILAR, NV01, NVAR, MK32, MKAR, ZALV, ZAA1, YKA, ARAO, NB2, NB200, TOR, TOA1, GEN 07 19:16:43.5, 44° 30'N x 102° 6'E, h16km ± 2km, M10.8, Northern Italy

GEN 07 19:16:43.5, 44° 30'N x 102° 6'E, h16km ± 2km, M10.8, Northern Italy

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like EQUI, SARO, CARD.

ICC 07 19:23:27.1 ± 0.7, 60° 87'N x 167° 24'E, h0km, mb4.0/16, mb1 4.2/19, mb1mx3.9/74, mbtmp4.0/19, ML5.3/2, Error ellipse: s-maj=21.0km s-min=9.9km az=167.0

ISCJB 07 19:23:28.5 ± 0.3, 60° 92'N x 167° 12'E, 0° 07' h22km, mb4.1/19, Error ellipse: s-maj=6.3km s-min=3.4km az=136.5

KRSC 07 19:23:29.3 ± 0.9, 60° 90'N x 166° 85'E, h44km ± 7km, ML4.5, L I II at Khalinil

NEIC 07 19:23:29.6 ± 2.6, 60° 91'N x 167° 13'E, h16km ± 16km, mb4.3/9, Error ellipse: s-maj=7.9km s-min=3.7km az=166.0

MOS 07 19:23:30.7 ± 1.2, 60° 93'N x 167° 00'E, h44km, mb4.3/12, Error ellipse: s-maj=16.7km s-min=6.4km az=74.8

MOS Felt (III-IV) at Khalinil. ISC 07 19:23:30.3 ± 0.5, 60° 91'N x 167° 08'E, 0° 06' h22km, n70, ±0.94/75, mb4.3/19, Eastern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TILK, KMSK, OSSL, OSSR, PALN.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PALN, KBG, KBTB, KBRK, SMKR, SRKR, SDR, BDR, KLV, KLY, ZLN, ZLN, TUMD, TUMR, BILL, SEY.

SEY 1.2nm, 0.3s, baz=98, slow=15, SNR=12.1 Lg 19 27 17.1

MA2 Magadan 8.22 268 Pn 19 25 28.5 +0.3

RDGO Red Dog Mine 14.64 48 ePn 19 26 54 -1.3

MLY Manley 19.32 59 P 19 27 53.6 -0.1

MCK McKinley 20.32 63 eP 19 28 05.6 -0.9

MDM Murphy Dome 20.39 59 eP 19 28 05.9 +0.6

WRH Wood River Hill 20.53 61 P 19 28 06.5 -0.3

KDAK Kodiak Island 20.57 81 P 19 28 06.9 -0.3

ILB Eielson Array 20.99 59 eP 19 28 11.8 +0.1

ILB Eielson Array 20.99 59 eP 19 28 11.3 -0.4

SCRK Sand Creek 22.39 61 eP 19 28 26.5 -0.4

KLR Kul'dur 23.04 256 P 19 28 34.1 +0.4

DAW Dawson 24.31 59 eP 19 28 46.0 +0.1

INK Inuvik 25.52 48 eP 19 28 57.8 +1.1

INK Inuvik 25.52 48 eP 19 28 57.8 +1.1

MAJO Matsushiro 30.47 230 eP 19 29 41.6 +0.3

MJAR Matsushiro Arr 30.47 230 P 19 29 41.6 +0.3

YKA Yellowknife Arr 35.05 52 P 19 30 20.6 -0.3

SPITS Spitsbergen Ar 40.02 351 P 19 31 03.0 +0.2

ARAO ARCESS Array S 46.99 343 P 19 31 58.6 -0.5

ARCS ARCESS Array B 46.99 343 P 19 31 58.6 -0.5

KURK Kurchatov 47.02 300 P 19 32 01.0 +1.6

KURK Kurchatov 47.02 300 P 19 32 01.0 +1.6

KURKB Kurchatov Arra 47.12 300 P 19 32 01.0 +0.7

MK32 Makanchi Array 48.36 294 eP 19 32 10.9 +0.9

MKAR Makanchi Array 48.36 294 P 19 32 10.9 +0.9

PDAR Pinedale Array 50.81 71 P 19 32 29.1 +0.1

ULM Lac du Bonnet 50.92 52 P 19 32 29.5 -0.2

NB2 NORARS Subarra 56.57 346 P 19 33 12.7 -0.7

NB200 NORARS Array S 56.97 346 eP 19 33 13.1 -0.4

NOA NORARS Array B 56.97 346 P 19 33 13.1 -0.4

CMAR Chiang Mai Arr 63.43 260 P 19 33 59.3 +1.2

WRA Warramunga Arr 84.78 211 eP 19 36 02.2 -0.3

WR1 Warramunga Arr 84.78 211 P 19 36 02.2 -0.3

ASAR Alice Springs 88.46 210 P 19 36 20.0 -0.4

ISCJB 07 19:25:12.4 ± 0.3, 11° 22'S x 165° 84'E, 0° 05' h10km, mb4.5/36, Error ellipse: s-maj=7.4km s-min=6.7km az=18.6

ICC 07 19:25:13.1 ± 0.7, 11° 10'S x 165° 84'E, h0km, mb4.0/14, mb1 4.3/16, mb1mx4.1/47, mbtmp4.1/16, ML4.7/2, Error ellipse: s-maj=21.1km s-min=16.2km az=113.0

NEIC 07 19:25:15.6 ± 4.1, 11° 7'S x 165° 82'E, h20km ± 20km, mb4.9/20, Error ellipse: s-maj=10.9km s-min=8.0km az=176.0

ISC 07 19:25:14.2 ± 0.5, 11° 16'S x 165° 86'E, 0° 07' h10km, n69, ±1567/68, mb4.7/36, 1C, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR, HNR, DZM, PINZ, MSVF, MANU, CTA, COEN, BKZ, STKA, STKA, H1N1, H1N3, H1N2, THZ, WRAB, WR1, WR2, WRA, RPZ, AS31, ASAR, MJAR, MAJO, KSRK.



Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like KSAR Warramunga Arr, WRA Warramunga Arr, AS01 Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, AS01 Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like GMRC Paradox Valley, PV15 Mesa Verde, MVCO Mesa Verde, etc.



7d 19h

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Table with columns for call sign, name, frequency, and other parameters. Includes entries like AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, etc.

Table with columns for call sign, name, frequency, and other parameters. Includes entries like MAT Matsushiro, MJB9 Matsu-Tunnel, PCJ1 Pacifi, UGM Wanaqama, etc.

Table with columns for call sign, name, frequency, and other parameters. Includes entries like GYA Sadao Pong, GYA Sadao Pong, TRTT Traa, CHAI Chaiyaphum, etc.

639		2013 FEB										7d 19h									
GTA	Gaotai	78.98	314	LP	P	20 00 23.9 +1.6	MWC	Mount Wilson	84.77	54	EP	P	20 00 53.7 +0.8	BMO	Blue Mountains	88.40	44	EP	P	20 01 11.4 +1.0	
GTA	Gaotai			SP	SP	20 00 28.6 -2.2	MWC	Mount Wilson	84.77	54	EP	P	20 00 53.7 +0.8	BMO	Blue Mountains			PMAX	PMAX		
GTA	Gaotai			PMAX	PMAX	20 00 31.2 +4.4	MWC	Mount Wilson						BMO	Blue Mountains			MLR	MLR		
GTA	comp-Z,31nm,1.2s			LR	LR		ISA	Isabella, Lake	84.86	52	EP	P	20 00 54.3 +1.1	214A	Organ Pipe Nat	88.42	57	P	P	20 01 12.6 +1.9	
GTA	comp-Z,5um,18.4s			LR	LR		ISA	Isabella, Lake	84.86	52	EP	P	20 00 54.3 +1.1	ELK	Elko	88.72	48	EP	P	20 01 13.1 +0.8	
GTA	comp-Z,5um,17.5s			LR	LR		ISA	Isabella, Lake	84.86	52	EP	P	20 00 54.3 +1.1	ELK	Elko	88.72	48	EP	P	20 01 13.0 +0.8	
QSPA	South Pole Qui	79.18	180	EP	P	20 00 23.2 +0.3	WAKR	Walker	84.98	49	EP	P	20 00 54.1 +0.2	F10A	Beach Ranch, E	88.78	43	EP	P	20 01 13.3 +1.2	
QSPA	comp-Z,7um,17.1s			LR	LR		WAKR	Walker	84.98	49	EP	P	20 00 54.1 +0.2	WAKR	Walker	84.98	49	EP	P	20 01 13.3 +1.2	
QSPA	comp-Z,23nm,0.9s			LR	LR		FYU	Fort Yukon	85.00	18	EP	P	20 00 54.8 +1.7	PYUN	Piuthan	88.83	299	EP	P	20 01 12.1 -0.8	
SUA	Susitna One	79.68	20	EP	P	20 00 25.6 +0.1	EDW2	Edwards Air Fo	85.00	53	P	P	20 00 55.5 +1.5	WMQ	Urumqi	89.01	315	P	P	20 01 13.4 +0.1	
RC01	Rabbit Creek A	79.75	20	EP	P	20 00 26.0 +0.2	OMMB	Old Mammoth Mi	85.03	50	EP	P	20 00 55.9 +1.5	WMQ	Urumqi	89.01	315	PP	SP	20 01 19.7 +1.9	
PMR	Palmer	80.31	20	EP	P	20 00 28.4 -0.4	H04A	Detroit Lake	85.05	43	EP	P	20 00 54.5 +0.5	WMQ	Urumqi	89.01	315	SP	PMAX	20 01 23.0 +6.4	
PMR	Palmer	80.31	20	EP	P	20 00 28.4 -0.4	BFSO	Mount Baldy Ra	85.09	54	P	P	20 00 55.6 +1.1	WMQ	Urumqi	89.01	315	EP	LR	20 01 14.0 +0.7	
BOD	Bodaibo	80.37	335	EP	P	20 00 29.4 +0.2	J05D	Fort Rock, OR	85.22	44	P	P	20 00 56.9 +1.9	WMQ	Urumqi	89.01	315	EP	P	20 01 14.0 +0.7	
BOD	Bodaibo			PMAX	PMAX		DAWY	Dawson	85.31	21	EP	P	20 00 56.3 +1.5	WMQ	Urumqi	89.01	315	EP	PMAX	20 01 14.0 +0.7	
KNK	Knik Glacier	80.42	20	EP	P	20 00 30.6 +1.2	PAHR	Pah Rah Rang	85.39	48	EP	P	20 00 56.7 +0.8	WMQ	Urumqi	89.01	315	EP	P	20 01 14.2 +0.8	
SHL	Shilling	80.50	298	EP	P	20 00 31.6 +0.8	MOD	Modoc Plateau	85.42	46	EP	P	20 00 56.9 +0.9	PSUT	Pine Spring	89.19	51	EP	P	20 01 15.4 +1.0	
SHL	Shilling	80.50	298	EP	P	20 00 31.7 +0.8	RAMN	Ramite	85.44	298	EP	P	20 00 57.0 +0.4	LCMT	Little Creek M	89.28	52	EP	P	20 01 15.6 +0.9	
SHL	Shilling			PMAX	PMAX		I05D	Terrebonne, OR	85.50	43	EP	P	20 00 58.1 +1.8	CCUT	Cedar City	89.32	52	EP	P	20 01 15.9 +0.8	
SHL	Shilling	80.50	298	EP	P	20 00 32.0 +1.1	PINE	Pine Mountain	85.59	44	EP	P	20 00 56.1 -0.8	NEW	Newport	89.51	41	EP	LR	20 01 16.2 +0.8	
RPN	Rapping Nui	80.58	116	PFAKE	LR	20 00 40.0 +8.9	RYN	Ryan	85.70	50	EP	P	20 00 58.3 +0.8	NEW	Newport	89.51	41	EP	LR	20 01 16.2 +0.8	
RPN	Rapping Nui			LR	LR		MONPZ	Monument Peak	85.71	56	P	P	20 00 59.0 +1.3	NEW	Newport	89.51	41	EP	P	20 01 16.7 +1.3	
CAPT	Castle Rocks	80.71	18	EP	P	20 00 31.1 +0.2	MPMC	Manual Propsec	85.74	52	P	P	20 00 59.3 +1.5	NEW	Newport	89.51	41	EP	P	20 01 16.2 +0.8	
SML	Sawmill	80.73	20	EP	P	20 00 32.3 +1.1	NV01	Mina Array Sit	85.80	50	EP	P	20 00 58.1 0.0	SZCU	Shurtz Canyon	89.55	52	EP	P	20 01 16.2 +0.8	
SML	Sawmill	80.73	20	EP	P	20 00 32.3 +1.1	NVAR	Mina Array Bay	85.80	50	EP	P	20 00 59.4 +1.3	KNB	Kanab	89.61	52	EP	P	20 01 17.2 +0.8	
DIV	Divide	81.17	22	EP	P	20 00 34.5 +1.1	NVAR	Mina Array Bay	85.80	50	EP	P	20 00 59.4 +1.3	INK	Inuvik	89.66	19	EP	P	20 01 16.0 +0.4	
TRF	Thorofare Moun	81.28	18	EP	P	20 00 35.8 +1.7	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	P	20 01 16.0 +0.4	
KLU	Klutina	81.36	21	EP	P	20 00 35.7 +1.2	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
ZAK	Zakamensk	81.58	325	EP	P	20 00 35.7 -0.3	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
ZAK	Zakamensk			PMAX	PMAX		PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
RND	Reindeer	81.69	19	EP	P	20 00 37.1 +0.8	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
RND	Reindeer	81.69	19	EP	P	20 00 37.1 +0.8	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
RND	Reindeer			PMAX	PMAX		PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
RDG	Red Dog Mine	81.79	11	EP	P	20 00 37.8 +1.3	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
RDG	Red Dog Mine	81.79	11	EP	P	20 00 37.8 +1.3	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
MCK	McKinley	81.90	19	EP	P	20 00 37.9 +0.6	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
MCK	McKinley	81.90	19	EP	P	20 00 37.9 +0.6	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
MCK	McKinley			PMAX	PMAX		PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
MCK	McKinley	81.90	19	EP	P	20 00 37.9 +0.6	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
DHY	Denali Highway	81.94	20	EP	P	20 00 38.0 +0.3	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
TLY	Talaya	82.00	326	EP	P	20 00 37.9 -0.2	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
TLY	Talaya	82.00	326	EP	P	20 00 37.9 -0.2	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
TLY	Talaya			LR	LR		PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
TLY	Talaya	82.00	326	EP	P	20 00 38.6 +0.5	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
BWN	Browne	82.05	18	EP	P	20 00 38.0 0.0	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
BWN	Browne	82.05	18	EP	P	20 00 38.0 0.0	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
IM3	Indian Mountai	82.18	16	EP	P	20 00 39.7 +1.0	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
HARP	HAARP	82.24	21	EP	P	20 00 40.0 +1.0	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
HARP	HAARP	82.24	21	EP	P	20 00 40.0 +1.0	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
MLY	Manley	82.30	17	EP	P	20 00 39.8 +0.5	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
MLY	Manley	82.30	17	EP	P	20 00 39.8 +0.5	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
LSA	Lhasa	82.32	302	EP	P	20 00 41.5 +0.7	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
LSA	Lhasa	82.32	302	EP	P	20 00 41.5 +0.7	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
LSA	Lhasa			LR	LR		PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
LSA	Lhasa	82.32	302	EP	P	20 00 41.6 +0.7	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
LSA	Lhasa			PMAX	PMAX		PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
LSA	Lhasa	82.32	302	EP	P	20 00 41.6 +0.7	PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	
LSA	Lhasa			PMAX	PMAX		PFO	Pinyon Flats O	85.87	55	EP	P	20 00 57.8 -0.6	INK	Inuvik	89.66	19	EP	PMAX	20 01 16.0 +0.4	

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for stations in the 7d 20h range.

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for stations in the 2013 FEB range.

Table with columns: Call sign, Frequency, Mode, Power, and other technical details for stations in the 640 range.

IDC 07 19:56:07.1±3.6, 11.325x167.07E, h0km, mb4.0/4, s-maj=146.3km s-min=32.4km az=137.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC for stations in the Santa Cruz Islands.

NEIC 07 20:00:51.5±0.7, 10.855x165.80E, h14km, mb4.9/21, Error ellipse: s-maj=28.3km s-min=17.7km az=127.0

ISC 07 20:00:50.7±0.5, 10.925x165.79E, h10km, n73, ±1307/2, mb4.7/40, 1C, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC for various stations.









7d 20h

ASAR Alice Springs 136.62 220 PKP PKPdf 20 44 24.3 -1.6
WRA Warramunga Arr 138.95 224 PKP PKPdf 20 44 29.4 -0.8
SONM Songjino Array 141.93 359 PKHP PKPpre 20 44 30.3
FITZ Fitzroy Crossi 145.86 216 PKPbc PKPdf 20 44 42.2 -0.2

KRNET 07 20:27:27.9.0.1, 42.97N-77.78E, h20km, mb3.1
NNC 07 20:27:27.0.0.3, 42.95N-77.81E, h0km-2km, mb3.1,
mpv3.3, Error ellipse: s-maj=3.7km s-min=1.5km az=172.0
SOME 07 20:27:28.0, 42.95N-77.78E, h20km
ISC 07 20:27:28.5.1.0, 42.97N-0.02-77.76E, 0.01, h6km, gkm,
n96, e185/167, 47C-21Z, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Contains station data for KOTS, MDOK, TNSNS, KURS, KNDC, AAA, PRZ, IZV, KDJ, UZB, MTBS, CHKK, KTBS, MNBS, TARG.

2013 FEB

Table with columns: TARG, Az, AZ, Phase ID, Time, Res, ISC. Contains station data for ARXS, SHLS, KST, PDGK, ULHL, KUU, KUR, BOOM, DGS, TKM2, TKM1, KTMS, DJR, NRN, KZA, TDK, CHMS, FRU1, USP, AAK, UCH, KAPS.

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Table with columns: KAPS, Az, AZ, Phase ID, Time, Res, ISC. Contains station data for KAPS, ARLS, EKS2, AML, MNAS, SFK, MAKZ, MK31, MK31, OTUK, KURBS, KURK.

IDC 07 20:30:47.6.3.2, 12.03S-165.07E, h0km, mb3.8/5,
mb1 4.0/5, mb1mx3.7/34, mbtmp3.7/5, Error ellipse:
s-maj=109.2km s-min=32.9km az=136.0, Santa Cruz
Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Contains station data for WRA, ASAR, CMAR, ILAR, MKAR.

ATH 07 20:31:44.4, 34.91N-23.05E, h40km-2km, ML3.6/4, Error
ellipse: s-maj=4.5km s-min=2.1km az=47.0
ISC, JB 07 20:31:46.1, 0.9, 35.02N-0.07-23.11E, 0.07, h68km-5km,
mb3.6/14, Error ellipse: s-maj=13.5km s-min=6.6km
az=40.2

THE 07 20:31:46.0, 35.00N-23.10E, h12km-1km, ML3.5/3, Error
ellipse: s-maj=1.9km s-min=0.6km az=52.0
IDC 07 20:31:47.5.2.1, 35.13N-23.10E, h60km-16km, mb3.5/14,
mb1 3.6/19, mb1mx3.5/51, mbtmp3.7/19, Error ellipse:
s-maj=22.1km s-min=14.4km az=19.0
ISC 07 20:31:45.0.1.3, 34.91N-0.07-23.00E, 0.06, h46km-12km,
n50, e1813/67, mb4.0/21, Central Mediterranean Sea

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Contains station data for GVD, IMMV, ANKY, CHAN, VAM, IACM, LAST, MHLO, NPS, SANT, STIA, ZKR, KARP, VAE, BRTR, MMAI, MLR, EIL, GERES, AKASO, KBZ, HFS, FINES, NB2, NOA, EKA.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like GEYT Alibeck, TORD Torodi Ar. Bea, ARCES ARCES Array B, etc.

ISCJB 07 20:41:38.0, 0.4, 0.39S: 0.02: 124.40E: 0.03, h64km, 4km, mb4.5/9, Error ellipse: s-maj=4.6km s-min=3.9km

NEIC 07 20:41:38.2, 0.7, 0.41S: 124.36E, h64km, 7km, mb4.6/30, Error ellipse: s-maj=6.9km s-min=5.0km az=53.0

DJA 07 20:41:38.5, 0.4, 0.5, S: 2 \* 12 \* 4E, h39km, 7km, M4.8/19, mb4.8/19, mb5.3/6, MLV4.9/18, Mw(Mb)4.7/6

ICC 07 20:41:40.5, 2.5, 0.35S: 124.24E, h75km, 23km, mb4.2/21, mb1.4/2.25, mb1mx4.1/4.6, mbtmp4.5/25, Error ellipse: s-maj=20.1km s-min=11.4km az=88.0

ISC 07 20:41:38.8, 0.8, 0.36S: 0.04: 124.43E: 0.04, h63km, 8km, n148, c158/162, mb4.5/59, 2C, Southern Molucca Sea

Main table for station 645, listing various stations like KMSI Cibinong, LUWI Luwuk, SANI Sanana, etc., with their respective parameters.

Main table for station 2013 FEB, listing stations like CMMT Chiang Mai, CHTO Chiang Mai, CHTO Chiang Mai, etc., with their respective parameters.

Main table for station 7d 20h, listing stations like INK Inuvik, TORD Torodi Ar. Bea, TOA1 Torodi Ar. Sit, etc., with their respective parameters.







7d 21h

BKSI	Bulukumba	22.79 267	P	P	21 43 19.8 +0.4
BNSI	Bone	22.80 269	P	P	21 43 20.7 +1.2
BASI	Baing, Sumba	22.94 254	P	P	21 43 20.7 -0.1
WSI	Waingapu	23.09 256	P	P	21 43 19.1 -3.2
SPSI	Sidrap Palu	23.15 270	P	P	21 43 22.8 -0.1
TTSI	Tana Toraja	23.15 273	P	P	21 43 23.9 +0.9
PCI	Palu	23.38 278	P	P	21 43 27.5 +2.5
MPSI	Mapaga	23.54 281	P	P	21 43 26.7 +0.2
PLAI	Plampang	25.40 259	P	P	21 43 39.3 +0.0
RCP	Roxas	25.65 308	eP	P	21 43 49.9 +4.3
SMKI	Samarinda	26.04 278	P	P	21 43 55.5 +6.3
KBK	Balikpapan	26.24 276	P	P	21 43 55.5 +6.3
KBKI	Kotabaru	26.77 271	P	P	21 43 52.8 -2.9
CMSA	Cobar Meteorol	27.07 175	P	P	21 43 59.7 +1.5
ARMA	Armidale	27.10 163	P	P	21 44 01.2 +2.7
STKA	Stephens Creek	27.32 183	P	P	21 44 01.2 +0.8
STKA	Stephens Creek	27.32 183	eP	P	21 44 01.5 +1.1
STKA	Stephens Creek	27.32 183	P	P	21 44 01.4 +1.1
SRBI	Singaraja	27.83 261	P	P	21 44 03.3 -1.8
MBWA	Marble Bar	28.03 232	P	P	21 44 07.9 +1.1
KKM	Kota Kinabalu	28.69 291	eP	P	21 44 12.6 -0.3
JAGI	Jajag, Banyuw	28.81 261	eP	P	21 44 12.5 -2.3
BBOO	Buckleboo	28.95 192	P	P	21 44 16.0 +1.1
BBOO	Buckleboo	28.95 192	eP	P	21 44 15.0 +0.1
KMMI	Kaliangit	28.98 264	P	P	21 44 19.6 +4.3
HTT	Hallett	29.09 187	P	P	21 44 17.0 +0.9
GMJI	Gumukmas	29.59 261	P	P	21 44 19.2 -1.6
MARNC	Mare, Loyalty	29.63 127	eP	P	21 44 20.4 -0.6
FORT	Forrest	29.73 207	P	P	21 44 22.4 +0.6
FORT	Forrest	29.73 207	eP	P	21 44 22.6 +0.8
YNG	Young	30.13 171	P	P	21 44 26.2 +0.9
PWJ	Pagerwojo	31.18 262	P	P	21 44 32.6 -2.2
CAN	Canberra	31.23 170	P	P	21 44 37.1 +2.1
CNB	Canberra Magne	31.28 170	P	P	21 44 37.2 +1.7
SBUM	Sibu	31.49 282	eP	P	21 44 38.4 +0.8
PCJI	Pacific	31.82 262	P	P	21 44 37.5 -2.9
MEEK	Miekkatharra	32.09 224	P	P	21 44 44.1 +1.5
ARPS	Mount Arapiles	32.19 182	P	P	21 44 45.4 +2.1
UGM	Wangama	32.44 262	P	P	21 44 44.4 -1.5
TOO	Toolang	33.05 176	P	P	21 44 53.4 +2.5
KSM	Kuching	33.17 279	eP	P	21 44 52.2 0.0
KPIJI	Karung Pucung	33.98 264	P	P	21 44 59.0 -0.3
CMJI	Cimerak	34.48 263	P	P	21 45 01.5 -2.1
CISI	Cisompot, Garu	35.10 263	eP	P	21 45 07.5 -1.5
CISI	Cisompot, Garu	35.10 263	P	P	21 45 07.5 -1.5
LEM	Lembang	35.25 264	P	P	21 45 09.9 -0.9
LEM	Lembang	35.26 264	P	P	21 45 09.6 -0.9
TPI	Tanjungpandan	35.29 271	P	P	21 45 11.8 +1.2
MORW	Morawa	35.38 223	P	P	21 45 12.8 +1.6
MORW	Morawa	35.38 223	eP	P	21 45 12.0 +0.8
KLBR	Kellerberrin	35.92 218	P	P	21 45 16.8 +1.1
BLDU	Ballidu	35.92 221	P	P	21 45 17.2 +1.4
FUNA	Funafuti	36.20 98	eP	P	21 45 18.1 -0.3
SKJI	Sukabumi	36.32 264	P	P	21 45 17.1 -2.3
MSVF	Nonsavu	36.77 114	eP	P	21 45 24.2 +0.9
MSVF	Nonsavu	36.77 114	iP	P	21 45 23.4 +0.3
PPBI	Pangkal Pinang	36.84 272	P	P	21 45 23.8 -0.1
MUN	Munding	37.15 219	P	P	21 45 27.7 +1.5
NWAO	Narrogin (SRO)	37.16 217	P	P	21 45 27.8 +1.6
NWAO	Narrogin (SRO)	37.16 217	eP	P	21 45 27.1 +0.9
NWAO	Narrogin (SRO)	37.16 217	P	P	21 45 26.4 +0.1
KASI	Kota Agung	38.35 267	P	P	21 45 35.1 -1.4
RKGY	Rocky Gully	38.49 216	P	P	21 45 39.9 +2.4
MDSI	Maura Dua	38.68 268	P	P	21 45 39.0 -0.3
LWLI	Liwa	38.79 268	P	P	21 45 39.5 -0.8
JNU	Nakatsue	39.08 344	P	P	21 45 42.8 +0.4
LHSI	Lahat	39.35 269	P	P	21 45 45.5 +0.6
QIZ	Qiongzong	40.10 307	eP	P	21 45 50.8 -0.3
MASI	Maura Aman, Be	40.66 270	P	P	21 45 56.6 +0.8
SSE	Sheshan	41.01 331	eP	P	21 45 58.2 -0.1
MJAR	Matsushiro Arr	41.02 354	P	P	21 45 56.7 -1.6
MAJO	Matsushiro	41.02 354	eP	P	21 45 57.9 -0.4
MAJO	Matsushiro	41.02 354	eP	P	21 45 57.9 -0.4
KRJI	Kerinci	41.51 272	P	P	21 46 01.8 -1.0
OZU	Omahuta	41.69 141	eP	P	21 46 05.0 +1.1
BKNI	Bangkinang	42.16 275	eP	P	21 46 08.1 +0.1
BKNI	Bangkinang	42.16 275	P	P	21 46 08.8 +0.8
PDSI	Padang	42.60 273	P	P	21 46 10.7 -1.0
PPI	Padang Panjang	42.72 274	P	P	21 46 11.4 -0.6
IPM	Ipon	42.84 281	eP	P	21 46 14.0 +0.5
NJ2	Nanjing	42.94 329	eP	P	21 46 14.1 +0.1
NJ2	Nanjing	42.94 329	eP	P	21 46 14.1 +0.1
KULM	Kulim	43.37 282	eP	P	21 46 18.3 +0.6
SKLT	Songkhla	43.82 285	P	P	21 46 22.9 +1.5
KSAR	Konjarray Be	43.98 343	P	P	21 46 22.6 +0.4
KSAR	Konjarray Be	43.98 343	P	P	21 46 22.7 +0.4
KSRS	Korea Array	43.98 343	P	P	21 46 22.6 +0.4
KS01	Konjarray Si	44.01 343	eP	P	21 46 22.4 -0.1
KS01	Konjarray Si	44.01 343	eP	P	21 46 46.8 +0.4
SKNT	Sakolnakhorn	44.01 300	P	P	21 46 23.3 +0.5
SRAK	Srakaw	44.55 295	P	P	21 46 27.2 0.0
PSI	Prapat	44.60 278	P	P	21 46 27.5 -0.3
HIZ	Haiti	44.61 144	eP	P	21 46 28.5 +1.2
HIZ	Haiti	44.61 144	P	P	21 46 30.7 +3.4
TRTT	Trang	44.87 286	P	P	21 46 30.7 +0.9
NONG	Nongkai	45.20 301	P	P	21 46 32.5 +0.2
KNTN	Kanton	45.24 90	eP	P	21 46 32.7 0.0
CHAI	Chaiyaphum	45.32 297	P	P	21 46 33.4 +0.2
FOZ	Fox Glacier	45.59 153	eP	P	21 46 34.3 -0.6
MUGZ	Murupara	45.73 142	P	P	21 46 38.0 +1.8
THZ	Topouse	45.77 149	eP	P	21 46 37.6 +1.0
URZ	Urewera	45.80 142	eP	P	21 46 38.6 +1.9
URZ	Urewera	45.80 142	eP	P	21 46 37.6 +0.9
URZ	Urewera	45.80 142	P	P	21 46 38.4 +1.7
KCSI	Kotacane, Aceh	45.86 279	P	P	21 46 36.4 -1.2

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HAZ	Te Kaha	45.91 141	P	P	21 46 39.2 +1.6
RTZ	Ruatahuna	45.95 142	P	P	21 46 39.5 +1.5
RUGZ	Raukumara Rang	45.97 141	P	P	21 46 39.9 +1.6
DCZ	Deep Cove	45.99 156	eP	P	21 46 38.8 +0.7
BKZ	Bla Stump Fm	46.00 143	eP	P	21 46 38.6 +0.3
MTHZ	Maungataniwha	46.01 143	P	P	21 46 40.3 +1.8
MWZ	Matawai	46.10 142	P	P	21 46 41.1 +1.9
MXZ	Matakaoa Point	46.12 140	eP	P	21 46 40.2 +1.0
RAQZ	Rawiri	46.14 142	P	P	21 46 41.7 +2.2
PKGZ	Pakihoro	46.17 141	P	P	21 46 42.1 +2.3
PKDT	Phuket	46.19 285	P	P	21 46 41.1 +0.9
LTZ	Lake Taylor	46.29 150	eP	P	21 46 40.7 +0.9
KIWI	Kapiti Island	46.22 146	P	P	21 46 42.2 +2.2
SNZG	Shannon Station	46.27 142	P	P	21 46 42.3 +1.8
TWZG	Tauwahi Parae	46.29 141	P	P	21 46 42.9 +2.2
RPZ	Rata Peaks	46.30 152	P	P	21 46 41.2 +0.6
RPZ	Rata Peaks	46.30 152	P	P	21 46 41.0 +0.4
MLZ	Lake Benmore	46.30 156	eP	P	21 46 41.4 +0.8
TKGZ	Te Karaka	46.37 142	P	P	21 46 42.8 +1.6
PHET	Kaeng Krachan	46.38 292	P	P	21 46 43.3 +1.7
PYZ	Puysgur Point	46.38 157	eP	P	21 46 41.4 +0.2
SNZO	South Karori	46.41 147	eP	P	21 46 41.9 +0.4
LRZ	Lake Benmore	46.41 153	eP	P	21 46 42.0 +0.5
MBZ	Mangatainoka R	46.45 146	P	P	21 46 42.8 +1.0
PBKT	Sadao Pong	46.48 298	eP	P	21 46 42.3 0.0
PBKT	Sadao Pong	46.48 298	P	P	21 46 45.0 +2.7
KHZ	Kahutara	46.57 149	eP	P	21 46 43.0 +0.3
HOWZ	Holdsworth Sta	46.58 146	P	P	21 46 43.6 +0.8
CNGZ	Carnegie Station	46.62 141	P	P	21 46 44.9 +1.8
KNZ	Kokohu	46.62 142	P	P	21 46 44.4 +1.3
WHZ	Wether Hill R	46.66 156	eP	P	21 46 44.2 +0.9
MTW	Mount Morrison	46.75 146	P	P	21 46 45.1 +0.9
BFZ	Birch Farm	46.85 145	eP	P	21 46 44.9 0.0
PYUN	Te Maipa	46.93 146	P	P	21 46 46.1 +0.5
LHMI	Lhoti Sumawe	46.97 210	P	P	21 46 46.6 +0.4
ENH	Enshi	47.10 319	eP	P	21 46 47.7 +0.7
UTTA	Uttadit	47.30 299	P	P	21 46 49.8 +1.0
SRDT	SRDT	47.32 294	P	P	21 46 51.0 +2.0
UTHA	Uthaitani	47.45 296	P	P	21 46 50.9 +0.9
UMPA	Umpang Tak	48.21 296	P	P	21 46 57.4 +1.5
ASAJ	Asahikawa	48.34 360	P	P	21 46 56.1 -0.2
KMI	Kunming	48.90 309	P	P	21 47 03.3 +2.3
KMI	Kunming	48.90 309	P	P	21 47 24.6 -0.9
KMI	Kunming	48.90 309	P	P	21 47 35.7 -1.3
KMI	Kunming	48.90 309	eP	P	21 47 02.3 +1.1
KMI	Kunming	48.90 309	eP	P	21 47 02.3 +1.1
CM01	Chiang Mai Arr	48.96 299	eP	P	21 47 01.9 +0.3
CM01	Chiang Mai Arr	48.96 299	P	P	21 47 24.5 -1.3
CM31	Chiang Mai Arr	48.99 299	eP	P	21 47 02.9 +1.1
CMAR	Chiang Mai Arr	48.99 299	P	P	21 47 03.3 +1.5
CMAR	Chiang Mai Arr	48.99 299	P	P	21 47 03.3 +1.5
CMAR	Chiang Mai Arr	48.99 299	P	P	21 47 03.3 +1.5
CMAR	Chiang Mai Arr	48.99 299	P	P	21 47 03.3 +1.5
CMAR	Chiang Mai Arr	48.99 299	P	P	21 47 03.3 +1.5
CHTO	Chiang Mai	49.13 299	eP	P	21 47 03.5 +0.6
CHTO	Chiang Mai	49.13 299	eP	P	21 47 03.5 +0.6
CHTO	Chiang Mai	49.13 299	eP	P	21 47 03.5 +0.6
CHTO	Chiang Mai	49.13 299	eP	P	21 47 03.5 +0.6
CHTO	Chiang Mai	49.13 299	eP	P	21 47 03.5 +0.6
CHTO	Chiang Mai	49.13 299	eP	P	21 47 03.5 +0.6
USRK	Ussuriysk Arr	49.42 350	P	P	21 47 05.6 +1.0
XAN	Xi'an	49.98 323	P	P	21 47 09.4 +0.3
XAN	Xi'an	49.98 323	P	P	21 47 09.4 +0.3
XAN	Xi'an	49.98 323	P	P	21 47 09.4 +0.3
XAN	Xi'an	49.98 323	P	P	21 47 09.4 +0.3
XAN	Xi'an	49.98 323	P	P	21 47 09.4 +0.3
CN2	Changchun	50.56 344	eP	P	21 47 16.5 +3.3
CN2	Changchun	50.56 344	eP	P	21 47 37.2 -0.4
BJT	Baijiatou	50.65 333	eP	P	21 47 14.5 +0.5
BJT	Baijiatou	50.65 333	eP	P	21 47 14.5 +0.5
BJT	Baijiatou	50.65 333	eP	P	21 47 14.5 +0.5
BJI	Beijing	50.66 333	iP	P	21 47 14.2 +0.2
BJI	Beijing	50.66 333	iP	P	21 47 14.2 +0.2
YSS	Yuzh-Sakhalins	51.18 360	eP	P	21 47 16.3 -1.4
YSS	Yuzh-Sakhalins	51.18 360	eP	P	21 47 32.5
CD2	Chengdu	51.35 316	iP	P	21 47 20.4 +0.9
CD2	Chengdu	51.35 316	iP	P	21 47 20.4 +0.9
CD2	Chengdu	51.35 316	iP	P	21 47 20.4 +0.9
CD2	Chengdu	51.35 316	iP	P	21 47 20.4 +0.9
CD2	Chengdu	51.35 316	iP	P	21 47 20.4 +0.9
HHC	Hu-ho-hao-te	53.46 331	eP	P	21 47 38.4 +3.4
HHC	Hu-ho-hao-te	53.46 331	eP	P	21 47 38.4 +3.4
HHC	Hu-ho-hao-te	53.46 331	eP	P	21 47 38.4 +3.4
HHC	Hu-ho-hao-te	53.46 331	eP	P	21 47 38.4 +3.4
HHC	Hu-ho-hao-te	53.46 331	eP	P	21 47 38.4 +3.4
KLR	Kulur	54.34 351	iP	P	21 47 40.3 -0.7
KLR	Kulur	54.34 351	iP	P	21 47 42.0 -1.0
LZH	Lanzhou	54.46 321	iP	P	21 47 44.3 +1.9
LZH</					

Table with columns: AAK, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes entries like AAK Ala-Archa, KURK Kurchatov, KURKB Kurchatov Arra, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes entries like J40A Soldiers Grove, K40A Colesburg, F41A Three Lakes, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes entries like SCHQ Schefferville, X47A Russelville, N49A Columbus Grove, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KSH Kashi, KSH Kashi, KSH Kashi, etc.

ISC 07 21:41:29.1375.0, 4.75N-48.43W, h0km, Error ellipse: s-maj=249.7km s-min=181.4km az=129.0, North Atlantic Ocean

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like 109BR BRASILIA INFRA, 111CV MAIO ISLAND, etc.

JMA 07 21:43:13.7.0.2, 27.88N-127.23E, h148km, M3.7, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIH Iheya, JAGN Aguni, etc.

MEX 07 21:43:56.3.0.8, 14.71N-93.32W, h20km, 117km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PCIG 0.99, THIG 1.03, etc.

ISCJBJ 07 21:47:15.0.1.0, 10.9S:0.1:165.71E:0.1, h10km, mb3.9/5, MS4.6/1, Error ellipse: s-maj=19.3km s-min=11.9km az=28.7

ISC 07 21:47:14.9.1.3, 10.80S:165.73E, h0km, mb4.0/5, mb1 4.2/7, mb1mx3.9/44, mbtmp4.1/7, ML4.6/2, MS4.6/1, Ms1 4.6/1, ms1mx3.6/40, Error ellipse: s-maj=34.5km s-min=25.9km az=135.0

ISC 07 21:47:16.4.1.0, 10.8S:0.1:165.8E:0.1, h10km, n10, c092/10, mb4.0/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

ISC 07 21:53:28.7.1.0, 10.72S:165.52E, h0km, mb3.4/3, mb1 3.8/4, mb1mx3.5/45, mbtmp3.6/4, ML4.0/1, Error ellipse: s-maj=54.4km s-min=30.6km az=128.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISC 07 21:56:23.1.0.7, 10.90S:165.69E, h0km, mb4.3/15, mb1 4.4/17, mb1mx4.2/46, mbtmp4.3/17, ML4.6/2, Error ellipse: s-maj=21.6km s-min=16.6km az=120.0

NEIC 07 21:56:24.8.3.8, 10.91S:165.67E, h13km, mb2.3km, mb4.6/14, Error ellipse: s-maj=8.0km s-min=6.7km az=213.0

ISCJBJ 07 21:56:25.6.0.3, 11.01S:0.05:165.64E:0.06, h30km, mb4.4/31, Error ellipse: s-maj=7.8km s-min=6.6km az=173.2

ISC 07 21:56:27.3.0.5, 11.01S:0.06:165.70E:0.07, h30km, n58, c1540/65, mb4.4/31, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.

ISC 07 21:56:27.3.0.5, 11.01S:0.06:165.70E:0.07, h30km, n58, c1540/65, mb4.4/31, Santa Cruz Islands

ISC 07 21:56:27.3.0.5, 11.01S:0.06:165.70E:0.07, h30km, n58, c1540/65, mb4.4/31, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

ISC 07 21:56:27.3.0.5, 11.01S:0.06:165.70E:0.07, h30km, n58, c1540/65, mb4.4/31, Santa Cruz Islands

ISC 07 21:56:27.3.0.5, 11.01S:0.06:165.70E:0.07, h30km, n58, c1540/65, mb4.4/31, Santa Cruz Islands

ISC 07 21:56:27.3.0.5, 11.01S:0.06:165.70E:0.07, h30km, n58, c1540/65, mb4.4/31, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

ISC 07 22:00:37.4.7.6, 9.90N-92.69E, h0km, mb3.5/2, mb1 3.7/3, mb1mx3.2/51, mbtmp3.4/3, Error ellipse: s-maj=170.2km s-min=45.1km az=95.0, Nicobar Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISC 07 22:05:29.0.1.6, 11.42S:165.79E, h0km, mb3.6/4, mb1 3.9/5, mb1mx3.6/39, mbtmp3.7/5, ML3.6/1, Error ellipse: s-maj=52.3km s-min=29.9km az=124.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

ISC 07 22:10:31.4.1.3, 10.86S:165.66E, h0km, mb3.9/5, mb1 4.2/7, mb1mx3.8/43, mbtmp4.1/7, ML4.7/2, Error ellipse: s-maj=39.8km s-min=25.5km az=127.0

ISCJBJ 07 22:10:34.5.1.2, 11.05S:0.1:165.8E:0.2, h30km, mb3.8/5, Error ellipse: s-maj=23.0km s-min=16.8km az=155.9

ISC 07 22:10:36.0.1.2, 10.9S:0.1:165.7E:0.2, h30km, n14, c097/8, mb3.8/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, H11S2 WAKE ISLAND Hy, etc.

ISCJBJ 07 22:11:49.2.1.0, 10.99S:0.08:165.77E:0.1, h10km, mb3.8/5, Error ellipse: s-maj=15.3km s-min=8.9km az=144.9

ISC 07 22:11:49.4.1.3, 10.77S:165.79E, h0km, mb3.9/6, mb1 4.2/8, mb1mx3.9/42, mbtmp4.1/8, ML4.6/2, Error ellipse: s-maj=35.2km s-min=25.5km az=138.0

ISC 07 22:11:50.7.1.0, 10.88S:0.1:165.8E:0.1, h10km, n15, c132/10, mb4.0/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, HNR Honiara, DZM Mont Dzumac, etc.

NEIC 07 22:22:01.9.0.0, 14.14N:93.83W, h4km, MD4.2(MEX), After MEX.

MEX 07 22:22:01.9.0.0, 14.14N:93.83W, h4km, 53km, MD4.2, Error ellipse: s-maj=56.1km s-min=32.2km az=16.0

ISC 07 22:22:07.0.1.2, 14.44N:0.1:193.71W:0.07, h35km, n19, c1577/24, mb4.0/7, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PCIG 1.40, PCIG 1.40, THIG 1.50, etc.

ISC 07 22:22:49.5.3.9, 11.68S:165.35E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.6/36, mbtmp3.6/4, Error ellipse: s-maj=167.9km s-min=31.2km az=137.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

ILAR Eielson Array 84.24 19 P P 22 35 22.3 -0.4
MKAR Makanchi Array 93.72 317 P P 22 36 09.1 +0.8

IDC 07 22:23:05.1 7.1, 11.32S; 165.91E, h0km, mb3.8/6, mb1 4.0/8, mb1mx3.8/38, mbtmp3.9/8, ML4.5/2, Error ellipse: s-maj=40.3km s-min=25.6km az=116.0

ISCJB 07 22:23:06.3 1.0, 11.4S; 0.1x165.7E; 0.1, h10km, mb3.7/6, Error ellipse: s-maj=19.9km s-min=11.7km az=36.3

ISC 07 22:23:07.5 1.1, 11.32S; 0.1x165.8E; 0.1, h10km, n14, o1537/9, mb3.8/6, Santa Cruz Islands

Code Station Name Az AZ Phase ID Time Res
HNR Honiara 6.03 288 Pn P 22 25 45.0 -1.0
DZM Mont Dzumac 10.72 177 Pn Pn 22 25 40.1 -1.1
H11S2 WAKE ISLAND Hy 29.63 2 T T 22 29 32.6

IDC 07 22:28:03.0 1.7, 10.32S; 165.15E, h0km, mb3.8/4, mb1 4.0/5, mb1mx3.7/35, mbtmp3.9/5, ML4.1, Error ellipse: s-maj=50.9km s-min=29.5km az=123.0, Santa Cruz Islands

Code Station Name Az AZ Phase ID Time Res
DZM Mont Dzumac 11.75 174 Pn Pn 22 30 50.3 -1.8
H11S2 WAKE ISLAND Hy 28.67 3 T T 23 04 08.1
H11S3 WAKE ISLAND Hy 28.67 3 T T 23 04 06.9

ISCJB 07 22:31:54.3 0.5, 53.38N; 0.03x6.23E; 0.04, h0km, Error ellipse: s-maj=4.8km s-min=3.0km az=158.1

BNS 07 22:31:55.9 1.2, 53.54N; 6.62E, h2km, ML2.6 LDG 07 22:31:58.1 0.1, 53.44N; 6.60E, h3km, M3.0/17, Error ellipse: s-maj=20.0km s-min=2.1km az=187.0

BGR 07 22:31:59.4 0.5, 53.34N; 6.70E, h5km, ML2.7/5, Error ellipse: s-maj=8.9km s-min=4.4km az=117.0

ISC 07 22:31:57.0 0.8, 53.36N; 0.03x6.51E; 0.03, h0km, n54, o2526/89, The Netherlands

Code Station Name Az AZ Phase ID Time Res
ENM4 Enrum 0.05 340 ePp P 22 32 01.3 +3.4
ENM4 SPY4 Spijk (Roedesc) 0.17 73 eSg Sg 22 32 02.9 +0.4
WDB4 Woudbloem 4 0.20 138 eSg Sg 22 32 06.5 +3.1

HU HAU Hinteralfeld 1.6nm,0.3s 5.55 178 ePn Pn 22 33 20.2 -0.7
LOR LOR Lormes 6.33 197 ePn Pn 22 33 30.8 -0.7
LDF LDF La Druitiere 6.35 224 ePn Pn 22 33 30.6 -1.1

IDC 07 22:33:30.1 1.4, 10.96S; 165.66E, h0km, mb3.6/3, mb1 4.0/4, mb1mx3.7/34, mbtmp3.9/4, ML4.4/1, Error ellipse: s-maj=51.9km s-min=31.9km az=127.0, Santa Cruz Islands

Code Station Name Az AZ Phase ID Time Res
DZM Mont Dzumac 11.07 176 Pn Pn 22 36 09.8 -0.1
WRA Warramunga Arr 31.43 250 P P 22 39 53.4 0.0
WRA Alice Springs 32.76 243 P P 22 40 04.5 -0.5

IDC 07 22:36:12 8.1 1.6, 0.36N; 92.20E, h0km, mb3.7/5, mb1 3.9/8, mb1mx3.6/44, mbtmp3.7/8, ML4.1/3, Error ellipse: s-maj=1.8km s-min=25.2km az=40.0

ISCJB 07 22:36:15 1.1 1.4, 0.4N; 0.2x92.1E; 0.2, h33km, mb3.7/5, Error ellipse: s-maj=30.2km s-min=19.3km az=28.5

ISC 07 22:36:17 5.1 1.4, 0.4N; 0.2x92.2E; 0.1, h35km, n9, o1550/9, mb3.6/5, Off west coast of northern Sumatra

Code Station Name Az AZ Phase ID Time Res
PSI Prapat 7.10 70 Op Pn 22 37 57.4 -1.6
PALK Pallekele 13.36 301 Pn Pn 22 39 22.8 -2.0
PALK Chiang Mai Arr 19.10 20 Pn Pn 22 41 39.5 -1.3

IDC 07 22:47:55.2 0.5, 29.31N; 142.09E, h0km, mb4.3/27, mb1 4.4/29, mb1mx4.3/50, mbtmp4.3/29, ML3.5/3, MS3.9/6, Ms1 4.0/6, ms1mx3.5/42, Error ellipse: s-maj=16.0km s-min=11.7km az=89.0

ISCJB 07 22:47:56.9 1.6, 29.36N; 0.03x141.97E; 0.04, h20km, 1.1km, mb4.5/97, MS4.3/8, Error ellipse: s-maj=6.4km s-min=4.5km az=171.6

NEIC 07 22:47:58.5 1.3, 29.26N; 141.99E, h23km, 9km, mb4.6/42, Error ellipse: s-maj=4.0km s-min=3.4km az=111.0

MOS 07 22:47:58 1.1 1.0, 29.24N; 141.93E, h32km, mb4.8/51, Error ellipse: s-maj=10.6km s-min=5.7km az=116.3

ISC 07 22:47:57.3 2.3, 29.33N; 105.142E; 0.07, h13km, 14km, n206, o1513/216, mb4.5/102, MS4.2/9, 8C-2D, Southeast of Honshu

Code Station Name Az AZ Phase ID Time Res
CBIJ Chichi jima 2.23 176 Op Pn 22 48 37.7 -0.2
CJJC Chichijima 2.23 176 Pn Pn 22 48 37.7 -0.2
MCJ Matsuhiro Arr 7.87 337 Pn Pn 22 49 53.2 +1.8

SKR comp=Z,700nm,6.7s pmax pmax
SKR comp=Z,2um,5.2s MLR MLR
SKR comp=Z,2um,11.0s MLR MLR
WHN Wuhun 23.98 280 P P 22 53 11.9 +0.4

IDC 07 22:50:03.0 1.7, 10.32S; 165.15E, h0km, mb3.8/4, mb1 4.0/5, mb1mx3.7/35, mbtmp3.9/5, ML4.1, Error ellipse: s-maj=50.9km s-min=29.5km az=123.0, Santa Cruz Islands

Code Station Name Az AZ Phase ID Time Res
DZM Mont Dzumac 11.07 176 Pn Pn 22 36 09.8 -0.1
WRA Warramunga Arr 31.43 250 P P 22 39 53.4 0.0
WRA Alice Springs 32.76 243 P P 22 40 04.5 -0.5

IDC 07 22:36:12 8.1 1.6, 0.36N; 92.20E, h0km, mb3.7/5, mb1 3.9/8, mb1mx3.6/44, mbtmp3.7/8, ML4.1/3, Error ellipse: s-maj=1.8km s-min=25.2km az=40.0

ISCJB 07 22:36:15 1.1 1.4, 0.4N; 0.2x92.1E; 0.2, h33km, mb3.7/5, Error ellipse: s-maj=30.2km s-min=19.3km az=28.5

ISC 07 22:36:17 5.1 1.4, 0.4N; 0.2x92.2E; 0.1, h35km, n9, o1550/9, mb3.6/5, Off west coast of northern Sumatra

Code Station Name Az AZ Phase ID Time Res
PSI Prapat 7.10 70 Op Pn 22 37 57.4 -1.6
PALK Pallekele 13.36 301 Pn Pn 22 39 22.8 -2.0
PALK Chiang Mai Arr 19.10 20 Pn Pn 22 41 39.5 -1.3

IDC 07 22:47:55.2 0.5, 29.31N; 142.09E, h0km, mb4.3/27, mb1 4.4/29, mb1mx4.3/50, mbtmp4.3/29, ML3.5/3, MS3.9/6, Ms1 4.0/6, ms1mx3.5/42, Error ellipse: s-maj=16.0km s-min=11.7km az=89.0

ISCJB 07 22:47:56.9 1.6, 29.36N; 0.03x141.97E; 0.04, h20km, 1.1km, mb4.5/97, MS4.3/8, Error ellipse: s-maj=6.4km s-min=4.5km az=171.6

NEIC 07 22:47:58.5 1.3, 29.26N; 141.99E, h23km, 9km, mb4.6/42, Error ellipse: s-maj=4.0km s-min=3.4km az=111.0

MOS 07 22:47:58 1.1 1.0, 29.24N; 141.93E, h32km, mb4.8/51, Error ellipse: s-maj=10.6km s-min=5.7km az=116.3

ISC 07 22:47:57.3 2.3, 29.33N; 105.142E; 0.07, h13km, 14km, n206, o1513/216, mb4.5/102, MS4.2/9, 8C-2D, Southeast of Honshu

Code Station Name Az AZ Phase ID Time Res
CBIJ Chichi jima 2.23 176 Op Pn 22 48 37.7 -0.2
CJJC Chichijima 2.23 176 Pn Pn 22 48 37.7 -0.2
MCJ Matsuhiro Arr 7.87 337 Pn Pn 22 49 53.2 +1.8

IDC 07 22:50:03.0 1.7, 10.32S; 165.15E, h0km, mb3.8/4, mb1 4.0/5, mb1mx3.7/35, mbtmp3.9/5, ML4.1, Error ellipse: s-maj=50.9km s-min=29.5km az=123.0, Santa Cruz Islands

Code Station Name Az AZ Phase ID Time Res
DZM Mont Dzumac 11.75 174 Pn Pn 22 30 50.3 -1.8
H11S2 WAKE ISLAND Hy 28.67 3 T T 23 04 08.1
H11S3 WAKE ISLAND Hy 28.67 3 T T 23 04 06.9

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, RAMN Ramite, JIRN Jiri, NVS Novosibirsk, GUN Gumba, MK01 Makanchi Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like OBN comp=2.3,0nm,0.7s, OBN comp=2.2,2nm,0.8s, NEW Newport, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CTA Charters Tower, WRA Warramunga Arr, WRA Warramunga Arr, etc.

ISCJB 07 23:03:16.5:0.8,3.8S:0.1:150.7E:0.3,h450km,mb3.5/10,

ISCJB 07 23:19:04.5:0.2,53.46N:0.01x:6.45E:0.03,h0km,mb3.4/1,





Table with columns: FITZ, FITZY Crossi, 39.52 255 P, P, 23 57 22.8 -0.7, etc.

IDC 07 23:54:49.5:3.1, 11.004S:165.55E, h0km, mb3.5/3, mb1 3.8/4, mb1mx3.5/45, mbmtmp3.7/4, ML3.8/1, Error ellipse: s-maj=69.0km s-min=42.1km az=89.0, Santa Cruz Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

IDC 07 23:59:40.7:4.2, 11.005S:166.90E, h0km, mb3.9/7, mb1 4.0/7, mb1mx3.8/46, mbmtmp3.7/7, MS3.8/3, Ms1 3.8/3, ms1mx3.2/3.9, Error ellipse: s-maj=146.0km s-min=29.0km az=134.0

ISCJBJ 07 23:59:43.0:3.1, 11.2S:0.5:166.9E:0.6, h28km, mb3.9/7, MS3.9/1, Error ellipse: s-maj=109.6km s-min=22.4km az=43.7

ISC 07 23:59:44.9:3.5, 11.1S:0.6:166.9E:0.6, h28km, n15, a0537/7, mb4.0/7, Santa Cruz Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

IDC 07 23:59:44.9:3.5, 11.1S:0.6:166.9E:0.6, h28km, n15, a0537/7, mb4.0/7, Santa Cruz Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

IDC 08 00:00:24.0:1.8, 8.67S:118.41E, h0km, mb3.0/2, mb1 3.5/5, mb1mx3.3/42, mbmtmp3.3/5, ML3.3/3, Error ellipse: s-maj=75.7km s-min=21.6km az=44.0

ISCJBJ 08 00:00:33.4:0.9, 9.4S:0.1:118.36E:0.06, h100km, mb3.2/1, Error ellipse: s-maj=15.9km s-min=7.4km az=13.7

DJA 08 00:00:36.0:7.4, 9.5S:12.1x11.8E:1.1, h77km, 7km, M3.5/7, MLV3.5/7

ISC 08 00:00:33.7:1.0, 9.4S:0.1:118.32E:0.07, h100km, n9, a2510/12, Sumbawa region

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

IDC 08 00:01:16.3:0.7, 7.11N:76.73W, h0km, mb4.0/19, mb1 4.1/25, mb1mx4.0/44, mbmtmp4.0/25, ML3.5/6, MS3.5/11, Ms1 3.5/11, ms1mx3.3/41, Error ellipse: s-maj=18.1km s-min=12.3km az=45.0

RSNC 08 00:01:19.8:0.9, 7.02N:76.65W, h6km, 6km, ML4.1, M4.5/1, NEIC 08 00:01:20.9:1.9, 7.10N:76.74W, h32km, 14km, mb4.6/15, Error ellipse: s-maj=8.5km s-min=5.6km az=65.0

UCR 08 00:01:21.4:3.3, 7.12N:76.85W, h20km, 30km, MD4.3, mb4.6/15

ISC 08 00:01:17.0:1.4, 7.06N:0.03:76.74W:0.03, h6km, 9km, n99, a1547/117, mb4.2/27, MS3.5/6, 4C-3D, Northern Colombia

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

Table with columns: SMLC, San Martin de, 3.15 57 eP, Sb, 00 02 12.0 -1.5, etc.

comp=Z,216nm,0.4s

Table with columns: SMLC, comp=E,507nm,0.5s, i, 00 03 06.9, etc.

Table with columns: SJCC, San Jacinto, C, 3.21 29 eP, Pb, 00 02 11.9 -2.6, etc.

Table with columns: ROSC, El Rosal, 3.26 132 eP, Pb, 00 02 12.1 +3.0, etc.

Table with columns: ROSC, El Rosal, 3.26 132 eP, Pb, 00 02 12.8 -2.9, etc.

Table with columns: ROSC, comp=Z,918nm,0.3s, 3.26 132 Pn, Pb, 00 02 11.4 +2.3, etc.

Table with columns: ROSC, comp=Z,28nm,0.3s, baz=360,slow=17,SNR=33, LG, 00 02 53.6, etc.

Table with columns: ROSC, comp=Z,30nm,0.3s, baz=286,slow=19,SNR=7.2, LG, 00 03 02.5, etc.

Table with columns: ROSC, comp=Z,171nm,21.4s, baz=279,slow=32, LG, 00 02 10.7 +1.1, etc.

Table with columns: FLAM, Flamenco Island, 3.33 304 eP, Ss, 00 02 48.3 -1.2, etc.

Table with columns: BARC, Barichara, 3.56 97 i, Sg, 00 03 12.3 +0.8, etc.

Table with columns: OCAC, Ocana, 3.58 71 eP, Pb, 00 02 17.6 -3.3, etc.

Table with columns: AZU, Azuero, 3.58 282/1 eP, Pb, 00 02 14.6 +1.5, etc.

Table with columns: AZU, Zanguenga, Cho, 3.63 301 eP, Ss, 00 02 54.9 -0.9, etc.

Table with columns: ZANG, El Hiral, 3.66 306/1 i, Ss, 00 02 56.2 +0.6, etc.

Table with columns: FRJ, Isla Barro Col, 3.71 304 i, Pn, 00 02 16.0 +1.0, etc.

Table with columns: BCIP, Isla Barro Col, 3.71 304 i, Pn, 00 02 15.7 +0.8, etc.

Table with columns: BCIP, La Rusia, 3.81 108 eP, Ss, 00 02 59.6 +0.6, etc.

Table with columns: RUSC, Penonome, 3.83 292 eP, Ss, 00 02 17.6 +1.1, etc.

Table with columns: PNME, Chingaza, 3.84 129 eP, Pn, 00 02 21.0 +3.9, etc.

Table with columns: CHIC, Pina, 3.95 304 eP, Pn, 00 02 19.6 +1.5, etc.

Table with columns: PAMC, Pamplona, Colo, 4.01 86 eP, Pn, 00 02 21.6 +2.1, etc.

Table with columns: MARP, Paez Belalcaza, 4.26 169 eP, Ss, 00 02 24.6 +1.8, etc.

Table with columns: MARP, CODC, Agustín Codazzi, 4.33 49 eP, Pn, 00 02 26.6 +3.4, etc.

Table with columns: INK, Inuvik, 71.61 341 eP, P, 00 12 36.8 -2.1, etc.

Table with columns: INK, comp=Z,1.6nm,1.0s, 71.61 341 P, P, 00 12 38.2 -0.6, etc.

Table with columns: ESDC, Songino Array, 72.27 51 P, P, 00 12 44.6 +1.0, etc.

Table with columns: ILAR, Eielson Array, 72.54 335 P, P, 00 13 00.3 -0.1, etc.

Table with columns: ILB, Eielson Array, 72.54 335 eP, P, 00 13 00.3 -0.1, etc.

Table with columns: TOAT, Torodri Ar. Bea, 77.20 78 eP, P, 00 13 12.9 +0.4, etc.

Table with columns: TOR, Torodri Ar. Bea, 77.20 78 P, P, 00 13 12.9 +0.4, etc.

Table with columns: NB20, NORARS Array S, 82.88 29 eP, P, 00 13 42.9 +0.5, etc.

Table with columns: NOA, NORARS Array B, 82.88 29 P, P, 00 13 42.9 +0.5, etc.

Table with columns: GER, GERESS Array B, 85.03 42 P, P, 00 13 53.9 +0.2, etc.

Table with columns: RAR, Rarotonga, 86.08 248 LR, LG, 00 04 26.3, etc.

Table with columns: ARAO, ARCES Array S, 87.69 20 eP, P, 00 14 05.5 -0.8, etc.

Table with columns: ARCS, ARCES Array B, 87.69 20 P, P, 00 14 05.5 -0.8, etc.

Table with columns: AS31, Alice Springs, 146.28 237 eP, Pb, PKP, 00 20 57.5 -0.9, etc.

Table with columns: ASAR, Alice Springs, 146.28 237 PKP, Pb, PKP, 00 20 57.5 -0.9, etc.

IDC 08 00:01:47.3:2.1, 11.60S:165.06E, h0km, mb3.7/6, mb1 4.0/6, mb1mx3.7/45, mbmtmp3.7/6, Error ellipse: s-maj=81.9km s-min=29.2km az=143.0

ISCJBJ 08 00:01:51.0:1.7, 11.7S:0.4:165.0E:0.3, h34km, mb3.7/6, Error ellipse: s-maj=73.4km s-min=23.4km az=143.4

ISC 08 00:02:05.1:1.7, 11.8S:0.4:165.1E:0.3, h34km, n6, a0560/6, mb3.7/6, Santa Cruz Islands

ISC 08 00:02:07.0:1.9, 11.7S:0.4:165.2E:0.3, h34km, n6, a0511/6, mb3.9/6, Santa Cruz Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

IDC 08 00:02:01.7:2.1, 11.69S:165.19E, h0km, mb3.9/6, mb1 4.2/6, mb1mx3.8/46, mbmtmp3.9/6, Error ellipse: s-maj=82.3km s-min=27.9km az=143.0

ISCJBJ 08 00:02:05.1:1.7, 11.8S:0.4:165.1E:0.3, h34km, mb3.9/6, Error ellipse: s-maj=73.5km s-min=23.4km az=143.5

ISC 08 00:02:07.0:1.9, 11.7S:0.4:165.2E:0.3, h34km, n6, a0511/6, mb3.9/6, Santa Cruz Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC

IDC 08 00:02:57.1:1.1, 10.86S:165.11E, h0km, mb3.9/10, mb1 4.1/12, mb1mx3.9/47, mbmtmp4.0/12, ML4.2/2, Error ellipse: s-maj=28.0km s-min=19.9km az=123.0

ISCJBJ 08 00:03:00.1:0.8, 10.88S:0.07:165.09E:0.09, h31km, mb3.8/9, Error ellipse: s-maj=13.5km s-min=8.0km az=145.5

ISC 08 00:03:01.9:0.9, 10.81S:0.09:165.1E:0.1, h31km, n12, a1935/14, mb3.8/9, Santa Cruz Islands

Table with columns: Code, Station Name, Delta A, Delta Z, Phase ID, Op, ISC, Time, Res, h, m, s, ISC













Table with columns: LSD, PCP, LPL, ORIF, MRGE, LMR, LMR, MMK, VIVF, CABF, CABF, PGF, LASF, LASF, SMF, SMF, SMF, HINF, HINF, HAU, HAU, AVF, AVF, LOR, LOR, SSF, SSF, BGF, BGF, CAF, CAF, MTF, MTF, CDF, CDF, SFTF, SFTF, BAIF, BAIF. Includes station names, times, and various codes.

IDC 08 01:22:34.9.1.6, 10.825x165.83E, h0km, mb3.5/4, mb1 3.8/5, mb1mx3.6/29, mbtmp3.7/5, ML3.4/1, MS3.2/1, Ms1 3.2/1, ms1mx2.7/22, Error ellipse: s-maj=52.1km s-min=29.4km az=123.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM, WRA, ASAR, JCJ, CMAR, SONM, ILAR, MKAR, YKA.

IDC 08 01:24:55.5.2.6, 20.05N; 100.59W, h0km, mb3.4/4, mb1 3.7/6, mb1mx3.5/36, mbtmp3.3/6, ML3.0/2, Error ellipse: s-maj=82.9km s-min=27.2km az=53.0

ISCJB 08 01:24:56.3.0.8, 20.06N; 0.03; 100.51W; 0.05, h15km, 8km, mb3.3/4, Error ellipse: s-maj=7.7km s-min=4.4km az=155.3

MEX 08 01:24:58.0.2.2, 20.12N; 100.48W, h6km, 29km, MD3.8, ISC 08 01:24:56.4.1.3, 20.07N; 0.04; 100.46W; 0.04, h11km, 9km, n26, r135/36, mb3.5/4, Central Mexico

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JRQG, JRCG, ATVM, ATVM, IGIG, TOVM, AZVM, AZVM, PVM, DEIG, DEIG, UNM, UNM, VTYM, ARVM, ARVM, PPM, PPM, MEIG, MEIG, ZLIG, ZLIG, CAIG, CAIG, ZAIG, ZAIG, TPIG, TPIG, LVIG, LVIG, VHO, VHO.

Table with columns: VHO, LNIG, CMIG, CMIG, TXAR, TXAR, PDAR, NVAR, YKA, INK. Includes station names, times, and various codes.

IDC 08 01:30:22.5.1.3, 11.34S; 164.94E, h0km, mb4.1/7, mb1 4.4/7, mb1mx4.0/30, mbtmp4.1/7, MS3.5/2, Ms1 3.5/2, ms1mx2.9/30, Error ellipse: s-maj=60.0km s-min=23.0km az=136.0

ISCJB 08 01:30:25.9.1.2, 11.55S; 0.3; 164.9E; 0.3, h34km, mb4.1/7, MS3.4/2, Error ellipse: s-maj=51.6km s-min=19.1km az=44.9

ISC 08 01:30:27.6.1.3, 11.45S; 0.3; 165.0E; 0.3, h34km, n10, r1508/9, mb4.0/7, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like STKA, H1S2, H1S3, WRA, WRA, ASAR, ASAR, SONM, ILAR, NVAR, MKAR.

IDC 08 01:33:52.8.1.7, 11.37S; 164.94E, h0km, mb3.7/3, mb1 3.9/4, mb1mx3.6/32, mbtmp3.7/4, ML3.4/1, Error ellipse: s-maj=51.9km s-min=33.5km az=128.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM, WRA, ASAR, ILAR.

IDC 08 01:36:33.1.1.4, 11.34S; 165.68E, h0km, mb3.9/7, mb1 4.2/6, mb1mx3.9/33, mbtmp3.9/8, ML4.3/1, MS4.5/1, Ms1 4.5/1, ms1mx2.9/30, Error ellipse: s-maj=42.9km s-min=25.2km az=128.0

ISCJB 08 01:36:35.0.0.9, 11.55S; 0.1; 165.7E; 0.2, h24km, mb3.8/7, MS4.5/1, Error ellipse: s-maj=27.2km s-min=17.4km az=5.2

ISC 08 01:36:36.8.1.0, 11.45S; 0.1; 165.7E; 0.2, h24km, n9, r185/8, mb3.9/7, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM, WRA, ASAR, JCJ, CMAR, SONM, ILAR, MKAR, YKA.

IDC 08 01:39:36.2.1.7, 10.86S; 165.52E, h0km, mb3.7/4, mb1 4.1/5, mb1mx3.7/34, mbtmp3.9/5, ML4.6/1, MS3.0/1, Ms1 3.0/1, ms1mx2.6/27, Error ellipse: s-maj=52.6km s-min=29.4km az=124.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM, WRA, ASAR, ILAR, MKAR, YKA, STKA, H1S2, H1S3, H1S1, H1N1, H1N3, WRA, ASAR, ILAR.

IDC 08 01:45:00.9.1.6, 11.02S; 165.52E, h0km, mb3.9/5, mb1 4.2/6, mb1mx3.9/30, mbtmp4.0/6, ML4.1/1, Error ellipse: s-maj=50.1km s-min=27.2km az=127.0

ISCJB 08 01:45:03.8.1.2, 11.2S; 0.1; 165.5E; 0.2, h30km, mb3.9/4, Error ellipse: s-maj=26.8km s-min=19.6km az=4.3

ISC 08 01:45:05.6.1.3, 11.1S; 0.2; 165.5E; 0.2, h30km, n12, r158/6, mb3.9/4, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM, CTA, H1S2, H1S3, H1S1.

Table with columns: H1N1, H1N3, H1N2, WRA, ASAR, ILAR, MKAR. Includes station names, times, and various codes.

IDC 08 01:46:49.0.2.9, 35.96N; 141.48E, h0km, mb3.6/2, mb1 3.7/3, mb1mx3.3/37, mbtmp3.5/3, ML2.4/1, MS3.1/1, Ms1 3.3/1, ms1mx2.5/42, Error ellipse: s-maj=75.0km s-min=28.0km az=46.0

ISCJB 08 01:46:54.9.1.3, 35.86N; 0.07; 141.1E; 0.1, h45km, 8km, mb3.6/2, MS3.0/1, Error ellipse: s-maj=19.7km s-min=9.9km az=157.7

JMA 08 01:46:56.3.0.2, 35.85N; 140.96E, h39km, 2km, M3.0, ISC 08 01:46:54.6.2.1, 35.87N; 0.05; 141.1E; 0.1, h29km, 12km, n13, r0611/7, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CHJO, CHJO, JIHU, JIHU, JIMU, JIMU, JHYU, JHYU, JYU, JYU, JHO, JHO, BS03, BS03, JAG, JAG, MJAR, MJAR, MJAR, MJAR, CMAR, CMAR, MKAR, MKAR, WRA, WRA.

IDC 08 01:53:27.2.1.8, 11.14S; 164.81E, h0km, mb3.6/3, mb1 4.0/4, mb1mx3.6/30, mbtmp3.8/4, ML3.8/1, Error ellipse: s-maj=51.1km s-min=33.5km az=128.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM, H1S2, H1S3, WRA, H1N1, H1N3, H1N2, ASAR, ILAR.

IDC 08 02:00:10.4.0.9, 10.74S; 165.35E, h0km, mb4.1/10, mb1 4.4/12, mb1mx4.1/38, mbtmp4.2/12, ML5.2/2, MS3.8/7, Ms1 3.8/7, ms1mx3.4/33, Error ellipse: s-maj=33.8km s-min=18.2km az=137.0

ISCJB 08 02:00:13.7.0.3, 10.78S; 0.05; 165.41E; 0.05, h31km, mb4.3/26, MS3.8/6, Error ellipse: s-maj=6.9km s-min=6.6km az=146.1

NEIC 08 02:00:14.1.1.8, 10.74S; 165.33E, h21km, 13km, mb4.4/14, Error ellipse: s-maj=7.5km s-min=5.3km az=140.0

ISC 08 02:00:15.7.0.5, 10.82S; 0.07; 165.44E; 0.06, h31km, n66, r1515/53, mb4.3/26, MS3.8/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR, HNR, HNR, HNR, HNR, DZM, DZM, DZM, DZM.

ONTNC Ouen Toro 11.47 175 ePn P 02 05 57.8 +0.5

PINNC Pines Island, 11.88 171 ePn P 02 03 03.3 +0.2

FUNJA Funafuti, 13.75 82 ePn P 02 03 28.9 +0.3

WATOK Watok, 14.20 81 ePn P 02 03 34.5 +0.5

EIDS Eidsvold, 19.86 221 ePn P 02 04 46.0 -0.1

MANU Manus Island, 19.95 295 ePn P 02 04 48.1 +0.8

CTA Charters Tower, 20.64 241 ePn P 02 04 52.5 -0.5

CTAO Charters Tower, 20.64 241 ePn P 02 04 52.1 -0.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H1S2, H1S3, H1S1, URZ, BKZ, H1N1, H1N3, H1N2, STKA, STKA, WRA, WRA, THZ, THZ, GUMO, AS01, AS31.



IDC 08 02:43:04.9-4.4, 10.32S-163.97E, h0km, mb3.8/3, mb1 4.1/3, mb1mx3.6/39, mbtmp3.8/3, Error ellipse: s-maj=237.1km s-min=32.0km az=138.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, ILAR Eilsion Array.

GUC 08 02:43:25.8-0.4, 33.70S-72.10W, h40km, 3km, ML3.7, SJA 08 02:43:26.4-0.5, 33.60S-72.15W, h170km, 6km, ML3.8, MW4.3

ISC 08 02:43:29.0-2.5, 33.73S-0.07-72.0W-0.1, h7km, 15km, n17, -0562/16, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include CHPI Pichilemu, ROCI El Roble, PEL Pelehué, CLCH Cerro Calan, FCH Farellones, LMEL Las Melosas, AUSP Uspallata, ARCO Cerro Arco, AAGR Agrelo, AVIZ Salagachas, RTLS Leoncito, RTVC Cerro Muldivia, AMOG Mogna.

IDC 08 02:47:02.6-0.9, 37.78N-113.11W, h0km, mb3.6/2, mb1 3.8/8, mb1mx3.6/46, mbtmp3.5/8, ML3.4/5, MS2.9/4, Ms1 2.9/4, ms1mx2.6/46, Error ellipse: s-maj=10.3km s-min=9.7km az=114.0

NEIC 08 02:47:02.6-0.0, 37.80N-113.14W, h6km, MW3.7, ML3.7(SLC), Moment Tensor Solution, s-d2 Moment tensor: Scale 10^14Nm; Min-5.02, Mxx0.85, Myy4.16; Mzz0.68; Mxz2.12; Mxy0.41; Best double couple: Ms5.20000x10^14 Np1.7x211.00000, 849.00000, -1.83.00000, NP2.2x21.00000, 842.00000, -1.98.00000. Principal axes: T 5.2400, Plg4.0000, Azm296.0000; N -0.1500, Plg5.0000, Azm27.0000; P -5.1000, Plg4.0000, Azm170.0000; After SLC.

NEIC Felt [III] at Cedar City. Also felt at Saint George.

USSS 08 02:47:02.0, 37.77N-113.13W, h0km

SLC 08 02:47:02.6, 37.80N-113.14W, h13km, ML3.7, MW3.7(USC)

ANF 08 02:47:03.2-2.3, 37.80N-113.06W, h13km, 20km, ML4.0/8, Error ellipse: s-maj=4.3km s-min=3.6km az=50.0

ISC 08 02:47:02.4-0.6, 37.79N-0.02-113.12W-0.02, h10km, n145, -02811/287, Utah

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include CCUT Cedar City, MTKU Mount Pierson, LTPM Little Creek M, KNB Kanab, PSUT Pine Spring, TCRU Three Creeks R, MSU Marysville, U15A North Rim, R11A Troy Canyon, C, R11A Troy Canyon, SHPR Sheep Range, TMUT Trail Mountain, NLU North Lily Min, DUG Dugway, TCRU Troy Canyon, WUAZ Wupatki, W13A Hualapai Mount, P18A Preston Nutter, CTA Camp Tracy, JLU Jordanelle, BGU Big Grassy M, PV05 Paradox Valley, PV09 Paradox Valley, TUQ Turquoise Moun, PV10 Paradox Valley, PV14 Lion Creek, Pa, PV14 Morning Glory, PV19

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include PV19 Carpenter Ridg, PV23 East Wray Mesa, PV20 West Nyswonger, PV21 Cone Mtn., Par, PV16 Nyswonger Mesa, PV16 Paradox Valley, PV04 Elko, PV11 Elko, PV03 Paradox Valley, PV03 Radium Mtn., P, PV13 Saucer Basin, PV12 Grapevine Rang, PV02 Paradox Valley, SPUT South Promonto, PV03 Toone Canyon, PV07 Paradox Valley, PV07 Paradox Valley, PV01 Lo Mia Camp, P, PV15 Paradox Valley, MVCO Mesa Verde, MVCO Mesa Verde, W18A Petrified Fore, W18A Wickenburg, GSC Goldstone, Bar, GSC Manual Prospec, HVU Hansel Valley, HVU Mina Array Sit, NV11 Kaiserville, KVN Snowflake, NV01 Mina Array Sit, NVAR Mina Array Bay, NVAR Blythe, Y12C Ryan, O2MA White River Ci, O2MO Old Mammoth Ci, MDPB Devils Postpil, ISA Isabella, Lake, GLA Glamis, YER Yerington, XPFO Pion Flat, PFO Pinyon Flats O, PFO Pinyon Flats O, PFO 4UR Ranch, Cre, SMCO Snowmass, SMCO WAKR Walker, WAKR Mohawk Valley, AHID Auburn Hatcher, PNTR Pine Nut, PAHR Pah Rah Range, VCNR Virginia City, VCNR Mount Wilson, PASC Pasadena Art C, BW06 Boulder Array, BW06 Pinedale Array, PDAR Pinedale Array

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include PDAR Pinedale Array, CMB Columbia Cole, TUC Tucson, REDW Red Top Meadow, HAILEY Hailey, LAZ Ladron, TPW Teton Pass, SNOW Snow King Moun, MFID Camas Ranch, RWWY Rawlins, BEKR Beckworth, SDCO Great Sand Dun, FXWY Fox Creek, ANMO Albuquerque, ANMO Albuquerque, ANMO Albuquerque, LOHW Long Hollow, LENM Lemitar, ISCO Idaho Springs, MOOW Moose Ponds, AFDM Forest Hills D, LPM Los Pinos Moun, IMW Indian Meadow, N23A Red Feather La, N23A Divide, BNM Barren Site, BNM Flagg Ranch, VPP Pitchstone Pla, H17A Grant Village, MOD Modoc Plateau, MOD Circle Bar Ran, T25A Trinidad, K22A Casper, MCMT McKenzie Canyo, MCMT Madison River, YHB Horse Butte, 319A Douglas, 319A Norriston Junction, DMT Ditch Mountain, BNR Blue Mountains, RLMT Red Lodge, BOZ Bozeman (W), HOPS Hoopland Field, I07A Izeze Ranch, F10A Beach Ranch, E, RSSD Black Hills, LAO LASA Array, EGMT Eagleton, TXAR Lajitas Array, TXAR Dagmar, ULM Lac du Bonnet, YKA Yellowstone Ar, CMIG Matias Romero, HDA Harding Lake, ILAR Eilsion Array

IDC 08 02:49:33.6-4.0, 11.38S-165.09E, h0km, mb3.7/4, mb1 3.9/4, mb1mx3.6/37, mbtmp3.6/4, Error ellipse: s-maj=169.6km s-min=32.7km az=138.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, ILAR Eilsion Array, MKAR McKean Array

IDC 08 02:51:50.5-1.4, 10.77S-164.27E, h0km, mb4.0/6, mb1 4.2/7, mb1mx3.9/37, mbtmp4.1/7, ML4.1/1, MS3.4/7, Ms1 3.4/7, ms1mx3.1/33, Error ellipse: s-maj=46.6km s-min=24.6km az=118.0

ISCJB 08 02:51:52.8; 1.0, 11.0S; 0.1x164.4E; 0.2, h29km, mb3.9/6, MS3.4/0, Error ellipse: s-maj=24.0km s-min=16.7km

ISC 08 02:51:54.6; 1.2, 10.9S; 0.1x164.4E; 0.2, h29km, n15, -153/8, mb4.0/6, MS3.3/6, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include HNR Honiara, DZM Don Dzumac, CTA Charters Tower, STKA Stephens Creek, WRA Warramunga Arr, WRA Warramunga Arr, H11N1 WAKE ISLAND Hy, H11N2 WAKE ISLAND Hy, GUMO Guam, ASAR Alice Springs, ASAR Alice Springs



Table with columns: SLBB, Yuanshan, 2.60 358 eP, Pn, 03 40 02.0 +1.4, etc.

IDC 08 03:43:50.4-0.0,11395x167.14E,h0km,mb3.7/4, mb1 3.9/4,mb1mx3.6/35,mbtmp3.6/4,MS3.1/3,Ms1 3.1/3, ms1mx2.8/30, Error ellipse: s-maj=165.9km s-min=31.8km azz=137.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 08 03:46:36.2-1.8,11005x165.21E,h0km,mb3.5/3, mb1 3.9/4,mb1mx3.6/36,mbtmp3.7/4,ML4.1/1,MS3.6/3, Ms1 3.6/3,ms1mx3.1/16, Error ellipse: s-maj=52.3km s-min=33.5km azz=126.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 08 03:54:39.6-0.7,30.44N-69.54E,h0km,mb4.2/21, mb1 4.3/23,mb1mx4.1/52,mbtmp4.2/23,ML3.8/2,MS3.2/12, Ms1 3.2/12,ms1mx3.1/42, Error ellipse: s-maj=17.6km s-min=13.9km azz=37.0

ISC/JB 08 03:54:42.8-0.3,30.50N-69.65E,0.03,h33km, mb4.3/49,MS3.3/12, Error ellipse: s-maj=4.5km s-min=4.0km azz=7.1

NEIC 08 03:54:43.6-1.8,30.49N-69.52E,h24km,12km,mb4.5/15, Error ellipse: s-maj=7.3km s-min=5.0km azz=164.0

MOS 08 03:54:43.3-1.1,30.56N-69.57E,h31km,mb4.6/17, Error ellipse: s-maj=8.3km s-min=5.0km azz=96.0

NNC 08 03:54:44.8-3.5,31.00N-68.80E,h0km,mb4.4, Error ellipse: s-maj=55.9km s-min=27.0km azz=109.0

BUII 08 03:54:44.4,30.57N-70.07E,h10km,mb4.3/33,mb4.8/20, Ms3.9/4,Ms7 3.6/5

ISC 08 03:54:44.8-0.4,30.48N-69.53E,0.05,h35km,n157, a=150/158,mb4.3/49,MS3.2/12,22C-12D, Pakistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: AAK, Ala-Archa, 12.77 17 Pn, Pn, 03 57 43.4 -0.6, etc.

IDC 08 03:43:50.4-0.0,11395x167.14E,h0km,mb3.7/4, mb1 3.9/4,mb1mx3.6/35,mbtmp3.6/4,MS3.1/3,Ms1 3.1/3, ms1mx2.8/30, Error ellipse: s-maj=165.9km s-min=31.8km azz=137.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 08 03:46:36.2-1.8,11005x165.21E,h0km,mb3.5/3, mb1 3.9/4,mb1mx3.6/36,mbtmp3.7/4,ML4.1/1,MS3.6/3, Ms1 3.6/3,ms1mx3.1/16, Error ellipse: s-maj=52.3km s-min=33.5km azz=126.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 08 03:54:39.6-0.7,30.44N-69.54E,h0km,mb4.2/21, mb1 4.3/23,mb1mx4.1/52,mbtmp4.2/23,ML3.8/2,MS3.2/12, Ms1 3.2/12,ms1mx3.1/42, Error ellipse: s-maj=17.6km s-min=13.9km azz=37.0

ISC/JB 08 03:54:42.8-0.3,30.50N-69.65E,0.03,h33km, mb4.3/49,MS3.3/12, Error ellipse: s-maj=4.5km s-min=4.0km azz=7.1

NEIC 08 03:54:43.6-1.8,30.49N-69.52E,h24km,12km,mb4.5/15, Error ellipse: s-maj=7.3km s-min=5.0km azz=164.0

MOS 08 03:54:43.3-1.1,30.56N-69.57E,h31km,mb4.6/17, Error ellipse: s-maj=8.3km s-min=5.0km azz=96.0

NNC 08 03:54:44.8-3.5,31.00N-68.80E,h0km,mb4.4, Error ellipse: s-maj=55.9km s-min=27.0km azz=109.0

BUII 08 03:54:44.4,30.57N-70.07E,h10km,mb4.3/33,mb4.8/20, Ms3.9/4,Ms7 3.6/5

ISC 08 03:54:44.8-0.4,30.48N-69.53E,0.05,h35km,n157, a=150/158,mb4.3/49,MS3.2/12,22C-12D, Pakistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Table with columns: NONG, Nongkai, 32.91 104 P, P, 04 01 27.5 +1.2, etc.

IDC 08 03:56:04.1-4.3,61.98S-35.46W,h0km,mb3.7/1, mb1 3.7/1,mb1mx3.5/21,mbtmp3.7/1, Error ellipse: s-maj=262.5km s-min=69.0km azz=154.0, Scotia Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 08 03:56:04.1-4.3,61.98S-35.46W,h0km,mb3.7/1, mb1 3.7/1,mb1mx3.5/21,mbtmp3.7/1, Error ellipse: s-maj=262.5km s-min=69.0km azz=154.0, Scotia Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 08 04:03:56.4-1.9,101.45S-164.86E,h0km,mb3.4/3, mb1 3.8/4,mb1mx3.5/38,mbtmp3.6/4,ML3.5/1, Error ellipse: s-maj=55.5km s-min=35.8km azz=125.0, Santa Cruz Islands region

IDC 08 04:03:56.4-1.9,101.45S-164.86E,h0km,mb3.4/3, mb1 3.8/4,mb1mx3.5/38,mbtmp3.6/4,ML3.5/1, Error ellipse: s-maj=55.5km s-min=35.8km azz=125.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 08 04:03:56.4-1.9,101.45S-164.86E,h0km,mb3.4/3, mb1 3.8/4,mb1mx3.5/38,mbtmp3.6/4,ML3.5/1, Error ellipse: s-maj=55.5km s-min=35.8km azz=125.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 08 04:03:56.4-1.9,101.45S-164.86E,h0km,mb3.4/3, mb1 3.8/4,mb1mx3.5/38,mbtmp3.6/4,ML3.5/1, Error ellipse: s-maj=55.5km s-min=35.8km azz=125.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.





Table with columns: STKA, LQ, LQ, 04 00 47.8, etc. Rows include STKA, H11N1 WAKE ISLAND Hy 30.57, H11N3 WAKE ISLAND Hy 30.57, H11N2 WAKE ISLAND Hy 30.59, etc.

Table with columns: NWAOW, MLR, MLR, 49.68 241 P, etc. Rows include MORW Morawa, MORW Morawa, JAGI Jajag, Banyuwa, etc.

Table with columns: CASY, LR, LR, 66.51 181 eP, etc. Rows include VANDA Vanda, VANDA Vanda, VANDA Vanda, etc.



Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes stations like MVCO, LKWKY, BW06, PD31, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes stations like BRAL, JTS, KBS, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other technical details. Includes stations like UPC, ANWB, GRGR, etc.

BUJ 08 04:38:08.9,36°51'N,71°36'E, h102km, mB4.8/11, mb4.4/20
ISCB 08 04:38:10.0,1.0,2,36°47'N,0°02'71.57E,0.03,h114km,
mb4.2/35, Error ellipse: s-maj=4.0km s-min=3.3km
az=172.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Rise, ISC. Includes stations like GAR, CEP, KBL, etc.

8d 4h

Table with columns: Call sign, Frequency, Power, Mode, and other technical details for various stations.

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Table with columns: Call sign, Frequency, Power, Mode, and other technical details for various stations.

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Table with columns: Call sign, Frequency, Power, Mode, and other technical details for various stations.

Table with columns: WRA, Warramunga Arr, 30.94 250 P, P, 04 54 34.1 -0.5, etc. Includes stations like WRA, BFZ, THZ, AS01, etc.

Table with columns: WMO, comp=Z, 440nm, 5.9s, LR, LR, etc. Includes stations like WMO, LCMT, CCUT, KNB, etc.

Table with columns: H11S1, WAKE ISLAND Hy 29.31 2 T, T, 05 39 58.3, etc. Includes stations like BKZ, STKA, STKA, etc.



Table with columns: Code, Station Name, Az, El, Op, P, H, m, s, ISC, Res. Includes stations like DAGI Aguilár, ZEI Tsey, DBAD Bademkaya, etc.

IDC 08 05:09:48.4 ± 1.2, 3.43s, 139°38E, h0km, mb4.5/5, mb1 3.5/6, mb1mx3.4/24, mbtmp3.4/6, ML3.4/1, MS4.0/1, Ms1 4.0/1, ms1mx3.1/27, Error ellipse: s-maj=72.9km s-min=26.1km az=92.0, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, El, Op, P, H, m, s, ISC, Res. Includes stations like BATI Baumata, WRA Warrangama Arr, ASAR Alice Springs, etc.

IDC 08 05:09:49.2 ± 0.7, 60°38S:27°05W, h0km, mb4.3/9, mb1 4.4/10, mb1mx4.2/24, mbtmp4.3/10, ML4.2/1, Error ellipse: s-maj=28.1km s-min=18.0km az=14.0

ISC/B 08 05:09:56.3 ± 1.6, 60.62S:0.09±26°W:0.1, h69km, 16km, mb4.0/29, Error ellipse: s-maj=16.4km s-min=8.3km az=35.1

NEIC 08 05:09:57.0 ± 1.5, 60°53S:26°61W, h49km, 12km, mb4.7/25, Error ellipse: s-maj=14.4km s-min=8.4km az=212.0

ISC 08 05:09:54.0 ± 0.7, 60.55S:0.1±26°W:0.10, h28km, 4km, h28km; p-P, n131, r122, 145, mb4.7/29, 2C, South Sandwich Islands region

Main table of station data for the South Sandwich Islands region, including stations like HOPE Hope Point, VNA1 Neumayer-Stat, etc.

Table of station data for the NEIC region, including stations like TEIG Tepich, ASAR Alice Springs, LOHW Long Hollow, etc.

IDC 08 05:14:37.5 ± 1.4, 60°27S:26°74W, h0km, mb4.0/4, mb1 4.1/5, mb1mx3.8/24, mbtmp4.1/5, ML4.0/1, Error ellipse: s-maj=45.8km s-min=29.9km az=28.0

NEIC 08 05:14:43.5 ± 0.5, 60°24S:26°66W, h35km, mb4.4/9, Error ellipse: s-maj=17.1km s-min=12.0km az=193.0

ISC 08 05:14:40.9 ± 0.6, 60°25S:0.1±26°W:0.1, h20km, n34, r143, 3/4, mb4.3/11, South Sandwich Islands region

Main table of station data for the NEIC region, including stations like VNA1 Neumayer-Stat, GO10 Punta Arenas, etc.

NEIC 08 05:15:00.38 ± 20N, 143°00E, h14km, Mw4.4, Best double couple: A4 010000-1015, NP13:344.00000, r31.00000, r-104.00000, NP2:3:181.00000, r60.00000,

λ=82.00000°, IDC 08 05:14:47.1 ± 0.5, 38°15N:143°14E, h0km, mb4.3/30, mb1 4.4/38, mb1mx4.4/54, mbtmp4.3/38, ML3.6/5, MS3.8/3, Ms1 3.8/3, ms1mx3.2/43, Error ellipse: s-maj=13.1km s-min=11.1km az=124.0

JMA 08 05:15:48.2 ± 0.2, 38°18N:143°03E, h15km, 3km, M4.7 JMA Felt I J1, ISC/B 08 05:15:48.8 ± 0.3, 13N:0°02:143°01E:0.03, h16km, 5km, mb4.5/134, MS4.3/4, Error ellipse: s-maj=4.2km s-min=3.4km az=143.3

MOS 08 05:15:51.8 ± 1.3, 13N:142°94E, h38km, mb4.6/53, Error ellipse: s-maj=7.5km s-min=5.4km az=113.6

NEIC 08 05:15:54.0 ± 0.5, 38°13N:142°93E, h46km, 4km, mb4.5/66, Error ellipse: s-maj=4.1km s-min=3.0km az=134.0

NEIC Recorded (1 JMA) in Iwate and Miyagi, ISC 08 05:15:48.0 ± 1.3, 13N:140°04:143°08E:0.04, h4km, 8km, n297, r153/306, mb4.5/134, MS4.3/5, 13C-1D, Off east coast of Honshu

Main table of station data for the NEIC region, including stations like IJKH Ishinomakikubo, JKI Ouri, etc.

BUT	comp=E,18nm,0.8s	Bajijiatuu	20.95 284	eP	P	05 20 31.3 -0.5
SARN	comp=Z,18nm,0.8s	Sarigan	21.49 173	eP	P	05 20 35.6 -2.2
YOJ	comp=Z,95nm,1.0s	Yonaguni jima	21.85 237	eP	P	05 20 41.2 -0.4
YOJ	comp=Z,95nm,1.0s	Yonaguni jima	21.85 237	eP	Pmax	05 20 41.2 -0.4
MA2	comp=Z,7.0nm,0.7s	Magadan	22.01 10	eP	P	05 20 44.5 +1.4
MA2	comp=Z,7.0nm,0.7s	Magadan	22.01 10	eP	Pmax	05 20 44.4 +1.4
MA2	comp=Z,11nm,1.7s	Magadan	22.01 10	eP	P	05 20 43.0 0.0
YHNB	comp=Z,2.0nm,0.8s	Yeheng	22.29 240	eP	P	05 20 51.0 -1.0
NACB	comp=Z,2.0nm,0.8s	Ninganchiao	22.81 239	eP	P	05 20 51.5 -2.2
SSLB	comp=Z,2.0nm,0.8s	Suanglung	23.68 239	eP	P	05 21 01.7 +0.9
YULB	comp=Z,2.25nm,1.1s	Yu-ji	23.72 238	eP	P	05 21 02.5 +1.3
TPUB	comp=Z,1.3nm,0.9s	Ta-pu	24.23 239	eP	P	05 21 06.2 +0.3
HHC	comp=Z,19nm,0.7s	Hu-ho-hao-te	24.40 286	eP	P	05 21 04.3 -3.2
HHC	comp=Z,12nm,1.4s			S	S	05 21 15.1 +6.7
HHC	comp=Z,170nm,3.9s			S	S	05 25 16.3 -12
HHC	comp=N,390nm,12.7s			S	S	
HHC	comp=E,850nm,12.3s			LR	LR	
HHC	comp=Z,860nm,13.1s			LR	LR	
WHN	comp=Z,2.0nm,0.8s	Wuhan	24.83 261	P	P	05 21 10.8 -0.6
YAK	comp=Z,2.0nm,0.8s	Yakutsk	25.31 345	eP	P	05 21 16.4 +1.1
YAK	comp=Z,2.0nm,0.8s			ePPP	P	05 21 22.8
YAK	comp=Z,2.0nm,0.8s			ePPP	PPP	05 21 52.4
YAK	comp=Z,2.0nm,0.8s			e	PPP	05 21 59.7
YAK	comp=Z,2.0nm,0.8s			e	Pmax	05 24 46.6
YAK	comp=N,21nm,0.9s			Pmax	Pmax	
YAK	comp=E,19nm,1.0s			Pmax	Pmax	
YAK	comp=Z,268nm,2.9s			Pmax	Pmax	
YAK	comp=N,315nm,2.6s			Pmax	Pmax	
YAK	comp=E,534nm,3.0s			Pmax	Pmax	
SEY	comp=Z,13nm,1.3s	Seymchan	25.46 10	ceP	P	05 21 17.3 +0.6
SEY	comp=Z,13nm,1.3s	Seymchan	25.46 10	P	P	05 21 17.1 +0.4
BOD	comp=Z,13nm,1.3s	Bodaibo	27.33 325	eP	P	05 21 33.0 -0.7
H11N2	comp=Z,13nm,1.3s	WAKE ISLAND Hy	27.64 125	T	T	05 50 33.2
H11N1	comp=Z,13nm,1.3s	WAKE ISLAND Hy	27.65 125	T	T	05 50 35.6
H11N3	comp=Z,13nm,1.3s	WAKE ISLAND Hy	27.66 125	T	T	05 50 34.4
XAN	comp=Z,6.0nm,0.6s	Xi'an	27.81 272	P	P	05 21 37.6 -0.7
XAN	comp=Z,6.0nm,0.6s	Xi'an	27.81 272	P	Pmax	05 21 44.6 +5.7
XAN	comp=Z,6.0nm,0.6s	Xi'an	27.81 272	eP	P	05 21 37.4 -0.9
XAN	comp=Z,6.0nm,0.6s	Xi'an	27.81 272	eP	Pmax	05 21 37.4 -0.9
ULN	comp=Z,7.4nm,0.8s	Ulanbaatar	27.86 302	eP	P	05 21 38.6 -0.2
ULN	comp=Z,7.4nm,0.8s	Ulanbaatar	27.86 302	ceP	P	05 21 38.0 -0.7
SONA1	comp=Z,9.0nm,1.0s	Songino Array	28.29 302	eP	P	05 21 42.7 +0.2
SONA0	comp=Z,9.0nm,1.0s	Songino Array	28.29 302	eP	P	05 21 42.9 +0.3
SONM	comp=Z,9.0nm,1.0s	Songino Array	28.29 302	P	P	05 21 42.9 +0.3
H11S1	comp=Z,31nm,0.8s	WAKE ISLAND Hy	28.41 127	T	T	05 51 30.4
H11S3	comp=Z,31nm,0.8s	WAKE ISLAND Hy	28.41 127	T	T	05 51 36.2
H11S2	comp=Z,31nm,0.8s	WAKE ISLAND Hy	28.43 127	T	T	05 51 37.1
ENH	comp=Z,31nm,0.8s	Enshi	28.75 264	eP	P	05 21 46.1 -0.6
TLY	comp=Z,31nm,0.8s	Talaya	30.63 309	ceP	P	05 22 05.1 +2.0
ZAK	comp=Z,31nm,0.8s	Zakamensk	30.65 306	eP	P	05 22 04.0 +0.6
LZH	comp=Z,9.0nm,1.4s	Lanzhou	31.20 278	lP	P	05 22 08.9 +0.4
LZH	comp=Z,9.0nm,1.4s			pP	pP	05 22 16.1 +7.0
LZH	comp=Z,9.0nm,1.4s			SP	SP	05 22 18.4 +9.0
LZH	comp=Z,9.0nm,1.4s			PP	PP	05 23 15.4 -3.3
LZH	comp=Z,2.1nm,1.0s			Pmax	Pmax	
LZH	comp=Z,2.1nm,1.0s			Pmax	Pmax	
MOY	comp=Z,110nm,5.4s	Mondy	32.26 309	eP	P	05 22 18.5 +0.9
BILL	comp=Z,22nm,3.4s	Billbino	32.59 16	iP	P	05 22 20.1 -0.1
GYA	comp=Z,5.0nm,1.0s	Guyang	32.71 260	lP	P	05 22 21.3 -0.5
CD2	comp=Z,10.0nm,0.8s	Chengdu	33.00 269	eP	P	05 22 25.7 +1.5
GTA	comp=Z,10.0nm,0.8s	Gaotai	33.52 286	eP	P	05 22 28.6 -0.1
GTA	comp=Z,10.0nm,0.8s			pP	pP	05 22 33.3 +3.9
GTA	comp=Z,10.0nm,0.8s			sP	sP	05 22 36.1 +6.5
GTA	comp=Z,10.0nm,0.8s			S	S	05 27 47.9 -3.4
GTA	comp=Z,10.0nm,0.8s			SS	SS	05 27 55.4 +3.1
GTA	comp=Z,10.0nm,0.8s			SSnSn	SSnSn	05 29 49.7 -3.2
GTA	comp=Z,5.0nm,1.2s			Pmax	Pmax	
GTA	comp=Z,290nm,18.4s			LR	LR	
GTA	comp=E,370nm,17.1s			LR	LR	
TIXI	comp=Z,480nm,17.5s	Tiksi	34.36 352	iP	P	05 22 38.6 +3.1
TIXI	comp=Z,2.0nm,0.9s	Tiksi	34.36 352	P	P	05 22 35.0 -0.5
KMI	comp=Z,1.3nm,0.3s	Kunming	36.44 261	P	P	05 22 55.3 +1.1
KMI	comp=Z,1.3nm,0.3s			pP	pP	05 22 58.4 +3.6
KMI	comp=Z,1.3nm,0.3s			sP	sP	05 23 03.0 +7.9
KMI	comp=Z,1.3nm,0.3s			Pmax	Pmax	
KMI	comp=Z,1.3nm,0.3s			Pmax	Pmax	
ANM	comp=Z,410nm,5.9s	Nome	39.96 32	eP	P	05 23 25.5 +2.4
ANM	comp=Z,410nm,5.9s	Nome	39.96 32	eP	P	05 23 25.5 +2.4
DGZ	comp=Z,5.0nm,1.0s	Jazzator, Alta	40.83 305c	iP	P	05 23 31.1 +0.4
WMQ	comp=Z,12nm,0.9s	Urumqi	41.53 296	P	P	05 23 39.0 +2.5
WMQ	comp=Z,12nm,0.9s			pP	pP	05 23 42.9 +5.8
WMQ	comp=Z,12nm,0.9s			sP	sP	05 23 44.8 +7.4
WMQ	comp=Z,33nm,0.7s			Pmax	Pmax	
WMQ	comp=Z,410nm,5.9s			Pmax	Pmax	
WMQ	comp=N,610nm,20.1s			LR	LR	
WMQ	comp=N,610nm,20.1s			LR	LR	

WMQ	comp=E,680nm,20.1s			LR	LR	
ZAA0	comp=Z,420nm,19.3s	Zalesovo Array	42.16 311	eP	P	05 23 40.2 -1.2
ZAA1	comp=Z,420nm,19.3s	Zalesovo Array	42.16 312	eP	P	05 23 41.4 0.0
ZALV	comp=Z,420nm,19.3s	Zalesovo Beam	42.16 311	P	P	05 23 41.4 0.0
UTTA	comp=Z,2.0nm,0.6s	Utatarid	42.26 253	P	P	05 23 50.9 +8.3
PBKT	comp=Z,2.0nm,0.6s	Sadao Pong	42.67 252	P	P	05 23 53.5 +7.6
CMMT	comp=Z,7.5nm,1.1s	Chiang Mai	42.84 256	P	P	05 23 54.8 +7.4
CHTO	comp=Z,31nm,0.7s	Chiang Mai	42.84 256	P	P	05 23 54.9 +7.5
CMAR	comp=Z,1.0nm,0.3s	Chiang Mai Arr	43.06 256	P	Pmax	05 23 48.6 -0.5
CMAR	comp=Z,1.0nm,0.3s	Chiang Mai Arr	43.06 256	P	Pmax	05 23 48.6 -0.5
SRAK	comp=Z,1.8nm,0.7s	Srakaveh	43.51 248	P	P	05 23 56.8 +4.1
SVW2	comp=Z,1.8nm,0.7s	Srakaveh	43.84 38	P	P	05 23 56.7 +1.8
MK01	comp=Z,2.8nm,0.7s	Makanchi Array	44.66 301	eP	P	05 24 01.3 -0.4
MK31	comp=Z,2.8nm,0.7s	Makanchi Array	44.66 301	eP	P	05 24 01.6 -0.1
MK31	comp=Z,2.8nm,0.7s	Makanchi Array	44.66 301	eP	P	05 24 01.6 -0.1
MK32	comp=Z,2.8nm,0.7s	Makanchi Array	44.66 301	eP	P	05 24 01.4 -0.3
MKAR	comp=Z,2.8nm,0.7s	Makanchi Array	44.66 301	eP	P	05 24 01.5 -0.2
MKAR	comp=Z,2.8nm,0.7s	Makanchi Array	44.66 301	P	P	05 24 01.4 -0.2
SHL	comp=Z,6.1nm,0.9s	Shilong	44.74 269	eP	P	05 24 01.7 -1.1
SHL	comp=Z,6.1nm,0.9s	Shilong	44.74 269	eP	P	05 24 01.7 -1.1
SHL	comp=Z,10.0nm,0.6s	Shilong	44.74 269	eP	Pmax	05 24 01.7 -1.1
MAKZ	comp=Z,2.8nm,0.9s	Makanchi	44.87 302	eP	P	05 24 02.4 -1.0
MAKZ	comp=Z,2.8nm,0.9s	Makanchi	44.87 302	eP	P	05 24 02.4 -1.0
MAKZ	comp=Z,2.8nm,0.9s	Makanchi	44.87 302	eP	Pmax	05 24 02.4 -1.0
IM3	comp=Z,2.0nm,0.9s	Indian Mountain	45.02 31	eP	P	05 24 05.2 +0.9
KDAK	comp=Z,2.0nm,0.9s	Kodiak Island	45.39 43	eP	P	05 24 08.3 +1.0
KDAK	comp=Z,2.0nm,0.9s	Kodiak Island	45.39 43	P	P	05 24 06.4 -0.9
SRDT	comp=Z,15nm,0.7s	SRDT	45.45 251	P	P	05 24 17.5 +9.3
CAST	comp=Z,6.4nm,1.3s	Castle Rocks	45.56 35	eP	P	05 24 10.9 +2.2
PHET	comp=Z,2.8nm,1.2s	Kaeng Krachan	46.00 249	P	P	05 24 15.7 +3.1
SUA	comp=Z,9.3nm,0.8s	Susitna One	46.18 38	eP	P	05 24 15.8 +2.2
MLY	comp=Z,1.2nm,1.2s	Manlie	46.21 33	eP	P	05 24 15.5 +1.8
KURK	comp=Z,2.8nm,1.1s	Kurchatov	46.30 307	eP	P	05 24 14.4 -0.2
KURK	comp=Z,2.8nm,1.1s	Kurchatov	46.30 307	ceP	P	05 24 13.3 -1.3
KURK	comp=Z,19nm,0.8s	Kurchatov	46.30 307	ceP	Pmax	05 24 17.6 +2.4
TRF	comp=Z,2.7nm,1.1s	Thorare Moun	46.37 35	eP	P	05 24 17.6 +2.4
KURB	comp=Z,2.8nm,0.6s	Kurchatov Arr	46.37 307	P	P	05 24 14.8 -0.4
PMR	comp=Z,1.8nm,1.0s	Palmer	46.95 37	eP	P	05 24 20.2 +0.8
PMR	comp=Z,1.8nm,1.0s	Palmer	46.95 37	eP	Pmax	05 24 20.3 +0.8
GHO	comp=Z,2.0nm,1.0s	Glory Hole Cre	47.03 37	eP	P	05 24 21.4 +1.1
MDM	comp=Z,2.0nm,1.2s	Murphy Dome	47.27 33	eP	P	05 24 23.8 +1.8
KNK	comp=Z,5.9nm,1.0s	Knik Glacier	47.28 38	eP	P	05 24 23.9 +1.8
SML	comp=Z,2.8nm,1.2s	Sawmill	47.31 37	eP	P	05 24 23.8 +1.4
WRH	comp=Z,2.8nm,1.2s	Wood River Hill	47.34 33	eP	P	05 24 23.8 +1.3
PDGK	comp=Z,4.2nm,1.1s	Podgornoye	47.43 297	P	P	05 24 24.2 +0.5
ODAN	comp=Z,7.0nm,0.9s	Odare	47.66 273	eP	P	05 24 25.7 -0.2
SCM	comp=Z,4.6nm,0.8s	Sheep Creek Mo	47.79 37	eP	P	05 24 27.4 +1.3
HDA	comp=Z,2.8nm,1.0s	Harding Lake	47.83 33	eP	P	05 24 27.1 +0.7
IL1	comp=Z,2.4nm,0.8s	Eielson Array	47.85 33	eP	P	05 24 27.3 +0.8
ILAR	comp=Z,2.4nm,0.8s	Eielson Array	47.85 33	P	P	05 24 26.1 -0.4
ILB	comp=Z,2.4nm,0.8s	Eielson Array	47.85 33	eP	P	05 24 27.2 +0.7
JIRN	comp=Z,3.3nm,0.6s	Jiri	48.23 275	eP	P	05 23 30.4 0.0
RAMN	comp=Z,4.0nm,0.8s	Ramite	48.24 274	eP	P	05 24 30.0 -0.4
GUN	comp=Z,4.0nm,0.8s	Gumba	48.36 276	eP	P	05 24 31.7 +0.3
KLU	comp=Z,4.0nm,0.8s	Klutina	48.48 37	eP	P	05 24 33.0 +1.4
KKN	comp=Z,12nm,1.2s	Kakani	48.89 276	eP	P	05 24 35.6 +0.3
PKI	comp=Z,2.8nm,0.5s	Pulchoki	48.89 275	eP	P	05 24 36.0 +0.6
PKIN	comp=Z,9.5nm,0.5s	Pulchoki	48.90 275	eP	P	05 24 36.1 +0.7
DMN	comp=Z,3.2nm,1.0s	Daman	49.11 276	eP	P	05 24 37.7 +0.7
DOT	comp=Z,3.2nm,1.0s	Dot Lake	49.15 34	eP	P	05 24 37.8 +1.3
SCRK	comp=Z,2.8nm,0.6s	Sand Creek	49.15 34	eP	P	05 24 37.7 +1.0
DANN	comp=Z,2.8nm,0.6s	Dangsing	49.82 277	eP	P	05 24 42.8 +0.3
KOLN	comp=Z,2.8nm,0.9s	Koldanda	50.22 277	eP	P	05 24 45.8 +0.4
TKM2	comp=Z,2.0nm,0.7s	Tokmak 2	50.27 298	iP	P	05 24 46.4 +0.8
BYUN	comp=Z,7.0nm,1.0s	Piuthan	50.54 277	eP	P	05 24 48.2 +0.3
BVA0	comp=Z,6.0nm,0.8s	Borovoye Array	50.81 312	P	P	05 24 50.0 +0.7
BVA0	comp=Z,6.0nm,0.8s	Borovoye Array	50.81 312	P	P	05 24 49.4 +0.1
BTUK	comp=Z,2.4nm,0.7s	Ortay	50.85 306	P	P	05 24 49.1 -0.6
OTUK	comp=Z,7.0nm,0.9s			Pmax	Pmax	
BRVK	comp=Z,7.0nm,0.9s	Borovoye	50.86 312	eP	P	05 24 50.1 +0.4
BRVK	comp=Z,7.0nm,0.9s	Borovoye	50.86 312	ceP	Pmax	05 24 50.3 +0.6
AAK	comp=Z,5.0nm,0.8s	Ala-Archa	51.13 298	eP	P	05 24 52.0 -0.1
AAK	comp=Z,5.0nm,0.8s	Ala-Archa	51.13 298	eP	P	05 24 53.4 +1.3
AAK	comp=Z,4.0nm,1.3s	Ala-Archa	51.13 298	eP	P	05 24 50.2 -1.9
KSH	comp=Z,0.6nm,					

8d 5h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MPU Maple Canyon, KNB Kanab, SRU San Rafael Swe, ULM Lac du Bonnet, RSSD Black Hills, etc.

IDC 08 05:18:47.9e.1.2, 11.365x164.88E, h0km, mb3.9/6, mb1 4.1/8, mb1mx3.9/36, mbmtmp4.0/8, ML4.4/2, MS3.4/1, Ms1 3.4/1, ms1mx2.8/34, Error ellipse: s-maj=32.2km s-min=26.0km az=142.0

NEIC 08 05:18:50.1e.4.7, 11.313x164.82E, h8km, 29km, mb4.1/6, Error ellipse: s-maj=13.0km s-min=8.8km az=207.0

ISCJB 08 05:18:52.1e.0.5, 11.495x164.78E, 0.0/7, h34km, mb4.0/12, Error ellipse: s-maj=10.9km s-min=7.7km az=142.0

ISC 08 05:18:53.0e.7, 11.465x164.85E, 0.0/9, h34km, n30, o183/28, mb4.0/12, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.

NNC 08 05:26:31.8e.0.9, 42.59N, 79.67E, h0km, mb3.4, mpv3.3, Error ellipse: s-maj=5.9km s-min=3.7km az=134.0

SOME 08 05:26:32.9, 42.58N, 79.63E, h20km

KRNET 08 05:26:32.6e.0.1, 42.61N, 79.67E, h20km, mb3.1

ISC 08 05:26:31.8e.1.1, 42.54N, 0.0/4, 79.70E, 0.0/4, h10km, n52, o189/92, 25C-24D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like UZB Uzynbulak, UZB Uzynbulak, UZB Uzynbulak, etc.

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Main table with columns: PRZ, Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PRZ baz=63, KTMS Ketmen, KTMS Ketmen, etc.

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Table with columns: MK31 Makanchi Array, MK31 Makanchi Array, MK31 Makanchi Array, etc.

IDC 08 05:29:32.5e.0.5, 11.265x165.83E, h0km, mb4.4/18, mb1 4.6/20, mb1mx4.5/39, mbmtmp4.5/20, ML4.6/2, MS4.0/11, Ms1 4.0/11, ms1mx3.7/39, Error ellipse: s-maj=18.6km s-min=15.4km az=136.0

ISCJB 08 05:29:35.0e.0.2, 11.395x165.67E, 0.0/4, h24km, mb4.7/104, MS4.0/11, Error ellipse: s-maj=5.6km s-min=5.0km az=137.2

NEIC 08 05:29:35.6e.3.3, 11.325x165.74E, h18km, 20km, mb4.8/83, Error ellipse: s-maj=7.0km s-min=5.5km az=188.0

GCMT 08 05:29:36.6e.0.4, 11.645x165.80E, 0.0/3, h28km, MW5.0/62, Moment Tensor Solution, s24.c27, s62.c74, Duration: 0 Moment tensor: Scale 10^16Nm; Mr=1.45e.29; Mw=1.55e.27; Mb=2.90e.22; Me=2.71e.30; Mo=1.77e.10; Ms=0.43e.27; Best double couple: M4.65600x10^16 Np1s124.00000; s57.00000; A=114.00000; NP2: p344.00000; s40.00000; A=57.00000; Principal axes: T 3.7390, Plg0.0000; Azm232.0000; N 1.8350, Plg20.0000; Azm138.0000; P -5.5740, Plg68.0000; Azm345.0000; nsta1 refers to surface waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 08 05:29:36.9e.0.4, 11.345x165.66E, 0.0/6, h24km, n176, o156/167, mb4.8/104, MS4.1/11, 1C, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like Petropavlovsk, Casey, IPM, SKNT, PSI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like WMQ, WMQ, PMQ, Pine Spring, Little Creek M, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes stations like DZM, H11S2, H11S3, WAKE ISLAND Hy 29.15, etc.

8d 6h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WAKE ISLAND Hy 86.88 292 T, Zalesovo Beam 146.34 338 PKPbc, etc.

IDC 08 06:05:43.9-10.0, 24.33S, 112.43W, h0km, mb3.4/3, mb1 3.8/3, mb1mx3.6/3, mbtmp3.4/3, Error ellipse: s-maj=493.0km s-min=232.2km az=81.0, Easter Island region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Mina Array Bea 62.72 355 Op, Pinedale Array 66.86 2 P, etc.

IDC 08 06:07:17.5-1.7, 11.75S, 165.07E, h0km, mb3.6/4, mb1 3.9/5, mb1mx3.6/4, mbtmp3.7/5, ML3.6/1, Error ellipse: s-maj=48.2km s-min=30.5km az=134.0, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Mont Dzumac 10.35 173 Op, WAKE ISLAND Hy 30.09 3 T, etc.

KRAR 08 06:07:42.7-0.1, 55.56N, 85.89E, M2.6, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, SL24P + CD-ROM, 2014)

NNC 08 06:07:44.9-3.7, 55.48N, 86.46E, h0km, mb3.8, mvp3.5, 6C-4D, Error ellipse: s-maj=51.3km s-min=27.2km az=125.0, Suspected Mining explosion, Southwestern Siberia

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Zalesovo Array 1.80 212 P, KURK Kurchatov 6.71 228 P, etc.

ISC/JB 08 06:09:16.0-8.9, 24.5 S, 111.6 W, h10km, mb3.7/4, Error ellipse: s-maj=264.3km s-min=33.0km az=38.1

IDC 08 06:09:16.8-1.2, 23.59S, 115.40W, h0km, mb3.6/4, mb1 4.0/4, mb1mx3.7/36, mbtmp3.6/4, Error ellipse: s-maj=47.9km s-min=36.2km az=33.0

ISC 08 06:09:17.3-1.4, 23.8S, 115.6W, 0.3h10km, n15, 06F4/11, mb3.8/4, Southern East Pacific Rise

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like La Paz 45.00 9 Op, Mina Array Bea 61.95 358 P, etc.

IDC 08 06:10:29.9-1.3, 10.75S, 165.70E, h0km, mb3.6/3, mb1 4.0/4, mb1mx3.6/46, mbtmp3.8/4, ML3.8/1, Error ellipse: s-maj=53.8km s-min=32.3km az=127.0, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Mont Dzumac 11.28 176 Pn, WAKE ISLAND Hy 29.07 2 T, etc.

IDC 08 06:12:08.8-1.3, 11.57S, 165.05E, h0km, mb4.0/7, mb1 4.1/8, mb1mx3.9/45, mbtmp4.0/8, ML3.7/1, Error ellipse: s-maj=43.0km s-min=23.1km az=132.0

ISC/JB 08 06:12:11.8-0.9, 11.81S, 165.08E, 1E, 0.2, h34km,

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mb3.9/7, Error ellipse: s-maj=22.8km s-min=10.5km az=171.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Mont Dzumac 10.42 173 Pn, WAKE ISLAND Hy 30.01 3 T, etc.

GRAL 08 06:15:44.6-0.3, 32.99N, 35.89E, h9km, 5km, MD2.9, GII 08 06:15:45.5-0.0, 33.08N, 35.86E, h1km, 1km, MD2.5

ISC 08 06:15:43.8-1.3, 33.07N, 35.98E, 0.02, 35.98E, h10km, 10km, n19, 0836/1, Jordan-Syria region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Neve Ativ 0.28 314 Op, Kefar Szold 0.29 295 P, etc.

MEX 08 06:16:23.7-0.3, 15.76N, 93.91W, h103km, 10km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Matias Romero 1.62 325 eS, Hualtulo 1.22 270 eS, etc.

IDC 08 06:17:00.2-1.1, 11.51S, 165.00E, h0km, mb4.2/10, mb1 4.3/12, mb1mx4.1/43, mbtmp4.2/12, ML3.7/2, MS3.6/2, Ms1 3.5/2, ms1mx2.9/27, Error ellipse: s-maj=37.6km s-min=20.2km az=128.0

NEIC 08 06:17:02.3-0.3, 11.48S, 164.96E, h10km, mb4.5/11, Error ellipse: s-maj=19.13km s-min=1.1km az=126.0

ISC/JB 08 06:17:04.3-0.5, 11.93S, 164.95E, 0.08, h34km, mb3.4/19, MS3.5/2, Error ellipse: s-maj=12.7km s-min=9.8km az=34.8

ISC 08 06:17:05.8-0.6, 11.55S, 165.01E, 0.1, h34km, n42, 0106/39, mb4.3/19, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Honiara 5.43 292 ePn, Mont Dzumac 10.55 173 Pn, etc.

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Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Pine Mountain 86.67 44 eP, Makanchi Array 93.40 317 eP, etc.

IDC 08 06:18:45.5-1.4, 23.90S, 115.78W, h0km, mb4.1/7, mb1 4.4/7, mb1mx4.0/33, mbtmp4.1/7, MS4.0/5, Ms1 4.0/5, ms1mx3.6/25, Error ellipse: s-maj=45.3km s-min=28.0km az=36.0

NEIC 08 06:18:47.0-0.6, 24.35S, 115.96W, h0km, mb4.5/44, Ms1 4.0/5, mb1mx3.6/25, Error ellipse: s-maj=19.13km s-min=1.1km az=126.0

ISC 08 06:18:46.1-0.8, 24.4S, 102.115W, 0.1, h12km, n86, 01575/77, mb4.5/51, MS4.4/5, Southern East Pacific Rise

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Rapa Nui 6.53 116 LR, Papaete 32.08 276 LR, etc.

ISC 08 06:19:05.8-0.3, 15.76N, 93.91W, h103km, 10km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KURK Kurchatov 6.71 228 P, KURKB Kurchatov Arra 6.81 228 P, etc.















s-min=6.8km az=141.8  
 DJA 08 07:39:31.0,0.9,3.5,4.9,9.9E, h39km,11km, M4.3/11, mb4.0/1, MLV4.1/11  
 ISC 08 07:39:29.6,1.3,3.32S,0.09,99.37E,0.10, h35km, m20, o=87/18, mb3.8/6, h33km, South of Sumatera

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
PPSI	Pulau Pagai	0.85	49	Op	ISC	h m s	ISC
KRJI	Kerinci	2.62	60	P	Pn	07 39 45.9	+0.8
PDSI	Padang	2.62	25	P	Pn	07 40 06.9	0.0
PDSI	Padang	2.62	25	P	Sn	07 40 09.7	0.0
PDSI	Padang	2.62	25	P	Sn	07 40 40.6	+0.1
MASI	Maura Aman, Be	2.87	86	P	Pn	07 40 13.4	+0.4
PPI	Padang Panjang	3.03	20	P	Pn	07 40 16.0	+0.9
SDSI	Sunga Daroh	3.14	31	P	Pn	07 40 16.7	0.0
PBSI	Pulau Batu	3.42	34	P	Pn	07 40 21.9	+1.3
PBSI	Pulau Batu	3.42	34	S	Sn	07 40 59.2	-0.8
MNAI	Manna	3.73	106	P	Pn	07 40 25.8	+1.1
MNSI	Mandailing Nat	4.10	3	P	Pn	07 40 29.8	0.0
LHSI	Lahat	4.18	97	P	Pn	07 40 31.8	+0.9
MDSI	Maura Dua	4.94	104	P	Pn	07 40 41.1	-0.3
KASI	Kota Agung	5.56	113	P	Pn	07 40 50.4	+0.4
SUKH	Sukthothai	20.68	1	P	Pn	07 44 11.2	+0.0
CMAR	Chiang Mai Arr	21.65	39	P	P	07 44 19.0	+1.8

2.8mm,0.4s,baz=188,slow=11,SNR=14  
 WARRAMA Beam 4.94 104 P Pg 07 46 50.8 +0.0  
 0.3mm,0.5s,baz=292,slow=8.8,SNR=3.0  
 ASAR Alice Springs 3.91 124 P P 07 46 59.8 +6.6  
 0.5mm,0.7s,baz=300,slow=8.4,SNR=4.8  
 KSR5 Korea Array 48.47 31 LR LR 08 09 43.3  
 comp=E,2.1mm,19.2s,baz=133,slow=37  
 KURBB Kurchatov Arr 56.64 344 P P 07 49 08.7 -0.5  
 0.5mm,0.8s,baz=155,slow=6.8,SNR=2.1  
 ZALV Zalesovo Beam 58.35 350 P P 07 49 20.4 -0.8  
 1.4mm,0.7s,baz=186,slow=4.3,SNR=1.7  
 FINES FINES Array B 84.98 332 P P 07 52 00.1 -1.0  
 0.7mm,0.6s,baz=133,slow=9.6,SNR=1.4

IDC 08 07:41:04.0,2.6,5.4,15N,86.44E, h0km, mb1.2/8/2, mb1mx2.8/5.4, mbtmp2.8/2, ML2.6/2, Error ellipse: s-maj=21.0km s-min=12.2km, az=58.0, Southwestern Siberia

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
H46RU	ZALESOVO INFRA	0.97	259	P	Pg	07 46 34.8	
ZALV	Zalesovo Beam	0.97	259	Pg	Pg	07 41 21.2	-1.5
ZALV	Zalesovo Beam	3.8mm,0.3s,baz=74,slow=16,SNR=14		Lg	Lg	07 41 37.1	
ZALV	Zalesovo Beam	5.8mm,0.3s,baz=80,slow=31,SNR=12		Rg	Rg	07 41 41.6	
KURBB	Kurchatov Arr	5.99	237	Pn	Pn	07 42 34.8	+1.0
0.1mm,0.3s,baz=54,slow=13,SNR=2.8							
MKAR	Makanchi Array	7.82	201	Pn	Pn	07 43 00.2	+1.2
0.2mm,0.3s,baz=25,slow=14,SNR=12							

IDC 08 07:43:03.4,1.5,11.0,4S,164.68E, h0km, mb4.0/7, mb1.4/2.9, mb1mx4.0/4.1, mbtmp4.1/9, ML3.9/2, MS4.0/2, Ms1.4/0.2, ms1mx3.4/3.7, Error ellipse: s-maj=45.9km s-min=21.2km az=120.0

ISCJB 08 07:43:05.9,0.6,11.1,2S,0.07,164.7E,0.1, h29km, mb4.1/11, MS4.1/2, Error ellipse: s-maj=14.2km s-min=10.5km az=176.3

NEIC 08 07:43:05.3,0.5,11.0,2S,164.69E, h10km, mb4.3/4, Error ellipse: s-maj=9.0km s-min=8.0km az=88.0

ISC 08 07:43:08.0,0.8,11.1,5S,0.1,164.7E,0.1, h29km, n30, o=82/21, mb4.1/11, Santa Cruz Islands region

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
HNR	Honiara	4.95	289	Op	ISC	h m s	ISC
MARNC	Mare, Loyalty	10.89	163	ePn	Pn	07 45 44.2	+0.4
DZM	Mont Dzumac	11.09	172	ePn	Pn	07 45 44.2	+0.9
DZM	Mont Dzumac	11.09	173	ePn	Pn	07 45 44.2	+0.6
1.2mm,0.3s,baz=345,slow=16,SNR=8.0							
PINNC	Pines Island	11.79	168	ePn	Pn	07 45 59.3	+4.9
CTA	Charters Tower	19.90	241	P	P	07 47 36.8	-0.6
1.2mm,0.3s,baz=65,slow=12,SNR=6.0							
H1S2	WAKE ISLAND Hy 29.42	4	T	T		08 20 02.0	
baz=178							
H1S3	WAKE ISLAND Hy 29.42	4	T	T		08 19 59.7	
baz=178							
H1S1	WAKE ISLAND Hy 29.43	4	T	T		08 20 03.8	
WRAB	Tennant Creek	30.51	249	eP	P	07 49 19.2	+0.1
5.5mm,0.8s							
WB2	Warramunga Arr	30.52	249	eP	P	07 49 19.1	+0.1
3.7mm,1.1s							
WR1	Warramunga Arr	30.52	249	eP	P	07 49 18.0	-1.1
WRA	Warramunga Arr	30.52	249	eP	P	07 49 18.0	-1.2
2.3mm,1.0s,baz=80,slow=9.2,SNR=12							
H1N1	WAKE ISLAND Hy 30.64	4	T	T		08 21 34.3	
baz=187							
H1N3	WAKE ISLAND Hy 30.65	4	T	T		08 21 33.0	
baz=187							
H1N2	WAKE ISLAND Hy 30.66	4	T	T		08 21 32.6	
baz=187							
AS31	Alice Springs	31.88	243	eP	P	07 49 30.7	-0.4
0.9mm,1.0s							
ASAR	Alice Springs	31.88	243	eP	P	07 49 30.6	-0.5
2.4mm,0.8s,baz=70,slow=8.2,SNR=18							
BBOO	Buckleboo	34.09	226	eP	P	07 49 51.1	+0.9
15mm,1.1s							
TGY	Tegayay City	50.08	299	LR	LR	08 12 30.0	
comp=E,2.6mm,18.2s,baz=352,slow=36							
PETK	Petropavlovsk-	64.18	355	P	P	07 53 39.2	-0.6
3.0mm,0.9s,baz=159,slow=12,SNR=3.1							
PEA1	Petropavlovsk-	64.15	355	eP	P	07 53 39.2	-0.6
1.9mm,0.3s,baz=149,slow=9.0,SNR=8.8							
KLR	Kul'dur	66.56	337	eP	P	07 53 56.0	+0.1
1.9mm,0.3s,baz=149,slow=9.0,SNR=8.8							
SONA0	Songino Array	78.07	324	eP	P	07 55 05.0	+0.8
0.6mm,0.6s,baz=129,slow=4.6,SNR=2.9							
SONM	Songino Array	78.07	324	eP	P	07 55 05.1	+0.8
0.6mm,0.6s,baz=129,slow=4.6,SNR=2.9							
ILAR	Eielson Array	83.84	8	P	P	07 55 34.3	-0.2
2.5mm,0.7s,baz=226,slow=9.0,SNR=7.6							
MK32	Makanchi Array	92.83	317	eP	P	07 56 18.3	+0.2
1.0mm,0.9s,baz=101,slow=6.5,SNR=7.7							
MKAR	Makanchi Array	92.83	317	eP	P	07 56 18.3	+0.2
1.0mm,0.9s,baz=101,slow=6.5,SNR=7.7							
ANMO	Albuquerque	95.29	56	LR	LR	08 32 41.3	
comp=E,2.7mm,18.2s,baz=254,slow=31							
BVAR	Borovoye Array	101.33	322	P	Pdf	07 56 54.3	-2.0
0.5mm,0.6s,baz=120,slow=8.5,SNR=3.0							

ISCJB 08 07:44:01.8,0.4,23.1,6S,0.03,68.86W,0.06, h101km,4km, mb4.1/13, Error ellipse: s-maj=9.5km s-min=4.7km az=5.4

IDC 08 07:44:02.0,0.8,23.01S,68.60W, h91km,4km, mb3.9/7, mb1.3/9.8, mb1mx3.7/3.3, mbtmp4.2/8, MS3.3/2, Ms1.3/2.2, ms1mx2.8/2.7, Error ellipse: s-maj=28.9km s-min=15.6km az=34.0

GUC 08 07:44:02.0,2.0,5.23,19S,68.96W, h96km,3km, ML4.3

NEIC 08 07:44:02.0,2.0,5.23,19S,68.96W, h96km,3km, ML4.3

ISC 08 07:44:02.1,0.5,23.18S,0.04,68.89W,0.06, h94km,4km, h94km,pp-P, n64, e120/87, mb4.1/13, 4C-7D, Northern Chile

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
BP15	IPOC Station P	0.53	267	iP	Pn	07 44 18.1	+0.4
BP15	IPOC Station P	0.53	267	iP	Sn	07 44 29.9	+0.5
LVC	Limon Verde	0.57	358	LR	LR	07 44 07.6	
comp=E,4.4mm,21.7s,baz=213,slow=10							
LVC	Limon Verde	0.57	358	LR	LR	07 44 18.4	+0.2
308mm,0.3s,baz=160,slow=6.2,SNR=6644							
LVC	Limon Verde	0.57	358	LR	LR	07 44 30.6	+0.4
2um,0.3s,baz=45,slow=19,SNR=111							
BP06	IPOC Station P	0.79	307	iP	Pn	07 44 20.4	+0.4
BP06	IPOC Station P	0.79	307	iP	Sn	07 44 33.9	+0.6
comp=E,9.9um,0.1s							
BP05	IPOC Station P	1.25	285	iP	Pn	07 44 25.3	+0.2
BP05	IPOC Station P	1.25	285	iP	Sn	07 44 42.9	+0.4
comp=N,4um,0.5s							
BP03	IPOC Station P	1.38	325	iP	Pn	07 44 27.2	+0.5
BP03	IPOC Station P	1.38	325	iP	Sn	07 44 46.2	+0.9
comp=E,6um,0.2s							

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
BP09	IPOC Station P	1.42	347	iP	Pn	07 44 28.6	+1.4
BP09	IPOC Station P	1.42	347	iP	Sn	07 44 47.8	+1.7
BP04	IPOC Station P	1.44	306	ePn	Pn	07 44 27.8	+0.3
BP04	IPOC Station P	1.44	306	ePn	Sn	07 44 46.6	+0.1
BP04	IPOC Station P	1.44	306	iP	Pn	07 44 27.7	+0.3
BP04	IPOC Station P	1.44	306	iP	Sn	07 44 47.1	+0.6
BP04	IPOC Station P	1.44	306	iP	IAML	07 44 52.9	
comp=N,8um,0.4s							
BP10	IPOC Station P	1.56	257	ePn	Pn	07 44 29.2	+0.4
BP10	IPOC Station P	1.56	257	ePn	Sn	07 44 48.7	-0.4
BP10	IPOC Station P	1.56	257	iP	Pn	07 44 29.2	+0.4
BP10	IPOC Station P	1.56	257	iP	Sn	07 44 48.4	-0.7
comp=E,5um,0.7s							
BP07	IPOC Station P	1.71	327	iP	Pn	07 44 31.6	+0.6
BP07	IPOC Station P	1.71	327	iP	Sn	07 44 53.9	+1.1
comp=E,4um,0.2s							
BP14	IPOC Station P	2.00	224	eP	Pn	07 44 35.2	+0.5
BP14	IPOC Station P	2.00	224	eP	Sn	07 45 00.7	+1.2
comp=N,4um,0.3s							
GO02	Mina Guanan	2.07	198	ePn	Pn	07 44 36.4	+0.7
GO02	Mina Guanan	2.07	198	iP	Pn	07 44 36.5	+0.7
GO02	Mina Guanan	2.07	198	iP	Sn	07 45 02.6	+1.3
comp=N,2um,0.2s							
BP02	IPOC Station P	2.07	333	iP	Pn	07 44 36.2	+0.7
BP02	IPOC Station P	2.07	333	iP	Sn	07 45 02.5	+1.5
comp=E,5um,0.4s							
BP01	IPOC Station P	2.20	345	ePn	Pn	07 44 38.0	+0.8
BP01	IPOC Station P	2.20	345	ePn	Sn	07 45 02.0	-1.9
BP01	IPOC Station P	2.20	345	iP	Pn	07 44 38.0	+0.8
BP01	IPOC Station P	2.20	345	iP	Sn	07 45 13.7	
comp=E,2um,0.2s							
BP11	IPOC Station P	3.48	348	ePn	Pn	07 44 53.9	-0.4
MNMC	Minye Minye	4.08	351	ePn	Pn	07 45 02.8	+0.2
LCO	Las Campanas	6.03	195	ePn	Pn	07 45 26.1	-2.9
LPAZ	La Paz	6.89	6	ePn	Pn	07 45 43.3	+2.2
LPAZ	La Paz	6.89	6	ePn	Pn	07 45 42.9	+1.8
GO04	Tololo Observ	7.17	193	ePn	Pn	07 45 41.8	-2.7

comp=Z,1.3nm,1.0s,baz=352,slow=5.0,SNR=4.3  
TOA1 Torodi Ar. Sit 163.30 279 ePKPdf PKPdf 08 05 04.0 -1.3

KRNET 08 07:47:51.5:0.1,43.15N;76.82E,h23km,mb2.4  
SOME 08 07:47:52.7,43.23N;76.75E,h10km  
NMC 08 07:47:52.4:0.5,43.10N;76.81E,h0km,mb2.7,mpv2.8  
Error ellipse: s-maj=4.8km s-min=2.0km az=153.0  
ISC 08 07:47:52.3:0.7,43.15N;0.02-76.83E,0.01,h14km,4km,  
n68,+0574/132,32C-34D,Lake Issyk-Kul region

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, Time Res, ISC, h m s, Res ISC. Lists various seismic stations and their parameters.

Table with columns: KURS, Kuram, Δ°, AZ°, Op, Phase ID, Time Res, ISC, h m s, Res ISC. Lists Kuram station data and other seismic events.

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, Time Res, ISC, h m s, Res ISC. Lists various seismic stations and their parameters.



Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like ASAR, RPZ, CRZL, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like GYA, GYA, GYA, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like HDA, HDA, HDA, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like HVU Hansel Valley, MPU Maple, LRM Limekiln Ridge, etc.

IDC 08 08:10:27.6; 1.6, 10.96S; 164.74E, h0km, mb4.0/4, mb1.4/3.7, mb1mx3.9/3.7, mbtmp4.2/7, ML4.2/3, Error ellipse: s-maj=33.7km s-min=28.0km az=139.0 NEIC 08:10:25.0; 0.8, 10.95S; 164.73E, h10km, mb4.1/3, Error ellipse: s-maj=10.5km s-min=10.5km az=54.0

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like HNR Honiara, HNR Honiara, DZM Mont Dzumac, etc.

Main table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like FITZ Fitzroy Crossi, ILAR Eielson Array, MK32 Makanchi Array, etc.

Table with columns: LZH, comp, Z, 2.5nm, 1.3s, pmax, pmax, and various numerical values. Includes stations like LZH comp=Z,2.5nm,1.3s, LZH comp=Z,89nm,4.3s, etc.

8d 8h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like YKA, YKB5, LTX, TXAR, etc.

IDC 08:08:15:49.9:1.0:97Sx165:30E,h0km,mb4.1/4, mb1 4.4/5, mb1mx3.9/4.5, mbtmp4.2/5, ML4.5/1, Error ellipse: s-maj=54.7km s-min=31.8km az=112.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, STKA, WRA, etc.

IDC 08:23:03:5:6.8,19:11Sx177:26W,h0km,mb4.4/3, mb1 4.6/3, mb1mx3.8/4.9, mbtmp4.4/3, Error ellipse: s-maj=188.4km s-min=109.9km az=140.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA, WRA, ASAR, etc.

IDC 08:24:00:0:0.7, 10:88Sx165:72E,h0km,mb4.3/14, mb1 4.5/16, mb1mx4.2/4.7, mbtmp4.3/16, ML4.9/2, Error ellipse: s-maj=20.1km s-min=16.4km az=116.0, NEIC 08:24:02:5:0.2, 10:92Sx165:78E,h10km,mb4.6/30, Error ellipse: s-maj=6.6km s-min=5.0km az=102.0, ISCBJ 08:24:03:7:0.3, 11:00Sx0:04:165:72E,0.5km,h30km, mb4.5/37, Error ellipse: s-maj=7.8km s-min=5.5km az=2.2

IDC 08:24:05:4:0.5, 10:93Sx0:06:165:66E,0:07,h30km,n70, r13:169,mb4.5/37, Santa Cruz Islands

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR, MARCN, DZM, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PPT2, TAOE, NUKU, etc.

IDC 08:25:08:6:0.9, 11:04Sx164:80E,h0km,mb4.2/10, mb1 4.4/12, mb1mx4.2/4.8, mbtmp4.2/12, ML4.2/2, MS3.7/3, Ms1 3.7/3, ms1mx3.3/2.4, Error ellipse: s-maj=34.8km s-min=18.6km az=132.0, NEIC 08:25:11:1:0.4, 10:96Sx164:78E,h10km,mb4.6/11, Error ellipse: s-maj=9.5km s-min=6.9km az=66.0, ISCBJ 08:25:12:3:0.4, 11:20Sx0:05:164:76E,0:08,h31km, mb4.3/18, MS3.9/4, Error ellipse: s-maj=10.9km s-min=7.3km az=172.6

IDC 08:25:14:1:0.6, 11:00Sx0:08:164:70E,0:10,h31km,n42, r132:38,mb4.3/18, Santa Cruz Islands region

Large table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR, MARCN, DZM, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like H11S2, H11S3, H11S1, etc.

ISCBJ 08:28:34:7:0.5, 16:62N:0:05:94:90W,0:03,h98km,5km, mb3.7/5, Error ellipse: s-maj=8.6km s-min=5.2km az=10.0, NEIC 08:28:36:0:0.0, 16:63N:94:90W,h96km,MD4.2(MEX), After MEX.

IDC 08:28:36:0:0.8, 16:99N:94:57W,h84km,9km,mb3.4/6, mb1 3.6/8, mb1mx3.3/4.6, mbtmp3.7/8, Error ellipse: s-maj=4.9km s-min=10.5km az=35.0, MEX 08:28:36:0:1.2, 16:63N:94:90W,h96km,10km,MD4.2, ISCB 08:28:35:7:0.7, 16:62N:0:04:94:91W,0:03,h93km,6km, n24,r109:42,mb3.6/5, Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CMIG, HUIG, etc.

IDC 08:34:24:0:1.7, 10:60Sx164:97E,h0km,mb3.5/3, mb1 3.8/4, mb1mx3.6/3.2, mbtmp3.6/4, ML3.7/1, Error ellipse: s-maj=57.3km s-min=34.1km az=112.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, H11S2, etc.

IDC 08:36:50:9:1.6, 11:70Sx165:07E,h0km,mb3.7/3, mb1 4.1/4, mb1mx3.7/3.1, mbtmp3.8/4, ML3.7/1, Error ellipse: s-maj=51.5km s-min=30.6km az=129.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, WRA, etc.

MEX 08:39:49:0:8, 15:49N:93:18W,h101km,11km,MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include PCIG, THIG, CCIG, etc.

IDC 08 08:40:53.2±1.6, 11.05S±164.62E, h0km, mb3.6/4, mb1 3.9/5, mb1mx3.7/35, mbtmp3.7/5, ML3.5/1, Error ellipse: s-maj=48.6km s-min=29.1km az=125.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include DZM, WRA, ASAR, ILAR, MKAR, etc.

MEX 08 08:44:47.5±0.4, 16.30N±98.28W, h12km, 4km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include PNIG, VHO, etc.

ISCJB 08 08:47:10.8±0.3, 11.76S±0.07±165.06E±0.07, h10km, mb4.2/22, MS3.5/1, Error ellipse: s-maj=10.7km s-min=7.9km az=17.0

IDC 08 08:47:10.6±0.7, 11.70S±165.12E, h0km, mb4.2/12, mb1 4.4/15, mb1mx4.2/36, mbtmp4.2/15, ML4.1/2, MS3.6/1, Ms1 3.6/1, ms1mx2.9/33, Error ellipse: s-maj=25.9km s-min=17.1km az=136.0

NEIC 08 08:47:12.3±0.3, 11.72S±165.13E, h10km, mb4.5/11, Error ellipse: s-maj=8.2km s-min=6.2km az=134.0

ISC 08 08:47:12.1±0.5, 11.72S±0.08±165.15E±0.09, h10km, n44, ±085/40, mb4.3/22, Santa Cruz Islands

Main table listing station data for Santa Cruz Islands region, including codes like HNR, DZM, WRA, etc., and station names like Honiara, Mont Dzumac, etc.

IDC 08 08:47:53.9±0.8, 10.93S±164.76E, h0km, mb4.3/14, mb1 4.5/16, mb1mx4.3/35, mbtmp4.3/16, ML4.2/2, MS3.7/1, Ms1 3.7/1, ms1mx3.0/36, Error ellipse: s-maj=25.5km s-min=16.5km az=134.0

NEIC 08 08:47:56.2±0.3, 10.84S±164.67E, h10km, mb4.7/4, Error ellipse: s-maj=9.0km s-min=6.8km az=97.0

ISCJB 08 08:47:57.2±0.3, 10.98S±0.05±164.64E±0.06, h29km, mb4.3/16, Error ellipse: s-maj=8.3km s-min=7.1km az=169.5

ISC 08 08:47:59.2±0.5, 10.89S±0.08±164.64E±0.08, h29km, n47, ±149/50, mb4.4/16, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include HNR, MARNC, DZM, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include CTAO, ARMA, STKA, BKZ, WRAB, WB2, WRA, WRA, THZ, T00, ASO1, ASAR, ASAR, BBOO, KNRA, PPT2, PPT2, USRK, PETK, ENH, CMAR, MA2, OHAK, SONM, BRLK, GSPA, HLA, HDL, NV01, NVAR, HVU, MK01, MK1, MKAR, MAZ, BOZ, PDAR, YKA, ARCES, ESDC, etc.

IDC 08 08:50:01.1±1.1, 10.85S±164.71E, h0km, mb4.2/7, mb1 4.4/9, mb1mx4.1/32, mbtmp4.3/9, ML4.2/2, MS4.1/1, Mb1 4.4/11, ms1mx3.1/32, Error ellipse: s-maj=31.4km s-min=22.6km az=109.0

NEIC 08 08:50:02.0±0.6, 10.89S±164.80E, h10km, mb4.3/9, Error ellipse: s-maj=11.7km s-min=8.7km az=59.0

ISCJB 08 08:50:04.0±0.7, 11.03S±0.08±164.73E±0.07, h31km, mb4.2/14, MS4.2/1, Error ellipse: s-maj=13.1km s-min=7.9km az=42.5

ISC 08 08:50:06.0±0.9, 11.05S±0.1±164.80E±0.10, h31km, n32, ±086/30, mb4.3/14, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include HNR, DZM, WRA, STKA, STKA, BKZ, H11N1, H11N2, WRAB, WRA, WRA, ASO1, ASAR, ASAR, BBOO, JNU, SONO, GSPA, ILAR, MK01, MK2, MKAR, H11S2, H11S3, H11S1, WRA, H11N1, H11N2, ASAR, ILAR, etc.

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include MKAR, etc.

IDC 08 08:58:46.0±0.4, 10.92S±164.59E, h0km, mb3.7/4, mb1 3.9/4, mb1mx3.7/29, mbtmp3.7/4, MS3.8/2, Ms1 3.8/2, ms1mx3.1/38, Error ellipse: s-maj=171.1km s-min=32.3km az=136.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include HNR, WRA, ASAR, MA2, ILAR, MKAR, etc.

IDC 08 09:02:08.2±0.2, 11.21S±165.13E, h0km, mb3.3/3, mb1 3.7/4, mb1mx3.5/34, mbtmp3.5/4, ML3.0/1, Error ellipse: s-maj=55.5km s-min=36.5km az=125.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, ISC. Rows include DZM, WRA, ASAR, ILAR, etc.

BUI 08 09:08:59.5±0.1, 10.59S±164.91E, h5km, mb5.8/51, mb5.2/68, Ms5.3/49, Ms7.5/250

IDC 08 09:08:59.4±0.4, 10.94S±164.84E, h0km, mb4.9/26, Mb1 5.0/28, mb1mx4.9/39, mbtmp4.9/28, ML5.0/2, MS4.9/14, Ms1 4.9/14, ms1mx4.6/21, Error ellipse: s-maj=15.8km s-min=11.7km az=91.0

NEIC 08 09:09:00.6±0.1, 10.91S±164.74E, h6km, mb5.3/136, MS5.0/105, MW5.5, Error ellipse: s-maj=3.8km s-min=2.9km az=119.0, Moment Tensor Solution. s51

Moment tensor: Scale 1017 Nm; Mw=0.80, Ms=0.80, Ms1=0.80, Ms2=0.80, Ms3=0.80, Ms4=0.80, Ms5=0.80, Ms6=0.80, Ms7=0.80, Ms8=0.80, Ms9=0.80, Ms10=0.80, Ms11=0.80, Ms12=0.80, Ms13=0.80, Ms14=0.80, Ms15=0.80, Ms16=0.80, Ms17=0.80, Ms18=0.80, Ms19=0.80, Ms20=0.80, Ms21=0.80, Ms22=0.80, Ms23=0.80, Ms24=0.80, Ms25=0.80, Ms26=0.80, Ms27=0.80, Ms28=0.80, Ms29=0.80, Ms30=0.80, Ms31=0.80, Ms32=0.80, Ms33=0.80, Ms34=0.80, Ms35=0.80, Ms36=0.80, Ms37=0.80, Ms38=0.80, Ms39=0.80, Ms40=0.80, Ms41=0.80, Ms42=0.80, Ms43=0.80, Ms44=0.80, Ms45=0.80, Ms46=0.80, Ms47=0.80, Ms48=0.80, Ms49=0.80, Ms50=0.80, Ms51=0.80, Ms52=0.80, Ms53=0.80, Ms54=0.80, Ms55=0.80, Ms56=0.80, Ms57=0.80, Ms58=0.80, Ms59=0.80, Ms60=0.80, Ms61=0.80, Ms62=0.80, Ms63=0.80, Ms64=0.80, Ms65=0.80, Ms66=0.80, Ms67=0.80, Ms68=0.80, Ms69=0.80, Ms70=0.80, Ms71=0.80, Ms72=0.80, Ms73=0.80, Ms74=0.80, Ms75=0.80, Ms76=0.80, Ms77=0.80, Ms78=0.80, Ms79=0.80, Ms80=0.80, Ms81=0.80, Ms82=0.80, Ms83=0.80, Ms84=0.80, Ms85=0.80, Ms86=0.80, Ms87=0.80, 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Table with columns: ID, Name, Time, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes entries like Boulder Array, Pinedale Array, White River Ci, Red Lodge, Eagleton, Albuquerque, etc.

Table with columns: ID, Name, Time, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes entries like Torquay, Nana, Kevo, ARCES Array S, Atavalo, Limon Verde, Corbin Frederi, Binghamton, Mount Denham, Garni, Obninsk, Kislodovsk, La Paz, FIAO, GBTBY, Peaks-Kenny Pk, Boshof, Sutherland, Villa Florida, Presa de San, Santo Domingo, Grand Truck, Kiliwa Mago, Keskin Array S, Keskin Array B, Ankara, Lusaka, Buccovina A, San Juan, Colim, Tsumeb, Brasilia, Kasperke Hory, Geres Array S, Geres Array B, Tsumeb, Brasilia, Kasperke Hory, Geres Array S, Geres Array B, Tsumeb, Brasilia, etc.

Table with columns: Code, Station Name, Time, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and other parameters. Includes entries like IDC 08 09:10:46.5, IDC 08 09:12:37.0, IDC 08 09:12:42.6, IDC 08 09:14:40.5, etc.



8d 10h

Table with columns: KMI, comp, Station Name, Time, Res, Code, Station Name, Az, AzZ, Phase ID, ISC, h, m, s, ISC. Includes stations like Chiang Mai Arr, Hu-ho-hao-te, Chengdu, Lanzhou, Songino Array, etc.

ISCJCB 08 09:28:42.0±0.5, 36°45'N, 103°35'79E±0.03, h6km, 4km, Error ellipse: s-maj=4.6km s-min=3.5km az=4.0 DDA 08 09:28:41.6, 36°48'N, 35°83'E, h7km, 4km, ML3.6 ISK 08 09:28:41.7, 36°48'N, 35°85'E, h15km, ML2.6/15

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like TAHT, YURE, YUREGIR, YAYL, etc.

ISC 08 09:42:15.9±1.5, 15°14'N, 94°85'W, h0km, mb3.8/7,

2013 FEB

mb1.4/1.9, mb1mx3.9/3.4, mbtmp3.8/9, ML3.5/2, MS4.0/1, M1.3/9.1, ms1mx3.0/3.0, Error ellipse: s-maj=36.0km s-min=22.2km az=38.0 NEIC 08 09:42:16.1±0.5, 14°91'N, 94°95'W, h12km, 29km, mb4.0/1, MD4.1 (MEX), Error ellipse: s-maj=23.4km s-min=10.4km az=191.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like HUIG, HUIG, HUIG, CMIG, etc.

MEX 08 09:42:21.6±0.8, 14°32'N, 95°29'W, h10km, MD4.1 ISC 08 09:42:18.1±0.9, 15°01'N, 09°05'02W±0.05, h22km, n29, c165°05, mb4.0/7, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like HUIG, HUIG, HUIG, CMIG, etc.

ISC 08 09:47:52.1±25.0, 11°59S, 165°19E, h0km, mb3.6/3, mb1.3/8.4, mb1mx3.6/36, mbtmp3.7/4, ML3.2/1, Error ellipse: s-maj=438.4km s-min=50.3km az=48.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM, STKA, WRA, ASAR, etc.

ISC 08 09:48:01.3±1.2, 10°34S, 166°29E, h0km, mb3.6/4, mb1.4/0.5, mb1mx3.7/36, mbtmp3.7/5, ML4.1/1, Error ellipse: s-maj=52.8km s-min=25.7km az=135.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM, WRA, ASAR, ILAR, NVAR, etc.

ISC 08 09:51:16.3±7.3, 7°01S, 120°44E, h429km, 30km, mb3.0/6, mb1.3/0.6, mb1mx2.7/41, mbtmp3.7/6, Error ellipse: s-maj=86.4km s-min=84.2km az=142.0, Flores Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like BATI, FITZ, WRA, ASAR, CTA, STKA, etc.

ISC 08 09:58:00.4±1.1, 11°39S, 164°83E, h0km, mb4.0/6, mb1.4/1.7, mb1mx3.8/37, mbtmp3.9/7, ML3.6/1, Error ellipse: s-maj=33.6km s-min=24.3km az=163.0

ISCJCB 08 09:58:03.0±0.9, 11°6S, 01°164°81E±0.09, h34km, mb3.9/6, Error ellipse: s-maj=19.9km s-min=9.7km az=31.9

ISC 08 09:58:05.6±1.0, 11°55S, 01°164°93E±0.1, h34km, n14, c034°9, mb3.8/6, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR, HNR, DZM, H1S2, H1S3, H1S1, WRA, H1N1, H1N3, H1N2, etc.

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Table with columns: ASAR, RAR, FITZ, ILAR, MKAR, etc. Includes station names, times, and residuals.

MEX 08 09:58:17.6±0.5, 14°53'N, 93°25'W, h17km, 810km, MD3.8, Near coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like THIG, THIG, PCIG, CCGI, etc.

ISC 08 09:59:31.1±1.5, 11°24S, 164°86E, h0km, mb3.8/5, mb1.4/0.6, mb1mx3.7/36, mbtmp3.8/6, ML2.9/1, Error ellipse: s-maj=48.2km s-min=28.5km az=121.0

ISCJCB 08 09:59:33.7±1.1, 11°55S, 01°165°0E±0.2, h31km, mb3.8/5, Error ellipse: s-maj=29.5km s-min=18.5km az=176.6

ISC 08 09:59:35.4±1.2, 11°45S, 01°165°0E±0.3, h31km, n12, c120°6, mb3.8/5, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM, H1S2, H1S3, H1S1, WRA, H1N1, H1N2, H1N3, ASAR, etc.

ISC 08 10:06:28.8±2.6, 83°71N, 86°76E, h0km, mb1.2/5.2, mb1mx2.5/37, mbtmp2.5/62, ML2.2/2, Error ellipse: s-maj=25.6km s-min=14.5km az=67.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ZALV, ZALV, ZALV, H46R, MKAR, etc.

MEX 08 10:15:39.0±0.8, 87°14N, 100°53W, h27km, 18km, MD3.7, Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like CAIG, ACP2, ZIIG, ARIG, MEIG, PLIG, etc.

ISCJCB 08 10:20:32.2±1.0, 11°0S, 01°165°6E±0.2, h10km, mb3.8/6, Error ellipse: s-maj=22.1km s-min=18.7km az=169.4

ISC 08 10:20:32.0±1.7, 10°89S, 165°66E, h0km, mb3.6/5, mb1.3/9.6, mb1mx3.7/38, mbtmp3.8/6, ML4.1/1, Error ellipse: s-maj=50.0km s-min=28.2km az=126.0

NEIC 08 10:20:33.8±0.8, 10°87S, 165°64E, h10km, mb4.3/2, Error ellipse: s-maj=18.3km s-min=12.3km az=80.0

ISC 08 10:20:33.8±1.3, 10°95S, 01°165°6E±0.3, h10km, n15, c054°10, mb3.8/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM, DZM, ONTNC, CTA, BKZ, H1N1, H1N3, H1N2, WRA, WRA, WRA, ASAR, ILAR, MKAR, etc.

ISC 08 10:22:59.2±3.6, 10°46S, 164°93E, h0km, mb3.5/4, mb1.3/7.4, mb1mx3.5/36, mbtmp3.5/6, ML3.9/1, Error ellipse: s-maj=155.1km s-min=31.0km az=136.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, WRA, ILAR, MKAR, etc.

ISC 08 10:23:43.0±1.4, 10°97S, 164°67E, h0km, mb3.8/5, mb1.4/1.6, mb1mx3.8/36, mbtmp3.8/6, ML3.9/1, Error ellipse: s-maj=47.2km s-min=27.2km az=136.0

MS3.2/1, Error ellipse: s-maj=25.8km s-min=19.2km  
 az=10.6  
 ISC 08 10:23:47.3±0.1, 111°S, 0°11'16.47E, 0.2±0.29km, n8,  
 #024/6, mb3.7/5, Santa Cruz Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
HNR	Honiara	4.96	289	Op	10 26 52.0	
DZM	Mont Dzumac	11.06	172	Pn	10 26 23.9	+0.1
WRA	Warramunga Arr	30.52	249	P	10 29 58.2	-0.1
GUMO	Guam	31.43	321	LR	10 42 27.7	
ASAR	Alice Springs	31.87	243	P	10 30 10.2	-0.1
ILAR	Eielson Array	83.86	19	P	10 36 13.9	0.0
NVAR	Mina Array Bea	86.82	50	P	10 36 29.4	-0.2
MKAR	Makanchi Array	92.84	317	P	10 36 57.7	+0.3

JMA 08 10:29:05.2, 35°23'N, 137°35'E, h47km, M2.6, 1C-2D  
 Broadband fault plane solution: P waves. NP1:  
 φ<sub>1</sub>=146.0000°, δ<sub>1</sub>=87.0000°, λ<sub>1</sub>=121.0000°  
 φ<sub>2</sub>=242.0000°, δ<sub>2</sub>=332.0000°, λ<sub>2</sub>=6.0000°. Principal axes: T  
 P1g40.000°, Azm85.0000°; N P1g31.0000°  
 Azm324.0000°; P P1g34.0000°, Azm210.0000°; Eastern

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
JAO	Obara	0.08	296	Op	10 29 12.7	0.0
JAO	JAO			S	10 29 18.2	+0.2
JYTA	Yamagatanai	0.62	306	P	10 29 17.9	0.0
JYTA	JYTA			S	10 29 26.7	-0.1
SHZ3	Shizuoka 3	0.72	103	P	10 29 19.0	-0.2
SHZ3	SHZ3			S	10 29 29.4	+0.1
TSUJ	Tsu 2	0.92	236	P	10 29 21.6	-0.2
TSUJ	TSUJ			S	10 29 33.8	-0.2
TK04	Tokai 4	0.95	153	P	10 29 22.4	+0.4
TK04	TK04			S	10 29 35.4	+0.9
JIE	Ise	0.99	213	Op	10 29 22.5	-0.2
JYN	Shimob	1.01	74	Op	10 29 23.6	+0.5
TK02	Tokai 2	1.32	165	eS	10 29 43.9	+0.5
JKG	Kaga	1.33	322	P	10 29 28.2	+0.8
MAT	Matsushiro	1.48	28	P	10 29 30.9	+1.4
MAT	MAT			S	10 29 50.4	+2.7

ISCJB 08 10:46:23.3±0.6, 11°13'S, 0°07'165.74E, 0.0±0.0, h10km,  
 mb4.3/14, Error ellipse: s-maj=12.5km s-min=7.2km  
 az=140.6

IDC 08 10:46:23.3±1.1, 11°04'S, 165°78'E, h0km, mb4.1/9,  
 mb1.4, 3/11, mb1mx4.0/41, mb1mx4.2/11, ML4.4/2, Error  
 ellipse: s-maj=31.6km s-min=21.5km az=124.0

NEIC 08 10:46:24.9±0.5, 11°04'S, 165°78'E, h10km, mb4.8/6, Error  
 ellipse: s-maj=10.3km s-min=6.0km az=66.0

ISC 08 10:46:25.1±0.8, 11°15'S, 0°08'165.8E, 0.1±0.1, h10km, n31,  
 #122/30, mb4.4/14, Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
HNR	Honiara	5.97	286	Op	10 47 54.7	+1.1
HNR	HNR			Pn	10 49 02.2	0.0
MARNC	Mare, Loyalty	10.50	168	ePn	10 48 57.8	+2.0
DZM	Mont Dzumac	10.88	177	ePn	10 49 01.6	+0.5
DZM	DZM			S	10 51 00.3	-2.5
DZM	Mont Dzumac	10.88	177	Pn	10 49 03.3	+2.2
DZM	DZM			S	10 51 00.3	-2.9
ONTNC	Ouen Toro	11.12	177	ePn	10 49 04.8	+0.5
PINNC	Pines Island,	11.52	172	ePn	10 49 11.2	+1.5
CTA	Charters Tower	20.77	242	P	10 51 07.9	-0.9
COEN	Coen	22.23	260	eP	10 51 22.1	0.0
H1S2	WAKE ISLAND Hy	29.46	2	T	11 22 56.9	
H1S3	WAKE ISLAND Hy	29.47	2	T	11 22 58.3	
H1S1	WAKE ISLAND Hy	29.48	2	T	11 23 01.4	
BKZ	Black Stump Fm	29.50	163	eP	10 52 30.5	+0.9
STKA	Stephens Creek	30.38	224	P	10 52 37.5	0.0
H1N1	WAKE ISLAND Hy	30.68	2	T	11 24 22.4	
H1N3	WAKE ISLAND Hy	30.69	2	T	11 24 29.2	
H1N2	WAKE ISLAND Hy	30.70	2	T	11 24 34.0	
THZ	Tophouse	31.14	170	eP	10 52 45.5	+1.4
WB2	Warramunga Arr	31.46	250	eP	10 52 46.8	-0.4
WR1	Warramunga Arr	31.47	250	eP	10 52 47.2	0.0
WR1	Warramunga Arr	31.47	250	ePcP	10 55 40.0	-0.5
WRA	Warramunga Arr	31.47	250	PcP	10 55 40.0	-0.5
TOO	Tooolangi	32.00	211	eP	10 52 53.2	+1.5
ASAR	Alice Springs	32.77	243	P	10 52 58.0	-0.6
ASAR	ASAR			PcP	10 55 43.8	-0.2
FITZ	Fitzroy Crossi	39.37	255	eP	10 53 54.2	-1.0
CMAR	Chiang Mai Arr	72.17	294	P	10 57 50.9	+0.1
SONA0	Songino Array	78.76	324	eP	10 58 27.3	-0.8
SONM	Songino Array	78.76	324	P	10 58 27.3	-0.8
ILAR	Eielson Array	83.60	18	P	10 58 52.9	-0.4
MK32	Makanchi Array	93.61	317	eP	10 59 40.8	-0.9
MKAR	Makanchi Array	93.61	317	P	10 59 40.8	-0.9
ZAA1	Zalesovo Array	93.65	324	eP	10 59 40.9	-0.8
ZALV	Zalesovo Beam	93.65	324	P	10 59 40.9	-0.8

IGIL 08 10:46:34.9, 39°30'N, 13°97'W, h10km  
 MDD 08 10:46:37.6±1.7, 39°35'N, 13°49'W, h0km, mb4.2/5, Error  
 ellipse: s-maj=15.5km s-min=10.9km az=77.0, PPKXIMO

INMG 08 10:46:40.6±2.1, 39°37'N, 13°84'W, h10km, ML2.5, Error  
 ellipse: s-maj=10.7km s-min=6.2km az=77.0

ISC 08 10:46:35.0±0.3, 39°43'N, 0°05'13.3W, 0.2±0.2, h10km, n50,  
 #231/97, North Atlantic Ocean

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
PMAFR	Mafr	3.37	97	Op	10 47 29.9	+2.2
PMAFR	PMAFR			eS	10 48 08.8	+1.0
PMAFR	PMAFR			A	10 48 14.2	
PMAFR	Mafr	3.37	97	Pn	10 47 28.4	+0.8
PMAFR	PMAFR			S	10 48 07.8	+0.1
PCAS	Casmilio, Conde	3.97	79	ePn	10 47 37.6	+1.8
PCAS	PCAS			eS	10 48 21.5	-0.9
PCAS	PCAS			A	10 48 23.7	
PCAS	Casmilio, Conde	3.97	79	Pn	10 47 37.6	+1.8
PCAS	PCAS			Pn	10 48 21.5	-0.9
PTOM	Tomar	4.00	86	ePn	10 47 39.4	+3.1
PTOM	PTOM			eS	10 48 24.5	+1.2
PTOM	PTOM			A	10 48 31.1	
PTOM	Tomar	4.00	86	Pn	10 47 39.4	+3.1
PTOM	PTOM			S	10 48 24.5	+1.2

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
PNCL	Nicolau / Gran	4.16	107	ePn	10 47 39.9	+1.4
PNCL	PNCL			eS	10 48 27.1	-0.1
PNCL	PNCL			A	10 48 32.6	
PNCL	Nicolau / Gran	4.16	107	Pn	10 47 39.9	+1.4
PNCL	PNCL			S	10 48 27.1	-0.1
PMTG	Montargil	4.17	93	ePn	10 47 39.7	+1.0
PMTG	PMTG			eS	10 48 26.9	-0.6
PMTG	PMTG			A	10 48 33.4	
PMTG	Montargil	4.17	93	Pn	10 47 39.7	+1.0
PMTG	PMTG			S	10 48 26.9	-0.6
PTEO	Sao Teotonio	4.25	115	ePn	10 47 40.5	+0.8
PTEO	PTEO			eS	10 48 26.3	-3.0
PTEO	PTEO			A	10 48 30.6	
PTEO	Sao Teotonio	4.25	115	Pn	10 47 40.5	+0.8
PTEO	PTEO			S	10 48 26.3	-3.0
PFVI	Vila Bisbo	4.39	120	ePn	10 47 42.3	+0.7
PFVI	PFVI			eS	10 48 30.8	-2.0
PFVI	Vila Bisbo	4.39	120	Pn	10 47 42.2	+0.6
PFVI	PFVI			S	10 48 30.6	-2.2
MORF	Marletele	4.42	117	eP	10 47 43.1	+1.0
MORF	MORF			ePn	10 47 43.0	+1.0
MORF	MORF			eS	10 48 35.2	+1.5
MORF	Marletele	4.42	117	Pn	10 47 43.0	+1.0
MORF	MORF			S	10 48 35.2	+1.6
MESJ	Messejana	4.49	109	ePn	10 47 44.5	+1.5
MESJ	Messejana	4.49	109	ePn	10 47 44.5	+1.5
MESJ	MESJ			eS	10 48 33.7	-1.5
MESJ	MESJ			A	10 48 39.1	
MESJ	Messejana	4.49	109	Pn	10 47 44.5	+1.5
MESJ	MESJ			S	10 48 33.7	-1.5
EZAM	Zamans	4.59	52	Pn	10 47 47.0	+2.5
EZAM	EZAM			S	10 48 36.6	-1.3
EZAM	EZAM			S	10 48 36.6	-1.3
PESTR	ESTRE	4.69	95	ePn	10 47 47.9	+2.1
PESTR	PESTR			eS	10 48 39.4	-0.9
PESTR	PESTR			A	10 48 45.1	
PCBR	Castelo Branco	4.73	83	ePn	10 47 48.7	+2.4
PCBR	PCBR			eS	10 48 40.4	+0.8
PCBR	PCBR			A	10 48 46.8	
PCBR	Castelo Branco	4.73	83	Pn	10 47 48.7	+2.4
PCBR	PCBR			S	10 48 40.4	+0.8
PGAV	Gaveira, Arco	4.76	56	ePn	10 47 50.7	+3.8
PGAV	PGAV			eS	10 48 35.4	+6.8
PGAV	PGAV			S	10 47 50.7	+3.8
PGAV	PGAV			S	10 48 35.4	+6.8
PMRV	Marv???	4.79	88	ePn	10 47 49.2	+2.0
PMRV	PMRV			eS	10 48 41.7	-1.1
PMRV	PMRV			A	10 48 51.0	
PMRV	Marv???	4.79	88	Pn	10 47 49.2	+2.0
PMRV	PMRV			S	10 48 41.7	-1.1
PCAB	Cabril	4.80	60	ePn	10 47 49.9	+2.5
PCAB	PCAB			eS	10 48 43.1	0.0
PCAB	PCAB			A	10 48 48.9	
PCAB	Cabril	4.80	60	Pn	10 47 49.9	+2.5
PCAB	PCAB			S	10 48 43.1	0.0
POLO	Lamas de Olo	4.82	64	ePn	10 47 50.7	+3.0
POLO	POLO			eS	10 48 41.6	-2.1
POLO	POLO			A	10 48 54.0	
POLO	Lamas de Olo	4.82	64	Pn	10 47 50.7	+3.0
POLO	POLO			S	10 48 41.6	-2.1
ELOB	Lobios	4.85	58	Pn	10 47 49.9	+1.8
ELOB	ELOB			S	10 48 42.8	-1.6
PBDV	Barranco-do-Ve	4.95	114	ePn	10 47 50.7	+1.3
PBDV	PBDV			eS	10 48 44.1	-2.6
PBDV	PBDV			A	10 48 50.0	
PBDV	Barranco-do-Ve	4.95	114	Pn	10 47 50.7	+1.3
PBDV	PBDV			S	10 48 44.1	-2.6
PVAQ	Vaqueiros	5.03	112	ePn	10 47 52.0	+1.6
PVAQ	PVAQ			eS	10 48 47.0	-1.6
PVAQ	PVAQ			A		



Table with columns: Call Sign, Location, Frequency, Power, and other technical details. Includes stations like RPKI, RPZ, RPZ, RPKI, etc.

Table with columns: Call Sign, Location, Frequency, Power, and other technical details. Includes stations like BATI, MIDW, MIDW, SGSI, etc.

Table with columns: Call Sign, Location, Frequency, Power, and other technical details. Includes stations like AIN, AIN, AIN, MLOA, etc.



8d 11h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like HO1W Cape Leeuwin H, TAOE Nuku Hiva Isla, MAJAO Matushiro, etc.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like YSS Yuzh-Sakhalins, YSS Yuzh-Sakhalins, YSS Yuzh-Sakhalins, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like MDJ Mudanjiang, MDJ Mudanjiang, MDJ Mudanjiang, etc.



8d 11h

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DHY	comp=Z,346nm,1.8s		LR	LR					
BWN	comp=Z,130um,21.0s	82.05	18	eP	P	11 24 31.9	-1.1		
BWN	comp=Z,760nm,1.3s								
IRK	comp=Z,103um,20.0s	82.05	327	eP	P	11 24 33.6	+0.3		
IRK									
YLY	comp=Z,280nm,2.6s	82.12	326	eP	P	11 24 32.3	-1.4		
YLY	comp=Z,204nm,0.9s								
TLY	comp=Z,94um,18.0s								
TLY		82.12	326	eP	P	11 24 32.1	-1.6		
TLY		82.12	326	eP	P	11 24 33.4	-0.3		
TLY	SNR=71								
IM3	Indian Mountai	82.19	15	eP	P	11 24 33.5	-0.2		
MCCM	Marconi Confer	82.21	49	PFAKE	LR	11 24 40.0	+5.6		
MCCM									
HARP	comp=Z,75um,20.0s	82.23	21	eP	P	11 24 33.9	-0.1		
HARP	comp=Z,231nm,0.9s								
KCPM	comp=Z,74um,21.0s	82.24	47	PFAKE	LR	11 24 40.0	+5.3		
KCPM									
MLY	comp=Z,60um,19.0s	82.30	17	eP	P	11 24 33.8	-0.5		
MLY	comp=Z,273nm,1.6s								
JCC	comp=Z,85um,22.0s	82.33	46	PFAKE	LR	11 24 40.0	+5.0		
JCC	Jacoby Creek,								
KMRM	comp=Z,46um,19.0s	82.34	47	PFAKE	LR	11 24 40.0	+4.8		
KMRM									
HOPS	comp=Z,89um,20.0s	82.37	48	PFAKE	LR	11 24 40.0	+4.7		
HOPS	Hopland Field								
DIB	comp=Z,55um,20.0s	82.41	32	PFAKE	LR	11 24 40.0	+4.9		
DIB	Dawson Inlet,								
YKJ2	comp=Z,75um,20.0s	82.48	25	PFAKE	LR	11 24 40.0	+4.7		
YKJ2	Yakutat								
LSA	comp=Z,193um,20.0s	82.48	302	P	P	11 24 36.6	-0.1		
LSA	Lhasa					11 24 52.9	-0.9		
LSA	comp=Z,5um,11.6s								
LSA	comp=Z,14um,26.1s								
LSA	comp=Z,9um,24.1s								
LSA	comp=Z,45um,50.2s								
LSA	comp=Z,232nm,1.6s	82.48	302	eP	P	11 24 32.9	-3.7		
LSA	comp=Z,31um,19.0s	82.48	302	eP	P	11 24 36.6	-0.1		
LSA	comp=Z,232nm,1.6s	82.48	302	eP	P	11 24 32.9	-3.7		
LSA	comp=Z,232nm,1.6s								
PAX	comp=Z,31um,19.0s	82.50	20	PFAKE	LR	11 24 50.0	+1.4		
PAX	Paxson								
GDXM	comp=Z,55um,20.0s	82.51	48	eP	P	11 24 33.9	-2.1		
GDXM	Geysers								
KHMM	comp=Z,71um,20.0s	82.56	46	PFAKE	LR	11 24 50.0	+1.4		
KHMM	Horse Mountain								
PCA	comp=Z,51um,20.0s	82.59	24	PFAKE	LR	11 24 50.0	+1.4		
PCA	Pinnacle								
WRH	comp=Z,210um,21.0s	82.68	18	eP	P	11 24 35.3	-1.0		
WRH	Wood River Hill								
SAO	comp=Z,92um,20.0s	82.82	51	eP	P	11 24 36.2	-1.5		
SAO	San Andreas Ge								
SAO	comp=Z,175nm,1.3s								
SAO	comp=Z,127um,21.0s	82.82	51	eP	P	11 24 37.8	+0.1		
SAO	San Andreas Ge								
KEBM	comp=Z,175nm,1.3s	82.88	44	PFAKE	LR	11 24 50.0	+1.2		
KEBM	Edson Butte								
SIT	comp=Z,61um,22.0s	82.98	28	PFAKE	LR	11 24 50.0	+1.2		
SIT	Sitka								
MDM	comp=Z,86um,21.0s	82.99	18	eP	P	11 24 37.9	-0.1		
MDM	Murphy Dome								
MDM	comp=Z,248nm,1.2s								
O02D	comp=Z,84um,20.0s	82.99	47	P	P	11 24 38.4	-0.2		
O02D	Mt. Diablo Mer								
HDA	comp=Z,250	83.00	19	eP	P	11 24 37.6	-0.3		
HDA	Harding Lake								
HDA	comp=Z,258nm,0.9s								
HDA	comp=Z,58um,21.0s	83.00	19	P	P	11 24 36.5	-1.5		
HDA	Harding Lake								
TCOL	comp=Z,226	83.04	18	P	P	11 24 36.5	-1.6		
TCOL	CIGO, UAF Yank								
COLA	comp=Z,226	83.04	18	eP	P	11 24 37.0	-1.1		
COLA	College								
COLA	comp=Z,193nm,0.9s								
COLA	comp=Z,94um,20.0s	83.04	18	eP	P	11 24 35.8	-2.3		
COLA	College								
COLA	comp=Z,242nm,1.2s								
L02E	comp=Z,242nm,1.2s	83.12	45	P	P	11 24 39.5	+0.4		
L02E	Cave Junction								
CRAIG	comp=Z,249	83.21	30	PFAKE	LR	11 24 50.0	+1.1		
CRAIG	Craig								
SNCC	comp=Z,102um,22.0s	83.21	54	PFAKE	LR	11 24 50.0	+1.0		
SNCC	San Nicolas Is								
SNCC	comp=Z,88um,20.0s	83.21	54	P	P	11 24 39.1	-0.6		
SNCC	San Nicolas Is								
RIDG	comp=Z,252	83.22	20	eP	P	11 24 38.8	-0.5		
RIDG	Independ'e Rid								
RIDG	comp=Z,598nm,1.6s								
J01E	comp=Z,127um,21.0s	83.26	44	P	P	11 24 39.2	-0.5		
J01E	Myrtle Point								
IL1	comp=Z,248	83.27	18	eP	P	11 24 39.1	-0.3		
IL1	Eielson Array								
ILAR	comp=Z,251nm,1.5s	83.27	18	P	P	11 24 38.4	-0.9		
ILAR	Eielson Array								
ILAR	comp=Z,1.1nm,0.6s,baz=357,slow=2.3,SNR=1.1					11 51 01.1	-1.2		
ILAR	comp=Z,1.0nm,1.0s,baz=352,slow=3.3,SNR=4.4					11 59 48.9			
ILB	comp=Z,42um,18.8s,baz=237,slow=34	83.27	18	eP	P	11 24 39.2	-0.1		
ILB	Eielson Array								
K02D	comp=Z,251nm,1.5s	83.27	44	P	P	11 24 39.1	-0.9		
K02D	Willamette Mer								
WDC	comp=Z,249	83.30	47	eP	P	11 24 40.2	+0.2		
WDC	Whiskeytown Da								
WDC	comp=Z,272nm,1.5s								
WDC	comp=Z,71um,19.0s	83.30	47	eP	P	11 24 40.7	+0.6		
WDC	Whiskeytown Da								
N02D	comp=Z,251nm,1.5s	83.33	46	P	P	11 24 39.9	-0.4		
N02D	Trinity Center								
POKR	comp=Z,250	83.34	18	P	P	11 24 39.7	0.0		
POKR	Poker Plat Res								
SC2Z	comp=Z,252	83.35	54	P	P	11 24 39.2	-1.3		
SC2Z	Santa Cruz Isl								
M02C	comp=Z,252	83.37	46	P	P	11 24 40.4	-0.1		
M02C	Callahan								
PAGB	comp=Z,249	83.41	52	PFAKE	LR	11 24 50.0	+9.2		
PAGB	Antelope Grade								
DOT	comp=Z,93um,19.0s	83.42	20	PFAKE	LR	11 24 50.0	+1.0		
DOT	Dot Lake								
SBC	comp=Z,73um,22.0s	83.42	53	P	P	11 24 42.1	+1.2		
SBC	Santa Barbara								

SMCM	comp=Z,252	83.47	52	P	P	11 24 39.6	-1.5		
SMCM	Simmler								
PKM	comp=Z,252	83.48	53	P	P	11 24 39.5	-1.9		
PKM	McPherson Peak								
MOY	comp=Z,252	83.58	325	eP	P	11 24 40.4	-1.0		
MOY	Mondy								
YBH	comp=Z,390nm,2.9s	83.59	46	eP	P	11 24 40.6	-1.1		
YBH	Yreka Blue Hor								
YBH	comp=Z,276nm,1.5s								
YBH	comp=Z,67um,20.0s	83.59	46	eP	P	11 24 40.5	-1.1		
YBH	Yreka Blue Hor								
YBH	comp=Z,111nm,1.0s,baz=232,slow=1.6,SNR=18	83.59	46	eP	P	11 24 41.4	-0.3		
YBH	Yreka Blue Hor								
YCRH	comp=Z,370nm,1.3s	83.67	20	eP	P	11 24 41.2	-0.3		
YCRH	Sand Creek								
SCRK	comp=Z,94um,21.0s	83.71	48	eP	P	11 24 41.0	-1.1		
SCRK	Oroville								
ORV	comp=Z,270nm,1.6s	83.71	48	eP	P	11 24 41.0	-1.1		
ORV	Oroville								
ORV	comp=Z,35um,22.0s	83.71	48	eP	P	11 24 41.9	-0.3		
ORV	Oroville								
HUMO	comp=Z,121nm,1.0s	83.72	45	eP	P	11 24 42.3	+0.1		
HUMO	Hull Mountain								
HUMO	comp=Z,59um,19.0s	83.74	47	P	P	11 24 40.1	-2.4		
HUMO	Paynes Creek								
BLG	comp=Z,250	83.83	54	P	P	11 24 40.6	-2.4		
BLG	Laguna Peak, P								
I03D	comp=Z,252	83.85	43	P	P	11 24 41.1	-1.7		
I03D	Drain, OR								
AFDM	comp=Z,249	83.89	49	eP	P	11 24 43.0	-0.2		
AFDM	Forest Hills D								
AFDM	comp=Z,217nm,1.3s								
AFDM	comp=Z,47um,20.0s	83.92	55	P	P	11 24 41.9	-1.5		
AFDM	San Clemente I								
SESE	comp=Z,253	84.01	27	PFAKE	LR	11 24 50.0	+6.6		
SESE	Bessie Mountai								
CMB	comp=Z,130um,20.0s	84.03	50	eP	P	11 24 44.6	+0.6		
CMB	Columbia Colle								
CMB	comp=Z,169nm,1.4s								
CMB	comp=Z,106um,20.0s	84.03	50	eP	P	11 24 43.6	-0.3		
CMB	Columbia Colle								
L04D	comp=Z,250	84.04	45	P	P	11 24 42.3	-1.7		
L04D	Klamath Falls								
JIS	comp=Z,250	84.06	27	PFAKE	LR	11 24 50.0	+6.5		
JIS	Juneau Island								
JIS	comp=Z,136um,21.0s	84.06	29	PFAKE	LR	11 24 50.0	+6.5		
JIS	Wrangell Islan								
WRAK	comp=Z,92um,20.0s	84.06	16	eP	P	11 24 41.8	-1.6		
WRAK	Coldfoot								
WRAK	comp=Z,43nm,1.1s								
COLD	comp=Z,103um,21.0s	84.12	24	eP	P	11 24 43.5	-0.5		
COLD	Haines Junctio								
HYT	comp=Z,253	84.14	55	P	P	11 24 45.3	+0.7		
HYT	Catalina Inlet								
CIS	comp=Z,253	84.20	18	eP	P	11 24 43.5	-0.8		
C									

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BC3	Big Chuckawall baz=255	86.59	55	P	P	11 24 56.2	-0.7		
I07A	Izeze	86.59	44	eP	LR	11 24 56.5	-0.2		
I07A	comp=Z,90um,20.0s								
WVOR	Wild Horse Val comp=Z,275nm,1.5s	86.68	46	eP	P	11 24 54.6	-2.6		
WVOR	comp=Z,6.1um,20.0s				LR				
WVOR	Wild Horse Val	86.68	46	eP	P	11 24 57.0	-0.2		
WVOR	Turquoise Moun	86.69	53	P	P	11 24 57.7	+0.3		
GMRC	Granite Mounta baz=254	86.73	54	P	P	11 24 57.2	-0.4		
B06A	Marblemount	86.77	39	PFAKE	LR	11 25 10.0	+1.3		
B06A	comp=Z,76um,21.0s								
PALK	Pallekele	86.78	278	eP	P	11 24 54.5	-3.7		
PALK	comp=Z,161nm,1.1s				LR				
PALK	comp=Z,17um,20.0s				LR				
PALK	Pallekele SNR=19	86.78	278	iP	P	11 25 00.2	+2.0		
PALK	Pallekele	86.78	278	eP	P	11 24 58.5	+0.3		
PKI	Pulchoki	86.78	299	eP	P	11 24 57.0	-1.3		
PKIN	Pulchoki	86.79	299	eP	P	11 24 57.0	-1.2		
TPNV	Topopah Spring comp=Z,356nm,1.9s	86.85	52	eP	P	11 24 54.7	-3.5		
TPNV	comp=Z,110um,22.0s				LR				
TPNV	Topopah Spring	86.85	52	eP	Pmax	11 24 54.7	-3.5		
TPNV	comp=Z,356nm,1.9s				MLR				
TPNV	comp=Z,110um,22.0s				MLR				
TPNV	Topopah Spring baz=254	86.85	52	P	P	11 24 56.1	-2.1		
LTY	Liberty comp=Z,158nm,1.4s	86.86	41	eP	P	11 24 56.8	-1.1		
LTY	comp=Z,72um,20.0s				LR				
F07A	Phinny Hill VI	86.89	42	eP	P	11 24 56.0	-1.9		
F07A	comp=Z,124nm,1.2s				LR				
C06D	Leavenworth baz=250	86.94	40	P	P	11 24 59.5	+1.3		
GLA	Glamis	86.94	56	eP	P	11 24 57.2	-1.4		
GLA	comp=Z,209nm,1.2s				LR				
GLA	comp=Z,90um,18.0s				LR				
GLA	Glamis	86.94	56	eP	Pmax	11 24 57.2	-1.4		
GLA	comp=Z,209nm,1.2s				MLR				
GLA	comp=Z,90um,18.0s				MLR				
GLA	Glamis baz=255	86.94	56	P	P	11 24 57.2	-1.4		
KKN	Kakani	86.94	299	eP	P	11 24 57.5	-1.4		
H06S1	SOCORRO T	86.96	70	T	T	13 01 06.4			
IRM	Iron Mountain baz=255,SNR=7.5	86.97	55	P	P	11 24 55.6	-3.1		
DMN	Daman	87.05	299	eP	P	11 24 57.9	-1.6		
J06A	Circle Bar Ran comp=Z,181nm,1.4s	87.08	45	eP	P	11 24 58.0	-1.1		
J08A	comp=Z,49um,22.0s				LR				
BMN	Battle Mountai	87.10	48	PFAKE	LR	11 25 10.0	+1.1		
BMN	comp=Z,31um,20.0s				LR				
LDFC	Landfair	87.24	54	PFAKE	LR	11 25 10.0	+1.0		
LLBL	comp=Z,61um,19.0s				LR				
LLBL	Lilicoet comp=Z,149nm,1.5s	87.26	37	eP	P	11 24 57.5	-2.2		
LLBL	comp=Z,149nm,1.5s				LR				
HAWA	comp=Z,135um,21.0s				LR				
HAWA	Hanford comp=Z,238nm,1.5s	87.31	42	eP	P	11 24 57.8	-2.1		
HAWA	comp=Z,65um,20.0s				LR				
G08A	Pilot Rock	87.34	43	eP	P	11 24 58.5	-1.8		
G08A	comp=Z,65um,21.0s				LR				
Y12C	Blythe	87.36	55	eP	P	11 24 58.7	-1.8		
Y12C	comp=Z,150nm,1.1s				LR				
Y12C	Blythe	87.36	55	P	P	11 25 01.8	+1.2		
Y12C	comp=Z,77um,20.0s				LR				
NEE2	Needles Airpor baz=255	87.55	54	P	P	11 24 59.8	-1.6		
EPYK	Eagle Plains	87.56	20	eP	P	11 24 59.7	-1.1		
EPYK	comp=Z,222nm,1.3s				LR				
EPYK	comp=Z,63um,20.0s				LR				
EPYK	Eagle Plains baz=236	87.56	20	P	P	11 25 01.7	+0.9		
SHPR	Sheep Range comp=Z,464nm,1.9s	87.57	52	eP	P	11 24 59.7	-2.0		
SHPR	comp=Z,69um,22.0s				LR				
E08A	Dider Farm, EI comp=Z,310nm,1.5s	87.65	42	eP	P	11 25 00.7	-0.9		
E08A	comp=Z,56um,20.0s				LR				
SRIG	Santa Rosalia	87.72	62	PFAKE	LR	11 25 10.0	+7.7		
SRIG	comp=Z,62um,21.0s				LR				
113A	Mohawk Valley,	87.73	56	PFAKE	LR	11 25 10.0	+7.7		
113A	comp=Z,105um,19.0s				LR				
R11A	Troy Canyon, C comp=Z,150nm,1.5s	87.74	50	eP	P	11 25 00.7	-1.8		
R11A	comp=Z,120um,21.0s				LR				
R11A	Troy Canyon, C baz=254	87.74	50	P	P	11 25 01.8	-0.7		
PDMC1	Parker Dam,Lak baz=255	87.81	55	P	P	11 25 01.3	-1.3		
D08A	Wollman Farm, comp=Z,149nm,1.4s	87.92	41	eP	P	11 25 01.7	-1.2		
D08A	comp=Z,82um,20.0s				LR				
B08A	Colville Reser comp=Z,124nm,1.4s	88.07	40	eP	P	11 25 01.4	-2.2		
B08A	comp=Z,28um,19.0s				LR				
W13A	Hualapai Mount comp=Z,43um,19.0s	88.22	54	PFAKE	LR	11 25 10.0	+5.1		
W13A	comp=Z,316nm,1.8s				LR				
E09A	Wood Farm, Sta comp=Z,316nm,1.8s	88.26	42	eP	P	11 25 03.9	-0.6		
E09A	comp=Z,73um,20.0s				LR				
214A	Organ Pipe Nat baz=255	88.32	57	P	P	11 25 04.1	-1.1		
BMO	Blue Mountains comp=Z,234nm,1.6s	88.33	44	eP	P	11 25 04.0	-1.0		
BMO	comp=Z,70um,22.0s				LR				
BMO	MDRS comp=Z,362nm,2.0s	88.33	44	eP	P	11 25 04.3	-0.7		
BMO	MDRS	88.36	284	eP	Iamb	11 25 03.7	-1.9		
DANN	Dangasing comp=Z,65nm,1.1s	88.38	299	eP	P	11 25 03.4	-2.5		
K0LN	Koldanda	88.39	299	eP	P	11 25 03.3	-2.5		
C09A	Chrisman Ranch comp=Z,39nm,1.4s	88.57	41	PFAKE	LR	11 25 20.0	+1.4		
C09A	comp=Z,73um,20.0s				LR				
Y14A	Wickenburg comp=Z,98nm,1.3s	88.64	55	eP	P	11 25 05.5	-1.2		
Y14A	comp=Z,80um,21.0s				LR				
ELK	Elko comp=Z,174nm,1.5s	88.64	48	eP	P	11 25 05.6	-1.2		
ELK	comp=Z,46um,21.0s				LR				
ELK	Elko	88.64	48	eP	P	11 25 06.5	-0.3		
F10A	Beach Ranch, E comp=Z,721nm,2.0s	88.71	43	eP	P	11 25 06.1	-0.7		
F10A	comp=Z,61um,21.0s				LR				
SLBS	Sierra La Lagu comp=Z,149nm,1.4s	88.94	66	eP	P	11 25 08.3	-0.1		

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SLBS	comp=Z,48um,18.0s				LR				
PYUN	Piuthan	88.99	299	eP	P	11 25 05.6	-3.1		
PSUT	Pine Spring comp=Z,331nm,1.2s	89.10	51	eP	P	11 25 05.8	-3.1		
PSUT	comp=Z,104um,21.0s				LR				
WMQ	Urumqi	89.16	315	P	P	11 25 07.9	-1.0		
WMQ	comp=Z,69nm,1.2s				pP				
WMQ	comp=Z,14.9				sP	11 25 14.9	+0.6		
WMQ	comp=Z,8.1um,22.0s				pP	11 25 20.2	+7.4		
WMQ	comp=Z,28um,22.0s				PP	11 28 42.2	+2.8		
WMQ	comp=Z,11.35				SKS	11 35 35.3	-3.5		
WMQ	comp=Z,11.35				SKS	11 35 54.4	-3.5		
WMQ	comp=Z,11.41				SS	11 41 51.2	-0.8		
WMQ	comp=Z,310nm,1.3s				SS				
WMQ	comp=Z,6um,6.5s				pmax				
WMQ	comp=Z,9.91um,22.7s				pmax				
WMQ	comp=Z,90um,20.5s				LR				
WMQ	comp=Z,1.48um,27.3s				LR				
WMQ	Urumqi	89.16	315	eP	P	11 25 04.7	-4.2		
WMQ	comp=Z,294nm,1.4s				LR				
WMQ	comp=Z,57um,21.0s				LR				
WMQ	Urumqi	89.16	315	eP	P	11 25 04.7	-4.2		
WMQ	comp=Z,294nm,1.4s				Pmax				
WMQ	comp=Z,57um,21.0s				MLR				
LCMT	Little Creek M comp=Z,151nm,1.2s	89.19	52	eP	P	11 25 05.5	-3.8		
LCMT	comp=Z,45um,20.0s				LR				
HSIG	HSIG	89.21	60	PFAKE	LR	11 25 20.0	+1.1		
HSIG	comp=Z,53um,20.0s				LR				
CCUT	Cedar City comp=Z,168nm,1.3s	89.23	52	eP	P	11 25 07.2	-2.4		
CCUT	comp=Z,102um,22.0s				LR				
NEW	Newport	89.44	41	eP	P	11 25 09.5	-0.6		
NEW	comp=Z,54um,20.0s				LR				
NEW	Newport	89.44	41	eP	P	11 25 09.5	-0.6		
NEW	Newport	89.44	41	P	P	11 25 10.2	+0.1		
SZCU	Shurtz Canyon baz=253	89.45	52	PFAKE	LR	11 25 20.0	+9.3		
SZCU	comp=Z,91um,22.0s				LR				
KNB	Kanab	89.52	52	eP	P	11 25 09.3	-1.6		
KNB	comp=Z,671nm,1.6s				LR				
KNB	Kanab	89.52	52	eP	P	11 25 11.2	+0.3		
INK	Inuvik	89.65	19	eP	P	11 25 08.8	-1.7		
INK	comp=Z,74nm,1.3s				LR				
INK	comp=Z,91um								

8d 11h

Table with columns for call sign, frequency, power, and other technical details. Includes entries like MVCO Mesa Verde, PV02 Paradox Valley, and many others.

2013 FEB

Table with columns for call sign, frequency, power, and other technical details. Includes entries like SHLS Shalkode, GOA UZB Uzynbulak, and many others.

700

Table with columns for call sign, frequency, power, and other technical details. Includes entries like MDOK MDOK, KURK Kurchatov, and many others.

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Table with columns for call sign, frequency, power, and other technical details. Includes stations like 833A, ARSB, ABTX, MNAS, GO10, FFC, FFC, GO09, KVTX, U32A, WMOK, MDND, 435B, 435B, SUSD, GAR, WHTX, WHTX, KK31, KK31, KKAR, KKAR, BGNE, BGNE, KBL, BVA0, BVA0, BVAR, BVAR, BRVK, BRVK, BRVK, BRVK, KSU1, KSU1, ECSD, ECSD, RES, RES, TUL1, TUL1, X37A, X37A, MRIV, MRIV, PAYG, PAYG, ULM, ULM, ULM, ULM, ULM, ULM, NATX, NATX, CCGI, CCGI, W39A, W39A, RER, RER, MIAR, MIAR, SCIA, SCIA, Z41A, Z41A, X40A, X40A, SPMN, SPMN, UALR, UALR, W41B, W41B, E38A, E38A, EYMN, EYMN, I39A, I39A, CCM, CCM.

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Table with columns for call sign, frequency, power, and other technical details. Includes stations like L40A, T42A, GO06, X43A, N41A, EFI, VBMS, PBMO, FVM, G40A, P42A, JFWS, SLM, I41A, MET, H41A, L42A, PVM0, C40A, COWI, OXF, F41A, HDIL, SIUC, I42A, TULEG, Q44A, D41A, H42A, G42A, ARU, ARU, ARU, ARU, ARU, ARU, TGUH, AB31, T45A, K43A, L47A, M44A, OLIL, H43A, G43A, PLAL, P45A, WWT, USIN, E43A, AKTO, AKTO, AKTO, SFIN, BRAL, X48A, LRL, WSRAR, WSRAR.

8d 11h

Table with columns for call sign, frequency, power, and other technical details. Includes stations like WSRAR, V48A, BLO, M46A, ROC1, JTS, PEL, WCI, Y49A, 250A, GEYT, GYAOB, KBS, 250A, SPITS, 451A, T49A, HDC, HOPEN, ESPN, GLMI, W50A, M48A, 352A, X51A, GO04, O49A, 152A, N49A, HSPB, AAM, MDH, HOPE, UOSS, HATD, 253A, Y52A, ASHO, TKL, S51A, ABPO, ALNE, V52A, M50A, FAQ, OPO, KIRV, TIGA, ACCO, P51A, GOGA, ASUD, V53A, 555A, NNA, PRGR.





NC303	NORSAR Array S	126.40 345	ePKPdf	PKIKP	11 31 18.0 +1.8
SVSK	Karacayir	126.53 312	eP	PKIKP	11 31 20.4 +3.3
AKN	Aaknes	126.57 348	ePKPdf	PKPdf	11 31 14.3 -1.8
DARE	Darende-Malaty	126.58 310	eP	PKIKP	11 31 18.8 +1.4
N2B2	NORSAR Subarrat	126.60 345	ePKPdf	PKPdf	11 31 14.6 -1.6
comp-Z,55nm,1.1s,baz=34,slow=2.0					
NB2	NORSAR Subarrat	126.60 345	ePKPdf	PKPdf	11 31 14.6 -1.6
comp-Z,53nm,2.0					
NB20A	NORSAR Array S	126.60 345	ePKPdf	PKPdf	11 31 14.6 -1.6
NOA	NORSAR Array S	126.60 345	ePKPdf	PKPdf	11 31 14.6 -1.6
comp-Z,2.2nm,0.6s,baz=51,slow=1.9,SNR=8.8					
SIM	Simferopol	126.70 319	ePKIKP	PKIKP	11 31 23.2 +5.9
SIM			pmax	pmax	
SIM			MLR	MLR	
comp-Z,2.2um,12.3s					
NC602	NORSAR Array S	126.78 345	ePKPdf	PKPdf	11 31 14.6 -1.9
KVT	Kavak	126.84 314	eP	PKIKP	11 31 19.5 +1.8
NAO01	NORSAR Array S	126.85 345	ePKPdf	PKPdf	11 31 12.2 -4.4
NAO01			ePKPdf	PKIKP	11 31 17.9 +0.8
AKASG	Malin Array Be	126.86 327	ePKP	PKPdf	11 31 15.3 -1.6
comp-Z,1.9nm,0.7s,baz=56,slow=2.3,SNR=11			PP	PP	11 33 13.7 -0.3
AKASG			PP	PP	
comp-Z,3.5nm,0.8s,baz=51,slow=6.5,SNR=2.2					
AKBB	Malin Array Si	126.86 327	ePKIKP	PKIKP	11 31 18.3 +0.9
AKBB			LR	LR	
comp-Z,5.4um,22.0s					
KIEV	Kiev	126.87 327	ePKPdf	PKIKP	11 31 18.3 +0.9
KIEV			PKIKP	PKIKP	
comp-Z,5.0um,21.0s					
KIEV	Kiev	126.87 327	eP	PKPdf	11 31 17.0 +0.1
KIEV	Kiev	126.87 327	eP	PKIKP	11 31 20.6 +3.2
SNR=11					
KIEV	Kiev	126.87 327	ePKIKP	PKPdf	11 31 14.9 -2.0
KIEV			MLR	MLR	
comp-Z,4.8um,20.0s					
AK11	Malin Array Si	126.90 327	ePKPdf	PKPdf	11 31 14.4 -2.6
PBUR	Paburg	126.99 336	eP	PKIKP	11 31 22.9 +5.4
PBUR			IAMB	IAMB	11 31 22.9 +5.4
comp-Z,1.60nm,1.0s					
SNOP	Sinop	127.10 315	PFAKE	LR	11 31 30.0 +1.2
SNOP			LR	LR	
comp-Z,2.5um,22.0s					
ANKE	Ethiopia-Afar	127.17 274	eP	PKIKP	11 31 22.6 +3.1
ANKE			eP	PKIKP	11 41 37.9 +5.5
GAZ	Gaziantep	127.18 309	eP	PKIKP	11 31 23.2 +4.6
KMRS	Kahramanmaraş	127.33 309	eP	PKIKP	11 31 19.9 +1.1
DESE	Desse	127.42 276	eP	PKIKP	11 31 33.7 +1.4
DESE			SS	SS	11 40 22.0 -2.0
LBTE	Lobatse	127.45 227	ePKPdf	PKPdf	11 31 17.0 -2.0
LBTE	Lobatse	127.45 227	ePKIKP	PKPdf	11 31 17.0 -2.0
LBTE	Lobatse	127.45 227	ePKP	PKPdf	11 31 17.8 -1.2
comp-Z,8.4nm,1.0s,baz=165,slow=3.5,SNR=4.6					
HYA	Hoyanger	127.65 348	ePKPdf	PKIKP	11 31 16.1 -2.0
KMBO	Kilima Mbogo	127.67 260	ePKP	PKIKP	11 31 19.4 -0.5
KMBO			LR	LR	
comp-Z,2.4um,19.0s					
KMBO	Kilima Mbogo	127.67 260	ePKP	PKIKP	11 31 19.4 -0.5
KMBO			PP	PP	11 33 28.3 +7.1
comp-Z,1.2nm,1.2s,baz=98,slow=8.3,SNR=3.1					
BNN	Bunyan	127.72 311	eP	PKIKP	11 31 22.7 +3.0
SUW	Suwali	127.82 333	ePKP	PKIKP	11 31 22.8 +3.6
SUW			SSS	SSS	11 55 25.5 +1.5
SUW			LMZ	LMZ	12 26 00.5
comp-Z,4.8um,22.1s					
SUW	Suwali	127.82 333	PFAKE	LR	11 31 30.0 +1.1
SUW			LR	LR	
comp-Z,5.3um,19.0s					
SUW	Suwali	127.82 333	ePKIKP	PKIKP	11 31 22.8 +3.6
SUW			eSS	eSS	11 50 33.5 +1.5
comp-Z,2.4um,22.1s					
MATP	Matopo	127.90 233	ePKIKP	PKPpre	11 31 14.8
comp-Z,7.2nm,1.0s,baz=126,slow=1.9,SNR=5.8					
MATP			ePKP	PKPdf	11 31 18.9 -1.1
comp-Z,7.4nm,1.0s,baz=131,slow=2.7,SNR=9.2					
MATP			SKP	SKP	11 34 53.2
comp-Z,9.6nm,0.9s,baz=149,slow=4.5,SNR=4.3					
SUE	Sulen	128.04 349	ePKPdf	PKPdf	11 31 17.1 -1.7
AAE	Adis Abeba	128.06 273	eP	PKIKP	11 31 24.1 +2.9
FURI	Furi	128.13 273	PFAKE	LR	11 31 30.0 +8.6
FURI			LR	LR	
comp-Z,2.2um,21.0s					
KOZT	Kozan	128.15 309	eP	PKIKP	11 31 20.1 -0.3
TAHT	Tahtakopru-Hat	128.19 308	eP	PKIKP	11 31 17.3 -2.6
KONO	Kongsberg	128.21 345	PFAKE	LR	11 31 30.0 +1.0
KONO			LR	LR	
comp-Z,3.0um,20.0s					
KONO	Kongsberg	128.21 345	ePKIKP	PKIKP	11 31 16.1 -3.1
KONO	Kongsberg	128.21 345	ePKPdf	PKIKP	11 31 18.1 -1.1
CEYT	Ceyhan	128.35 309	ePKP	PKIKP	11 31 18.6 -1.6
ILGA	Ilgaz	128.50 314	PFAKE	LR	11 31 30.0 +8.7
ILGA			LR	LR	
comp-Z,3.3um,20.0s					
BER	Bergen	128.54 348	ePdif	Pdif	11 28 02.2 -2.7
BER			ePP	PP	11 33 24.6 +0.1
ASF	Jabal al Asfar	128.67 303	ePKP	PKIKP	11 31 28.1 +6.4
ASF	Jabal al Asfar	128.67 303	ePKP	PKIKP	11 31 20.7 -0.4
comp-Z,2.5nm,0.6s,baz=135,slow=1.4,SNR=2.5					
ASF			PP	PP	11 33 35.2 +8.1
comp-Z,2.4nm,1.2s,baz=73,slow=2.0,SNR=3.3					
ODD1	Odida	128.69 347	ePKP	PKIKP	11 31 17.9 -2.3
BR101	Keskin Array S	129.04 313	ePKPdf	PKIKP	11 31 20.8 -0.8
BR101			PP	PP	11 33 30.5 +1.4
BR131	Keskin Array S	129.04 313	ePKPdf	PKIKP	11 31 17.8 -3.8
BRTR	Keskin Array B	129.04 313	ePKP	PKIKP	11 31 20.8 -0.8
comp-Z,3.3nm,0.9s,baz=115,slow=1.6,SNR=6.9					
BRTR			PP	PP	11 33 30.5 +1.4
comp-Z,6.2nm,1.1s,baz=100,slow=6.0,SNR=3.1					
KIS	Kishinev	129.04 323	ePKP	PKIKP	11 31 24.0 +2.1
KIS	Kishinev	129.04 323	ePP	PP	11 33 35.0 +6.5
comp-Z,2.0um,16.0s					
KIS	Kishinev	129.04 323	ePKS	PKSbc	11 34 50.0 +6.5
KIS	Kishinev	129.04 323	ePKS	PKSbc	11 36 36.0
KIS	Kishinev	129.04 323	ePKS	PKSbc	11 38 28.0 -1.3
KIS	Kishinev	129.04 323	ePKIKP	PKIKP	11 41 00.0 -2.9
KIS	Kishinev	129.04 323	ePKP	PKIKP	11 40 22.0 +1.4
KIS	Kishinev	129.04 323	ePKIKP	PKIKP	11 31 24.0 +2.1
KIS			e	e	11 31 31.0
KIS			e	e	11 33 35.0
KIS			e	e	11 38 28.0
KIS			e	e	11 45 16.0
comp-Z,2.2um,16.0s					
SJG	San Juan	129.12 76	PFAKE	LR	11 31 30.0 +7.2
SJG			LR	LR	
comp-Z,1.4um,20.0s					
SJG	San Juan	129.12 76	eP	PKIKP	11 31 27.7 +4.9
SJG	San Juan	129.12 76	eP	PKIKP	11 31 27.7 +4.9
BLSS	Blasjo	129.17 347	ePKPdf	PKIKP	11 31 19.8 -2.1
HUMP	Col San Antoni	129.41 75	ePKPdf	PKIKP	11 31 19.8 -2.9
HUMP			LR	LR	
comp-Z,1.8um,22.0s					
KSDI	Kefar Szold	129.45 304	P	PKIKP	11 31 27.8 +4.7
ANTO	Ankara	129.59 313	PFAKE	LR	11 31 30.0 +6.7
ANTO			LR	LR	
comp-Z,2.2um,22.0s					
ANTO	Ankara	129.59 313	eP	PKIKP	11 31 24.7 +1.4
ANTO	Ankara	129.59 313	ePKIKP	PKIKP	11 31 24.7 +1.4
KMY	Karmoy	129.62 347	ePKPdf	PKIKP	11 31 19.8 -2.1
MTP	Monte Pirata	129.69 76	PFAKE	LR	11 31 30.0 +6.0
MTP			LR	LR	
comp-Z,2.2um,22.0s					
MMAI	Mount Meron Ar	129.70 304	ePKIKP	PKPpre	11 31 17.2
comp-Z,1.2nm,0.5s,baz=315,slow=57,SNR=2.3					
MMAI			ePKP	PKPdf	11 31 22.0 -1.0
comp-Z,1.2nm,0.3s,baz=276,slow=3.3,SNR=6.4					
MMAI			PP	PP	11 33 37.5 +3.8
comp-Z,1.4nm,0.5s,baz=108,slow=4.7,SNR=3.4					
MMAI			SKP	SKP	11 34 52.0
comp-Z,1.6nm,0.9s,baz=48,slow=5.0,SNR=6.7					
WALJ	Wala	129.70 302	P	PKIKP	11 31 30.5 +6.8
MMLI	Mount Malkishu	129.82 303	P	PKIKP	11 31 27.7 +3.7
MMLI			PKIKP	PKIKP	
comp-Z,105nm,1.0s					
SNART	Snartem	129.96 346	ePKP	PKIKP	11 31 20.9 -1.7
GHAJ	Ghor Haditha	129.96 302	ePKP	PKIKP	11 31 26.8 +2.6
GHAJ	Ghor Haditha	129.96 302	ePKP	PKIKP	11 31 26.8 +2.6
JDRJ	Daraweish	130.00 301	P	PKIKP	11 31 31.6 +7.1
LVV	L'vov	130.09 329	ePKIKP	PKIKP	11 31 26.2 +2.3

LVV					11 38 29.1
LVV					11 43 41.5
LVV					11 51 28.4 +2.8
BSD	Bornholm Skovb	130.35 339	ePKP	PKIKP	11 31 29.8 +5.6
comp-Z,49um,19.0s					
BEL	Belsk	130.36 332	eSS	SS	11 31 30.0 +5.6
BEL			LMZ	LMZ	11 51 12.6 +9.3
BEL			SS	SS	12 23 18.3
comp-Z,53um,25.6s					
CFR	Carcaliu	130.37 321	eP	PKIKP	11 31 23.7 0.0
CFR			ePKP	PKIKP	11 31 23.7 0.0
AMAZ	Amazia	130.45 302	ePKP	PKIKP	11 31 30.3 +5.1
AMAZ			P	P	11 31 30.3 +5.1
TIRR	Tirgusor	130.56 321	PFAKE	LR	11 31 30.0 +5.0
TIRR			LR	LR	
comp-Z,2.8um,19.0s					
BIZ	Bicaz	130.64 324	eP	PKIKP	11 31 22.6 -1.7
HRFI	Mount Harif	130.68 300	ePKP	PKIKP	11 31 28.9 +3.2
HRFI	Mount Harif	130.68 300	P	PKIKP	11 31 28.9 +3.2
comp-Z,1.26nm,2.2s					
TLB	Topalu	130.72 321	eP	PKIKP	11 31 24.3 -0.1
TLB	Topalu	130.72 321	ePKIKP	PKIKP	11 31 24.3 -0.1
AQBj	Aqaba	130.73 300	ePKP	PKIKP	11 31 32.4 +6.6
AQBj	Aqaba	130.73 300	P	PKIKP	11 31 32.4 +6.6
comp-Z,1.11nm,0.9s					
HARR	Harsova	130.74 321	eP	PKIKP	11 31 23.2 -1.3
HARR	Harsova	130.74 321	ePKIKP	PKIKP	11 31 23.2 -1.3
BUR04	Bucovina Ar. S	130.76 326	ePKP	PKIKP	11 31 20.9 -3.7
BUR04	Bucovina Ar. S	130.76 326	ePKP	PKIKP	11 31 22.3 -2.3
BUR04	Bucovina Ar. S	130.76 326	ePKP	PKIKP	11 31 22.2 -2.4
BURAR	Bucovina Array	130.76 326	ePKP	PKIKP	11 31 22.2 -2.4
BURAR	Bucovina Array	130.76 326	ePKIKP	PKIKP	11 31 21.1 -4.5
LSZ	Lusaka	130.80 239	ePKP	PKIKP	11 31 23.1 -2.5
LSZ			PKP	PKIKP	
comp-Z,6.0nm,0.6s,baz=195,slow=4.1,SNR=4.5					
LSZ			PP	PP	11 33 48.2 +7.3
comp-Z,2.5nm,1.2s,baz=103,slow=3.8,SNR=3.8					
LSZ			SKP	SKP	11 34 54.5
comp-Z,3.4nm,1.1s,baz=139,slow=8.9,SNR=6.8					
CSS	Mathiatis	130.83 307	PFAKE	LR	11 31 30.0 +4.1
CSS			LR	LR	
comp-Z,2.4um,22.0s					
EIL	Elat	130.83 300	ePKP	PKIKP	11 31 30.6 +4.6
EIL	Elat	130.83 300	P	PKIKP	11 31 30.6 +4.6
comp-Z,4.7nm,0.8s					
EIL	Elat	130.83 300	ePKP	PKIKP	11 31 22.6 -2.5
comp-Z,4.5nm,0.8s,baz=314,slow=6.7,SNR=4.4					
EIL			PP	PP	11 33 54.2 +1.3
comp-Z,1.10nm,1.1s,baz=42,slow=2.1,SNR=3.6					
EIL			SKP	SKP	11 34 54.3
comp-Z,2.3nm,1.1s,baz=55,slow=2.7,SNR=3.3					
VRI	Vrincioia	130.86 323	ePKP	PKIKP	11 31 24.3 -0.4
VRI	Vrincioia	130.86 323	ePKIKP	PKIKP	11 31 24.3 -0.4
KWP	Kalwaria Pacla	130.88 329	ePKP	PK	

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like BUD, KRUC, MODS, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like VISS, BOJS, UCC, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like EBNR, PSET, ECHA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes station NNC 08 11:20:20.9...

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, and Res. Includes station ISCJB 08 11:20:56.0...



Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like CHIANG MAI ARR, SONGO ARR, SONMO ARR, ELIISON ARR, etc.

ISC/JB 08 11:28:31.6:0.5, 10.69S:0.06:166.41E:0.07, h10km, mb4.3/7, Error ellipse: s-maj=10.8km s-min=7.7km

NEIC 08 11:28:33.0:0.7, 10.62S:166.40E, h10km, mb4.7/9, Error ellipse: s-maj=16.3km s-min=10.5km az=69.0

IDC 08 11:28:34.0:1.0, 10.79S:166.17E, h0km, mb4.2/10, mb1.4/4.12, mb1mx4.1/4.4, mbtmp4.3/12, ML4.9/1, Error ellipse: s-maj=34.9km s-min=18.5km az=140.0

ISC 08 11:28:34.1:0.6, 10.71S:0.09:166.40E:0.08, h10km, n39, a176/35, mb4.3/17, Santa Cruz Islands

Main table listing station data for Santa Cruz Islands region, including stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

IDC 08 11:32:00.6:3.9, 10.19S:165.39E, h0km, mb4.0/4, mb1.4/2.4, mb1mx3.8/4.4, mbtmp4.0/4, Error ellipse: s-maj=177.7km s-min=35.2km az=139.0, Santa Cruz Islands

Table listing station data for Santa Cruz Islands region, including stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

VIE 08 11:32:53.6:0.9, 47.81N:144.14E, h0km, mb0.1/1, ml1.5/4, Error ellipse: s-maj=7.6km s-min=3.3km az=34.0, Suspected Mining explosion., Austria

Table listing station data for Austria region, including stations like MOA Molln, ARSA Arzberg, etc.

IDC 08 11:33:55.2:1.4, 11.61S:164.89E, h0km, mb4.0/4, mb1.4/3.6, mb1mx3.9/4.3, mbtmp4.1/6, ML3.9/2, Error ellipse: s-maj=38.3km s-min=26.5km az=137.0

ISC/JB 08 11:33:58.1:1.1, 11.8S:0.1:164.8E:0.2, h34km, mb3.9/4, Error ellipse: s-maj=23.4km s-min=18.7km az=157.5

ISC 08 11:33:59.8:1.1, 11.7S:0.1:164.8E:0.2, h34km, n6, a150/6, mb4.0/4, Santa Cruz Islands region

Main table listing station data for Santa Cruz Islands region, including stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

ISC/JB 08 11:34:32.0:0.5, 11.05S:0.06:165.94E:0.08, h10km, mb4.1/18, Error ellipse: s-maj=11.7km s-min=7.8km

IDC 08 11:34:32.2:0.7, 10.96S:165.98E, h0km, mb4.0/14,

mb1.4/2.16, mb1mx4.1/4.5, mbtmp4.1/16, ML4.8/2, Error ellipse: s-maj=20.8km s-min=16.4km az=108.0

NEIC 08 11:34:33.0:0.5, 10.97S:165.99E, h10km, mb4.5/8, Error ellipse: s-maj=12.5km s-min=9.1km az=73.0

ISC 08 11:34:33.7:0.6, 10.94S:0.08:166.0E:0.1, h10km, n44, a136/36, mb4.1/19, Santa Cruz Islands

Main table listing station data for Santa Cruz Islands region, including stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

ISC/JB 08 11:37:13.8:1.2, 11.0S:0.1:165.9E:0.2, h10km, mb3.7/5, Error ellipse: s-maj=24.8km s-min=18.5km az=152.6

IDC 08 11:37:13.8:1.6, 10.96S:165.95E, h0km, mb3.8/5, mb1.4/1.7, mb1mx3.7/4.5, mbtmp3.9/7, ML4.4/2, Error ellipse: s-maj=41.0km s-min=28.0km az=132.0

ISC 08 11:37:15.5:1.3, 10.9S:0.1:166.0E:0.2, h10km, n7, a099/7, mb3.7/5, Santa Cruz Islands

Main table listing station data for Santa Cruz Islands region, including stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

IDC 08 11:37:50.4:1.8, 10.89S:166.03E, h0km, mb3.8/3, mb1.4/2.5, mb1mx3.8/4.5, mbtmp4.1/5, ML4.5/2, Error ellipse: s-maj=43.8km s-min=32.5km az=131.0, Santa Cruz Islands

Main table listing station data for Santa Cruz Islands region, including stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

ISC/JB 08 11:39:40.1:0.2, 10.98S:0.02:165.92E:0.03, h10km, mb4.8/88, Error ellipse: s-maj=4.8km s-min=3.3km az=157.1

IDC 08 11:39:40.4:0.5, 10.95S:165.93E, h0km, mb4.5/27, mb1.4/2.9, mb1mx4.6/39, mbtmp4.5/29, ML5.2/2, MS5.8/1, Ms1.5/1.2, mb1.2/2.0, Error ellipse: s-maj=16.0km

NEIC 08 11:39:42.0:1.6, 10.93S:165.91E, h12km, mb4.7/3, Error ellipse: s-maj=4.8km s-min=3.5km az=75.0

MOS 08 11:39:44.1:0.8, 10.91S:165.77E, h33km, mb4.7/33, Error ellipse: s-maj=10.2km s-min=9.4km az=98.4

ISC 08 11:39:42.1:0.3, 10.95S:0.05:165.94E:0.05, h10km, n221, a111/229, mb4.9/89, 9C-6D, Santa Cruz Islands

Main table listing station data for Santa Cruz Islands region, including stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

Table listing station data for various regions, including stations like ONTNC Ouen Toro, PUNNC Pines Island, etc.

Main table listing station data for various regions, including stations like ONTNC Ouen Toro, PUNNC Pines Island, etc.





Table with columns: URZ, Urewera, 28.95 162 eP, P, 12 00 05.0 +0.9, 22nm, 1.4s

ISC 08 11:55:45.9, 1.5, 11:06S; 165.89E, h0km, mb3.9/6, mb1.4/1.8, mb1mx3.9/4.0, mbtmp0.0/8, ML4.7/1, Error ellipse: s-maj=40.0km s-min=26.1km az=128.0

ISC/JB 08 11:55:46.1, 1.1, 11:15S; 0.1; 165.9E; 0.2, h10km, mb3.9/6, Error ellipse: s-maj=23.1km s-min=17.6km az=160.2

ISC 08 11:55:47.8, 1.2, 11:05S; 0.1; 165.9E; 0.2, h10km, n8, a125f8, mb3.9/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h m s, ISC

ISC/JB 08 11:56:09.5, 0.2, 10.96S; 0.03; 165.89E; 0.04, h10km, mb4.8/7.2, Error ellipse: s-maj=6.2km s-min=3.9km az=157.0

ISC 08 11:56:09.5, 0.5, 10:91S; 165.91E, h0km, mb4.5/2.5, mb1.4/2.7, mb1mx3.9/4.0, mbtmp0.4/2.7, ML2.1/2.7, Error ellipse: s-maj=15.4km s-min=12.9km az=93.0

NEIC 08 11:56:11.6, 0.7, 10:90S; 165.94E, h14km, 4km, mb5.1/3.9, Error ellipse: s-maj=6.1km s-min=4.0km az=78.0

MOS 08 11:56:12.9, 0.8, 10:90S; 165.87E, h33km, mb4.8/2.7, Error ellipse: s-maj=10.4km s-min=9.7km az=116.1

ISC 08 11:56:11.0, 0.4, 10.96S; 0.05; 165.96E; 0.06, h10km, n148, a116/154, mb4.9/7.3, 8C-3D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h m s, ISC

Main table with columns: URZ, Urewera, 28.96 162 P, P, 12 02 10.9 +0.2, comp=2.4, 2nm, 0.7s, baz=21, slow=4.7, SNR=4.7

Table with columns: CM31, Chiang Mai Arr, 72.27 293 eP, P, 12 07 37.9 +0.6, comp=2.3, 3nm, 0.9s, baz=111, slow=4.1, SNR=14

ISC 08 12:01:41.6, 1.4, 11:80S; 164.78E, h0km, mb3.6/4, mb1.3/8.6, mb1mx3.7/3.9, mbtmp3.8/6, ML4.0/2, Error ellipse: s-maj=37.4km s-min=29.1km az=130.0

ISC/JB 12:01:44.2, 1.2, 11:95S; 0.1; 164.8E; 0.2, h33km, mb3.5/4, Error ellipse: s-maj=26.9km s-min=16.8km az=150.6

ISC 08 12:01:46.6, 1.2, 11:95S; 0.1; 164.8E; 0.2, h35km, n7, a154/97, mb3.5/4, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h m s, ISC



Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like MARNC Mare, Loyalty, DZM Mont Dzumac, etc.

ISC 08 12:09:17.0-0.6, 10.98Sx166.01E, h0km, mb4.3/18, mb1.4, 5/19, mb1mx4.0/36, mbtmp4.3/19, ML5.4/2, MS5.2/1, MS1.5/2/1, ms1mx4.2/43, Error ellipse: s-maj=18.2km s-min=14.8km az=114.0

ISCJB 08 12:09:17.5-0.3, 11.01S:0.04:165.91E:0.05, h10km, mb4.752, Error ellipse: s-maj=7.5km s-min=5.5km az=162.2

NEIC 08 12:09:19.9-2.9, 10.91S:165.97E, h16km, 18km, mb5.0/34, Error ellipse: s-maj=6.7km s-min=5.9km az=56.0

ISC 08 12:09:19.0-0.4, 10.97S:0.05:165.97E:0.07, h10km, n98, #172/101, mb4.9/55, 1C-1D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like CRLZ Canterbury Las, AS31 Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like HNR Honiara, WRA Warramunga Arr, etc.

ISCJB 08 12:15:33.6: 1.1, 11.0S:0.1:166.1E:0.1, h10km, mb4.1/11, Error ellipse: s-maj=21.3km s-min=11.8km az=143.5

ISC 08 12:15:34.2: 1.6, 10.80S:165.97E, h0km, mb4.0/7, mb1.4, 2/8, mb1mx3.9/34, mbtmp4.0/8, ML3.9/1, Error ellipse: s-maj=4.1km s-min=2.5km az=124.0

NEIC 08 12:15:35.5: 1.1, 10.93S:166.06E, h10km, mb4.5/5, Error ellipse: s-maj=20.1km s-min=10.8km az=54.0

ISC 08 12:15:35.4: 1.3, 10.95S:0.1:166.1E:0.2, h10km, n16, #152/16, mb4.2/11, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

ISCJB 08 12:16:37.8: 0.5, 11.04S:0.07:165.85E:0.09, h10km, mb4.4/17, Error ellipse: s-maj=13.4km s-min=8.3km az=152.5

ISC 08 12:16:37.9: 0.9, 11.00S:165.89E, h0km, mb4.1/9, mb1.4, 3/11, mb1mx4.0/34, mbtmp4.2/11, ML4.4/2, Error ellipse: s-maj=23.4km s-min=21.1km az=82.0

NEIC 08 12:16:39.3: 0.5, 10.93S:165.90E, h10km, mb4.6/8, Error ellipse: s-maj=12.5km s-min=7.8km az=63.0

ISC 08 12:16:39.5: 0.8, 10.95S:0.1:165.9E:0.1, h10km, n27, #150/22, mb4.4/17, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

ISCJB 08 12:20:54.9: 1.2, 10.9S:0.1:165.9E:0.2, h10km, mb3.7/4, Error ellipse: s-maj=23.8km s-min=17.7km az=153.4

ISC 08 12:20:54.9: 1.6, 10.97S:165.89E, h0km, mb3.7/4, mb1.4, 0/6, mb1mx3.7/33, mbtmp3.9/6, ML4.1/2, Error ellipse: s-maj=41.7km s-min=29.3km az=129.0

ISC 08 12:20:56.6: 1.3, 10.9S:0.1:165.9E:0.2, h10km, n12, #125/6, mb3.8/4, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.



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Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MQZ McQueen's Vall, FITZ Fitzroy Crossi, BATI Baumata, etc.

IDC 08 12:37:28.9-1.8, 10.995x166.14E, h0km, mb3.9/5, mb1 4.2/6, mb1mx3.8/39, mbtmp4.0/6, ML4.1/1, Error ellipse: s-maj=47.9km s-min=31.4km az=122.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, FITZ Fitzroy Crossi, etc.

IDC 08 12:42:03.4-4.0, 9.85S-66.48E, h0km, mb3.7/6, mb1 3.9/6, mb1mx3.6/40, mbtmp3.7/6, Error ellipse: s-maj=113.8km s-min=29.2km az=65.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H08N3 Diego Garcia H, H08N1 Diego Garcia H, H08N2 Diego Garcia H, etc.

IDC 08 12:43:53.8-1.0, 11.65Sx165.34E, h0km, mb3.9/10, mb1 4.1/11, mb1mx4.0/34, mbtmp3.9/11, ML2.2/1, Error ellipse: s-maj=36.4km s-min=21.8km az=142.0

ISCJB 08 12:43:55.7-0.7, 11.85S:0.1x165.3E:0.2, h24km, mb3.8/10, Error ellipse: s-maj=21.7km s-min=16.1km az=163.3

ISC 08 12:43:57.4-0.8, 11.75S:0.1x165.4E:0.2, h24km, n11, +075/11, mb3.9/10, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

KRNET 08 12:48:59.8-0.1, 42.57N:72.80E, h18km, mb2.0, NNC 08 12:48:59.6-0.3, 42.58N:72.80E, h0km, mb2.4, mpv2.5, Error ellipse: s-maj=8.6km s-min=1.7km az=163.0

SOME 08 12:49:00.2, 42.55N:72.82E, h10km, ISC 08 12:48:59.8-0.9, 42.56N:0.04x72.80E:0.02, h12km, n8ms, n26, +056/49, 28C-9D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MNAS Manas, MRKS Merke, etc.

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Table with columns: MRKS, Merke, Az, Az', Phase ID, Op, Pg, Time, Res, h, m, s, ISC. Includes stations like MRKS Merke, EKS2, AML Almayshu, etc.

IDC 08 12:49:47.4-4.6, 10.44Sx165.36E, h0km, mb3.4/3, mb1 3.7/3, mb1mx3.5/30, mbtmp3.4/3, Error ellipse: s-maj=240.9km s-min=31.7km az=138.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

IDC 08 12:50:37.3-1.6, 10.65Sx166.02E, h0km, mb3.5/4, mb1 3.8/5, mb1mx3.6/30, mbtmp3.6/5, ML3.9/1, Error ellipse: s-maj=53.0km s-min=28.9km az=124.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, H11S2 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, etc.

ISCJB 08 12:52:59.9-0.8, 10.88S:0.08x166.0E:0.1, h10km, mb4.7/1, Error ellipse: s-maj=17.2km s-min=11.4km az=160.1

IDC 08 12:53:00.0-1.5, 10.75Sx166.03E, h0km, mb3.6/5, mb1 3.9/7, mb1mx3.7/29, mbtmp3.8/7, ML4.2/2, Error ellipse: s-maj=41.9km s-min=27.9km az=135.0

NEIC 08 12:53:01.4-0.9, 10.80Sx166.02E, h10km, mb4.7/2, Error ellipse: s-maj=18.5km s-min=12.5km az=70.0

ISC 08 12:53:01.4-0.1, 10.90S:0.09x166.1E:0.1, h10km, n21, +157/17, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

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Table with columns: WRAB Tennant Creek, WB2 Warramunga Arr, WR1 Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, MK32 Makanchi Array, MKAR Makanchi Array, YKA Yellowknife Arr, etc.

IDC 08 13:01:59.6-1.7, 21.61Sx70.78W, h0km, mb3.7/4, mb1 3.9/5, mb1mx3.7/24, mbtmp3.7/5, ML3.9/1, Error ellipse: s-maj=52.4km s-min=35.2km az=2.0

ISCJB 08 13:02:06.7-1.0, 21.19S:0.10x70.70W:0.09, h52km, 11km, mb3.6/4, Error ellipse: s-maj=14.3km s-min=6.7km az=11.2

GUC 08 13:02:08.3-0.4, 21.21S:70.54W, h56km, 5km, ML3.9, ISC 08 13:02:07.1-1.6, 21.21S:0.04x70.72W:0.10, h43km, 16km, n14, +104/22, mb3.5/4, 6C-2D, Near coast of northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PB02 IPOC Station P, PB07 IPOC Station P, PB01 IPOC Station P, etc.

IDC 08 13:04:24.4-1.6, 6.28Sx165.81E, h0km, mb3.7/5, mb1 3.9/6, mb1mx3.7/44, mbtmp3.7/6, ML3.6/1, Error ellipse: s-maj=50.0km s-min=27.7km az=129.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

ISCJB 08 13:04:58.3-1.1, 10.84Sx165.77E, h0km, mb4.0/8, mb1 4.2/9, mb1mx3.9/46, mbtmp4.1/8, ML4.5/1, Error ellipse: s-maj=32.1km s-min=21.9km az=130.0

ISC 08 13:05:00.1-1.0, 10.95S:0.1x165.9E:0.1, h10km, n16, +109/10, mb3.9/7, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, CTA Charters Tower, H11S2 WAKE ISLAND Hy, etc.

IDC 08 13:06:28.9-0.6, 10.51Sx166.41E, h0km, mb4.5/20, mb1 4.7/20, mb1mx4.5/44, mbtmp4.5/20, MS4.8/1, Ms1 4.8/1, ms1mx4.1/37, Error ellipse: s-maj=19.5km s-min=15.2km az=143.0

NEIC 08 13:06:30.2-0.2, 10.54Sx166.40E, h10km, mb4.8/16, Error ellipse: s-maj=8.0km s-min=5.6km az=125.0

ISCJB 08 13:06:52.5-0.3, 10.58S:0.05x166.35E:0.07, h36km, mb4.6/35, MS4.6/1, Error ellipse: s-maj=9.9km s-min=7.3km az=22.9

ISC 08 13:06:34.3-0.4, 10.49S:0.08x166.51E:0.09, h36km, n83, +150/76, mb4.8/35, 1D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.







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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H11S2 WAKE ISLAND Hy 28.99, H11S3 WAKE ISLAND Hy 28.99, H11S1 WAKE ISLAND Hy 29.00, etc.

ISC 08 13:26:52.9:1.8, 11.44S:166.23E, h0km, mb3.8/6, mb1 4.1/7, mb1mx3.8/34, mbtmp3.9/7, ML4.7/1, Error ellipse: s-maj=65.5km s-min=26.6km az=149.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISC 08 13:28:06.3:0.8, 11.05S:167.03E, h0km, mb4.3/16, mb1 4.5/16, mb1mx4.4/33, mbtmp4.3/16, MS4.3/1, MS1 4.3/1, ms1mx3.8/45, Error ellipse: s-maj=26.2km s-min=16.4km az=125.0

NEIC 08 13:28:04.0:3.1, 11.08S:166.97E, h0km, mb4.9/31, Error ellipse: s-maj=17.9km s-min=13.7km az=93.0

ISC 08 13:28:10.1:0.3, 10.99S:166.84E, 0.06, h28km, mb4.7/57, Error ellipse: s-maj=13.2km s-min=7.1km az=158.7

ISC 08 13:28:10.5:0.6, 11.13S:167.1E, 0.1, h28km, n75, 130/75, mb4.9/57, 1C, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, EIDS Eidsvold, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BJI Beijing, BJI Beijing, BJI Beijing, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GYA Guiyang, GYA Guiyang, GYA Guiyang, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like XAN Xi'an, XAN Xi'an, XAN Xi'an, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KMI Kunming, KMI Kunming, KMI Kunming, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMAR Chiang Mai Arr, CD2 Chengdu, CD2 Chengdu, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GTA Gaotai, IM3 Indian Harding Lake, MDM Murphy Dome, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, ILB Eielson Array, ILT Eielson Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MDPB Devils Postpil, WAKR Walker, PNTR Pine Nut, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like YERR Yerington, PAHR Pah Rah Range, RYN Ryan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like NV01 Mina Array Sit, NVAR Mina Array Bea, NV11 Mina Array Sit, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like IO7A Izeze, WWOR Wild Horse Val, JO8A Circle Bar Ran, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like G08A Pilot Rock, SHPR Sheep Range, E09A Wood Farm, Sta, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BMO Blue Mountain, ELK Elko, F10A Beach Ranch, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HLD Hailey, DUG Dugway, Tooele, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BGU Big Grassy Mtn, MSU Marysvale, WMQ Urumqi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HVO Hverfjallajökull, DUG Dugway, NLU North Lily Min, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DLMT Dillon, BOZ Bozeman (W), PDAR Pinedale Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PDAR Pinedale Array, ZALV Zalesovo Beam, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like MK31 Makanchi Array, MKAR Makanchi Array, GLL Geres, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GRES Geres, TORO Torodi Arr, TORO Torodi Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TORO Torodi Arr, TORO Torodi Arr, TORO Torodi Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like TORO Torodi Arr, TORO Torodi Arr, TORO Torodi Arr, etc.

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0.1mm, 0.5s, baz=137, slow=4.4, SNR=5.3
ISCJB 08 13:39:26.1:0.3, 10.98S:165.95E:0.06, h10km, mb4.6/44, Error ellipse: s-maj=8.5km s-min=5.9km az=153.2

IDC 08 13:39:26.1:0.5, 10.89S:165.99E, h0km, mb4.4/20, mb1 4.5/22, mb1mx4.4/38, mbtmp4.4/22, ML4.9/2, Error ellipse: s-maj=17.9km s-min=13.7km az=93.0

NEIC 08 13:39:27.6:0.3, 10.91S:165.99E, h10km, mb5.0/16, Error ellipse: s-maj=8.9km s-min=6.4km az=78.0

ISC 08 13:39:27.0:0.5, 10.88S:166.00E:0.08, h10km, n85, 151/715, mb4.8/50, 1C, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, ONTC Queen Toro, RABL Rabaul, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like EIDS Eidsvold, CTA Charters Tower, CTAO Charters Tower, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like URW Urewera, H11S2 WAKE ISLAND Hy 29.19, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H11S3 WAKE ISLAND Hy 29.19, H11S1 WAKE ISLAND Hy 29.20, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like BKZ Black Stump Fm, H11N1 WAKE ISLAND Hy 30.41, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H11N3 WAKE ISLAND Hy 30.41, H11N2 WAKE ISLAND Hy 30.43, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, STKA Stephens Creek, THZ Tophouse, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRAB Tennant Creek, WB2 Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like LTZ Lake Taylor, FOZ Fox Glacier, OPZ Oxford, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like RPX Rata Peaks, RPZ Rata Peaks, AS01 Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, ASAR Alice Springs, BBOO Backleboe, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, MJAR Matsushiro Arr, KSRS Korea Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like KSAR Wonju Array Bea, KS01 Wonju Array Si, NJ2 Nanjing, etc.

ISC 08 13:29:44.7:1.2, 11.06S:165.43E, h0km, mb4.0/6, mb1 4.2/7, mb1mx3.9/33, mbtmp4.0/7, ML4.5/1, Error ellipse: s-maj=49.0km s-min=23.4km az=126.0

ISCJB 08 13:29:47.3:0.9, 11.2S:0.1:165.5E:0.2, h30km, mb3.8/6, Error ellipse: s-maj=26.6km s-min=16.9km az=14.7

ISC 08 13:29:49.1:1.0, 11.1S:0.1:165.5E:0.2, h30km, n13, 107/89, mb4.0/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, H11S2 WAKE ISLAND Hy 29.44, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H11S3 WAKE ISLAND Hy 29.44, H11S1 WAKE ISLAND Hy 29.46, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, H11N1 WAKE ISLAND Hy 30.66, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like H11N3 WAKE ISLAND Hy 30.67, H11N2 WAKE ISLAND Hy 30.68, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, etc.

ISC 08 13:33:16.1:0.8, 11.8N:0.2:86.4W:0.3, h10km, mb3.3/5, Error ellipse: s-maj=47.5km s-min=9.6km az=137.6

IDC 08 13:33:17.2:1.3, 11.94N:86.38W, h0km, mb3.4/5, mb1 3.7/7, mb1mx3.6/34, mbtmp3.5/7, ML3.3/2, Error ellipse: s-maj=79.6km s-min=12.1km az=52.0

ISC 08 13:33:18.2:0.9, 11.9N:0.2:86.3W:0.3, h10km, n7, 151/10/8, mb3.3/5, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like JTS JuntasAbangare, JTS JuntasAbangare, JTS JuntasAbangare, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like CMIG Matias Romero, CMIG Matias Romero, TXAR Lajitas Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like PDAR Pinedale Array, ULM Lac du Bonnet, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ILAR Eielson Array, ILAR Eielson Array, ILAR Eielson Array, etc.



IDC 08 13:54:56.0-0.7, 30.325x177.50W, h0km, mb4.6/9,  
mb1 4.7/12, mb1mx4.4/39, mbmp4.5/12, ML3.8/3, Error  
ellipse: s-maj=23.1km s-min=17.6km az=141.0  
NEIC 08 13:54:57.2-0.3, 30.355x177.54W, h10km, mb4.6/5, Error  
ellipse: s-maj=10.3km s-min=5.9km az=112.0  
ISCJBJ 08 13:54:59.6-0.6, 30.455x177.77W, 0.1, h33km,  
mb4.6/12, Error ellipse: s-maj=13.8km s-min=6.6km  
az=16.7

ISC 08 13:55:01.1-0.6, 30.315x177.77W, 0.1, h33km, n54,  
r1943/57, mb4.7/11, 1.0, Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include RAOU Raoul Island, MATAKATA Matakata Point, URZ Urewera, etc.

ISCJBJ 08 13:58:55.7-0.6, 10.975x0.09x166.00E, 0.07, h10km,  
mb4.2/15, Error ellipse: s-maj=13.2km s-min=9.2km  
az=16.2

IDC 08 13:58:55.0-0.7, 10.855x166.05E, h0km, mb4.2/12,  
mb1 4.4/13, mb1mx4.1/47, mbmp4.3/13, ML5.0/1, Error  
ellipse: s-maj=21.5km s-min=17.1km az=137.0

NEIC 08 13:58:59.0-0.4, 10.885x166.05E, h10km, mb4.2/5, Error  
ellipse: s-maj=19.9km s-min=9.9km az=143.0

ISC 08 13:58:59.9-0.7, 10.950x166.05E, h10km, n33,  
r1818/28, mb4.1/15, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include HNR Honiara, CTA Charters Tower, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include FITZ Fitzroy Crossi, ILAR Eielson Array, ILB Eielson Array, etc.

IDC 08 14:03:01.1-1.1, 17.625x165.19E, h0km, mb3.7/6,  
mb1 3.8/7, mb1mx3.6/41, mbmp3.7/7, ML3.8/1, Error  
ellipse: s-maj=50.3km s-min=25.3km az=125.0

ISCJBJ 08 14:03:04.1-1.0, 11.850x165.2E, 0.2, h34km, mb3.5/6,  
Error ellipse: s-maj=27.6km s-min=18.2km az=13.8

ISC 08 14:03:05.7-1.0, 11.775x165.2E, 0.2, h34km, n7,  
r1217/7, mb3.6/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include DZM Mont Dzumac, STKA Stephens Creek, WRA Warramunga Arr, etc.

IDC 08 14:03:07.9-1.0, 11.575x168.28E, h0km, mb3.8/4,  
mb1 3.9/4, mb1mx3.6/40, mbmp3.8/4, Error ellipse:  
s-maj=319.6km s-min=60.2km az=127.0, Santa Cruz  
Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

IDC 08 14:05:04.2-2.3, 13.075x165.97E, h0km, mb3.8/7,  
mb1 4.1/7, mb1mx3.8/40, mbmp3.8/7, Error ellipse:  
s-maj=119.4km s-min=23.6km az=148.0, Vanuatu  
Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc.

IDC 08 14:06:05.9-1.1, 10.885x165.68E, h0km, mb3.9/8,  
mb1 4.0/10, mb1mx3.8/44, mbmp4.0/10, ML4.3/2, Error  
ellipse: s-maj=24.2km s-min=24.0km az=170.0

ISCJBJ 08 14:06:08.0-0.9, 11.150x165.71E, 0.1, h30km,  
mb3.8/7, Error ellipse: s-maj=18.6km s-min=11.1km  
az=32.6

ISC 08 14:06:10.3-1.1, 11.105x165.7E, 0.1, h30km, n10,  
r150/11, mb3.9/7, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include HNR Honiara, DZM Mont Dzumac, CTA Charters Tower, etc.

ISCJBJ 08 14:10:34.8-0.2, 10.965x165.98E, 0.04, h10km,  
mb4.8/29, Error ellipse: s-maj=6.4km s-min=3.9km  
az=53.7

IDC 08 14:10:35.4-0.6, 10.935x165.83E, h0km, mb4.5/24,  
mb1 4.6/25, mb1mx4.5/46, mbmp4.5/25, ML4.7/1, Error  
ellipse: s-maj=18.1km s-min=13.1km az=117.0

BUI 08 14:10:35.7, 11.035x165.62E, h8km, mB5.5/20, mb4.8/44,  
Ms5.2/17, Ms7.0/17

NEIC 08 14:10:36.9-0.3, 10.905x165.93E, h10km, mb5.2/22, Error  
ellipse: s-maj=7.6km s-min=5.5km az=90.0

MOS 08 14:10:39.3-1.4, 10.965x165.74E, h33km, mb4.8/11, Error  
ellipse: s-maj=11.9km s-min=10.9km az=163.6

ISC 08 14:10:36.9-0.4, 10.925x165.98E, 0.08, h10km, n178,  
r122/175, mb4.8/69, 923D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include HNR Honiara, MARNC Mare, DZM Mont Dzumac, etc.

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Rows include CTAO Charters Tower, MTSU Mount Suroba, RMQ Roma, COEN Coen, ARMA Armidale, etc.











8d 15h

Table with columns: CMAR, CMAR, CMAR, CMAR, ZEA, ZEA, HIA, HIA, CMMT, CHTO, CHTO, CHTO, CD2, CD2, CD2, CD2, CD2, CD2, BTO, SEY, LZH, LZH, LZH, LZH, LZH, LZH, LZH, LZH, LZH, LZH, KDAK, GAMB, CIT, CIT, SVW2, YAK, YAK, YAK, ANM, ANM, ANM, ULN, ULN, ULN, SONM, SONM, BILL, BILL, QSPA, GTA, GTA, GTA, GTA, GTA, SUA, BOD, BOD, SHL, CAST, ZAK, ZAK, RDOG, MCK, IRK, IRK, TLY, TLY, IM3, LSA, LSA, WRH, MDM, HDA, HDA, COLA, COLA, RIDG, ILAR, ILAR, ILB, POKR, MOY, MOY, ORV, ORV, ORV, O03E, AFDM

2013 FEB

Table with columns: CMB, CMB, L04D, M04C, J04D, BEKR, ISA, ISA, ISA, EDW2, MAW, BFSC, KNGR, J05D, YERR, CWC, PAHR, DAWY, E04D, RAMN, RYN, DAC, DAC, MPMC, NV01, NVAR, TIXI, TIXI, A04D, JIRN, GUN, WVOR, WVOR, PKIN, TPNV, IRM, DMN, HAWA, R11A, R11A, PDMCI, W13A, BMO, BMO, DANN, KOLN, ELK, ELK, F10A, PYUN, WMQ, WMQ, WMQ, WMQ, WMQ, WMQ, INK, INK, HULD, X16A, TUC, TUC, DUG, DUG, DUG, DUG, BGU, HVU, HVU, HVU, HYB, DGZ, MSO, MCMT, W18A, DLMT, WALA, SYO, SYO, SYO, BOZ, BOZ, BOZ, PDAR, PDAR, ZAAO, ZALV, ZALV

720

Table with columns: MKAR, MKAR, MKAR, MKAR, MAKZ, MAKZ, EGMT, NVS, NVS, NVS, NVS, YKA, YKBS, SDCO, TXAR, TXAR, NRIK, KURK, KURK, KURK, KSH, KSH, KSH, KSH, KSH, KSH, AAK, AAK, BRVK, BRVK, ARCES, ARCES, ARCES, ARCES, VRH, VRH, LPSR, LPSR, OBN, OBN, VSR, VSR, KIV, KIV, FINES, CPUP, SDV, NB2, NOA, HFS, AKASG, BRTR, VYHS, CLL, CLL, CLL, CLL, GERES, BDFB, KEST, PBRG, MVO, PVRL, PVIS, ESDC, MTE, PTOM, PBRV, PFTG, PESTR, PBEJ, TORD, TORD, TORD, DBIC, IDC 08 15:13:33.6, IDC 08 15:13:33.6, IDC 08 15:13:33.6

0.4nm,0.8s,baz=70,slow=8.0,SNR=4.5
ILAR Eielson Array 83.67 19 P
0.4nm,0.7s,baz=231,slow=5.7,SNR=2.6

IDC 08 15:17:06.4:1.6,10.99S:164.58E,h0km,mb3.6/4,
mb1 3.8/5,mb1mx3.6/29,mbtmp3.6/5,ML3.4/1,Error
ellipse: s-maj=48.4km s-min=29.2km az=124.0, Santa
Cruz Islands region

Code Station Name Az AZZ Phase ID Time Res
DZM Mont Dzumac 11.16 171 Pn
0.3nm,0.3s,baz=156,slow=20,SNR=9.7

KRNET 08 15:18:10.9:0.1,43.20N:78.45E,h30km,mb2.0
NNC 08 15:18:10.5:0.4,43.16N:78.41E,h0km,mb2.5,mpv2.5,
Error ellipse: s-maj=5.3km s-min=2.3km az=178.0

SOME 08 15:18:11.0:0.9,43.17N:78.47E,h0km
ISC 08 15:18:11.5:0.9,43.15N:0.02:78.43E,0.02,h7km,6km,
n32,e0587/62,13C-8D,Lake Issyk-Kul region

Code Station Name Az AZZ Phase ID Time Res
SATY Saty 0.09 189 P
163nm,0.1s
SATY Saty 0.09 189fP
408nm,0.1s

KRNET 08 15:22:34.7:0.1,40.85N:74.11E,h14km,mb2.4
NNC 08 15:22:34.8:0.3,40.81N:74.09E,h0km,mb3.2,mpv2.8,
Error ellipse: s-maj=5.9km s-min=1.7km az=111.0

SOME 08 15:22:37.8:4.0,77.7N:74.10E,h35km
ISC 08 15:22:33.6:1.4,40.79N:0.03:74.12E:0.03,h4km=13km,
n50,e1248/1,33C-17D,Kyrgyzstan-Xinjiang border
region

Code Station Name Az AZZ Phase ID Time Res
SFK Sufi-Kurgan 0.91 211 P
2.7nm,0.3s
SFK Sufi-Kurgan 0.91 211fP
8.0nm,0.4s

KRNET 08 15:26:34.5:0.3,10.89S:166.12E,h0km,mb5.4/30,
mb1 5.4/32,mb1mx5.4/32,mbtmp5.4/32,ML5.9/2,MS6.7/34,
MS1 6.7/34,ms1mx6.6/45,Error ellipse: s-maj=8.9km
s-min=7.3km az=87.0

BJL 08 15:26:37.8:1.1,101S:165.96E,h20km,mb5.8/70,mb6.8/69,
MS7.2/92,MS7.6/97
ISCJB 08 15:26:37.3:0.1,10.92S:0.02:166.01E:0.02,h24km,
mb5.9/178,MS6.8/222,Error ellipse: s-maj=2.5km
s-min=2.3km az=156.0

NEIC 08 15:26:38.5:0.1,10.93S:166.02E,h21km,mb6.4/18,
ME7.5,MS6.9/132,MW7.0,MW7.1,MW7.1,Error ellipse:
s-maj=3.2km s-min=2.6km az=129.0, Moment Tensor
Solution. s72 Moment tensor: Scale 10^19Nm; Mr=0.08;
Mss=0.23; Mss=0.16; Mss=0.16; Mss=3.29; Mss=0.66; Best
double couple: Ms3.40000\*10^19 NP1:3269.00000\*,
873.00000\*, -1.177.00000\*. NP2:3178.00000\*,
837.00000\*, -1.11.00000\*. Principal axes: T 3.3700,
Plg6.0000\*, Azm224.0000\*, N 0.0000, Plg78.0000\*,
Azm342.0000\*, P -3.3600, Plg10.0000\*, Azm133.00000\*,
Broadband fault plane solution: P waves. NP1:
qs=85.00000\*, ds85.00000\*, l175.00000\*. NP2:
qs=175.00000\*, ds85.00000\*, l5.00000\*. Principal axes: T
Plg7.00000\*, Azm40.00000\*, N Plg0.00000\*, Azm0.00000\*, P
Plg0.00000\*, Azm130.00000\*. Apparent Stress 3.20 MPa.
Depth from synthetics of broadband displacement
seismograms. Energy computed from BB mechanism.

NEIC 08 15:26:39.0:0.0,10.51S:165.96E,h19km, Moment
Tensor Solution. s58 Moment tensor: Scale 10^19Nm;
Mr=0.27; Mss=0.58; Mss=0.85; Mss=0.44; Mss=4.71; Mss=1.51;
Best double couple: Ms5.00000\*10^19 NP1:356.00000\*,
886.00000\*, l18.00000\*. NP2:265.00000\*, 872.00000\*,
l175.00000\*. Principal axes: T 5.0000, Plg15.0000\*,
Azm222.00000\*; N 0.0400, Plg71.00000\*, Azm9.00000\*; P
-5.0400, Plg9.00000\*, Azm129.00000\*.

MOS 08 15:26:40.3:1.1,10.73S:165.84E,h42km,mb5.9/40,
MS6.9/49 Error ellipse: s-maj=6.8km s-min=5.7km
az=99.2

GCMT 08 15:26:53.5:0.1,10.72S:165.92E,h24km,MW7.0/155,
Moment Tensor Solution. s58 Moment tensor: Scale 10^19Nm;
Mr=0.29; Mss=0.30; Mss=0.59; Mss=0.11; Mss=4.94; Mss=1.55;
Best double couple: Ms5.20000\*10^19 NP1:358.00000\*,
890.00000\*, -1.17.00000\*. NP2:268.00000\*, 873.00000\*,
l180.00000\*. Principal axes: T 5.0200, Plg12.00000\*,
Azm44.00000\*, N 0.3500, Plg73.00000\*, Azm176.00000\*; P
-5.3700, Plg12.00000\*, Azm311.00000\*.

ISC 08 15:26:38.8:0.4,10.89S:0.03:166.15E:0.03,h22km,2km,
h22km;P-P,n1285,e210/1251,mb6.0/179,MS6.9/231,
70C-37D,Santa Cruz Islands

Code Station Name Az AZZ Phase ID Time Res
KSR Koster 1.06 204 eP
1.1nm,0.5s
KSR Koster 1.06 204 eS
1.1nm,0.5s
KSR Silvertown 1.19 136 eP
1.1nm,0.5s

PRE 08 15:18:25.6:1.6,24.88S:103.2737E,0.05,h11km,13km,
n12,c1527/22,South Africa

Code Station Name Az AZZ Phase ID Time Res
KSR Koster 1.06 204 eP
1.1nm,0.5s
KSR Silvertown 1.19 136 eP
1.1nm,0.5s

WDLM Western Deep L 1.54 178 eP
WDLM WDLM 1.54 178 eS
WDLM WDLM 1.54 178 eS

LBTB Lobatse 1.62 265 eP
LBTB LBTB 1.62 265 eS
LBTB LBTB 1.62 265 eS

ERPMP east rand prop 1.66 152 eP
ERPMP ERPMP 1.66 152 eS
ERPMP ERPMP 1.66 152 eS

IDC 08 15:18:46.8:1.9,11.14S:166.10E,h0km,mb3.9/4,
mb1 4.2/5,mb1mx3.8/30,mbtmp4.0/5,ML4.4/1,Error
ellipse: s-maj=53.1km s-min=29.5km az=150.0, Santa
Cruz Islands

Code Station Name Az AZZ Phase ID Time Res
HNR Honiara 6.29 285 Op
8.1nm,0.3s,baz=72,slow=19,SNR=3.8

H11S2 WAKE ISLAND Hy 29.44 1 T
H11S3 WAKE ISLAND Hy 29.45 1 T
H11S1 WAKE ISLAND Hy 29.46 1 T

H11N1 WAKE ISLAND Hy 30.66 1 T
H11N3 WAKE ISLAND Hy 30.67 2 T
H11N2 WAKE ISLAND Hy 30.68 1 T

WRA Warramunga Arr 31.78 250 P
ASAR Alice Springs 33.06 244 P
CMAR Chiang Mai Arr 72.47 293 P

ILAR Eielson Array 83.49 18 P
0.3nm,0.6s,baz=240,slow=5.4,SNR=3.6

KRNET 08 15:22:34.7:0.1,40.85N:74.11E,h14km,mb2.4
NNC 08 15:22:34.8:0.3,40.81N:74.09E,h0km,mb3.2,mpv2.8,
Error ellipse: s-maj=5.9km s-min=1.7km az=111.0

SOME 08 15:22:37.8:4.0,77.7N:74.10E,h35km
ISC 08 15:22:33.6:1.4,40.79N:0.03:74.12E:0.03,h4km=13km,
n50,e1248/1,33C-17D,Kyrgyzstan-Xinjiang border
region

Code Station Name Az AZZ Phase ID Time Res
SFK Sufi-Kurgan 0.91 211 P
2.7nm,0.3s

SFK Sufi-Kurgan 0.91 211fP
8.0nm,0.4s

SFK Sufi-Kurgan 0.91 211fP
8.0nm,0.4s

ARSB Arslanbob 1.01 302fP
1.3nm,1.0s,baz=67,slow=10,SNR=8.1

ARLS Ara 1.08 8fP
1.3nm,1.0s,baz=67,slow=10,SNR=8.1

ARLS Ara 1.08 8fP
1.3nm,1.0s,baz=67,slow=10,SNR=8.1

AML Almayashu 1.38 347 P
SNR=54

AML Almayashu 1.38 347fP
SNR=54

UCH Uchtor 1.47 12 P
SNR=17

UCH Uchtor 1.47 12fP
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UCH Uchtor 1.47 12fP
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KZA Kyzart 1.54 33 P
SNR=12

KZA Kyzart 1.54 33fP
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KZA Kyzart 1.54 33fP
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NRN Naryn 1.56 65fP
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AAK Ala-Archa 1.87 9 P
SNR=13

AAK Ala-Archa 1.87 9fP
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AAK Ala-Archa 1.87 9fP
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AAK Ala-Archa 1.87 9fP
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EKS2 Erkin-Say 1.89 352 P
SNR=13

EKS2 Erkin-Say 1.89 352fP
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EKS2 Erkin-Say 1.89 352fP
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ARK Arkit 1.91 303fP
SNR=10

ARK Arkit 1.91 303fP
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ARK Arkit 1.91 303fP
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KBK Karagaybulak 1.97 18 P
SNR=13

KBK Karagaybulak 1.97 18fP
SNR=13

KBK Karagaybulak 1.97 18fP
SNR=13

MRKS Merke 2.06 341 P
7.3nm,0.4s

MRKS Merke 2.06 341fP
7.3nm,0.4s

MRKS Merke 2.06 341fP
7.3nm,0.4s

MRKS Merke 2.06 341fP
7.3nm,0.4s

MNAS Manas 2.08 325 eP
2.0nm,0.5s

MNAS Manas 2.08 325fP
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BOOM boom 1fS
CHMS Chumysh 2.26 12fP
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TKM2 Tokmak 2 2.40 27 P
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2013 FEB

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like HNR Honiara, MARNC Mare, DZM Dzumac, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like STKA Stephens Creek, WBR2 Warramunga Arr, WRA Warramunga, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like PPT2, BBSI Bau Bau, MATI MATI, etc.

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like H01W3 Cape Leeuwijn, H01W2 Cape Leeuwijn, SCZP Santa Cruz, etc.

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like PTCN comp=Z,51um,19.0s, SKR Severo-Kuril's, MSJR Dabo, etc.

Table with columns for station ID, name, frequency, power, and signal strength. Includes stations like PPSI Padang, PPSI Pulau Pagai, IPMI Ioch, etc.



107A	Ize	86.52	44	eP	P	15 39 19.8	-0.4
GUN	Gumba	86.59	299	eP	P	15 39 19.8	-1.4
TUQ	Turquoise Moun	86.60	53	P	P	15 39 19.6	-1.2
WVOR	Wild Horse Val	86.60	46	eP	LR	15 39 20.5	-0.2
WVOR	Wild Horse Val	86.60	46	eP	MLR	15 39 20.5	-0.2
GMRC	Granite Mounta	86.63	54	P	P	15 39 20.3	-0.8
TPNV	Topopah Spring	86.76	52	eP	P	15 39 22.3	+0.6
TPNV	Topopah Spring	86.76	52	eP	P	15 39 22.3	+0.6
TPNV	Topopah Spring	86.76	52	eP	P	15 39 21.3	-0.3
LTY	Liberty	86.78	41	eP	P	15 39 22.4	+1.0
GLA	Glamis	86.84	56	eP	P	15 39 23.4	+1.4
GLA	Glamis	86.84	56	eP	P	15 39 23.4	+1.4
GLA	Glamis	86.84	56	eP	P	15 39 21.5	-0.5
C06D	Leavenworth	86.87	40	P	P	15 39 22.4	+0.7
IRM	Iron Mountain	86.87	55	P	P	15 39 22.3	+0.2
PKI	Pulchoki	86.91	299	eP	P	15 39 20.8	-2.0
PALK	Pallekele	86.92	278	eP	P	15 39 23.4	+0.7
PKIN	Pulchoki	86.92	299	eP	P	15 39 20.9	-1.9
DMN	Daman	87.18	289	eP	P	15 39 22.5	-1.5
HAWA	Hanford	87.24	42	eP	P	15 39 23.6	0.0
HAWA	Hanford	87.24	42	eP	LR	15 39 23.6	0.0
Y12C	Blythe	87.27	55	P	P	15 39 24.3	+0.4
NEE2	Needles Airpor	87.45	54	P	P	15 39 25.0	+0.1
SHPR	Sheep Range	87.52	52	eP	P	15 39 25.8	+0.6
EPYK	Eagle Plains	87.53	20	eP	P	15 39 25.2	+0.7
EPYK	Eagle Plains	87.53	20	eP	P	15 39 25.3	+0.7
R11A	Troy Canyon, C	87.65	50	eP	P	15 39 26.4	+0.4
R11A	Troy Canyon, C	87.65	50	eP	P	15 39 25.8	-0.1
PDMC1	Parker Dam,Lak	87.72	55	P	P	15 39 25.9	-0.2
D08A	Wollman Farm,	87.85	41	eP	P	15 39 26.9	+0.4
W13A	Hualapai Mount	88.12	54	eP	P	15 39 29.1	+0.7
214A	Organ Pipe Nat	88.22	57	P	P	15 39 28.3	-0.4
BMO	Blue Mountains	88.25	44	eP	P	15 39 28.4	-0.2
BMO	Blue Mountains	88.25	44	eP	LR	15 39 28.4	-0.2
BMO	Blue Mountains	88.25	44	eP	MLR	15 39 28.4	-0.2
MDRS	Chennai	88.50	284	eP	I Amb	15 39 30.2	0.0
MDRS	Chennai	88.50	284	eP	I Amb	15 39 41.8	
DANN	Dangsing	88.51	299	eP	P	15 39 28.0	-2.4
KOLN	Koldana	88.52	298	eP	P	15 39 28.0	-2.4
ELK	Elko	88.55	48	eP	P	15 39 30.2	-0.1
ELK	Elko	88.55	48	eP	P	15 39 30.2	-0.1
F10A	Beach Ranch, E	88.63	43	eP	P	15 39 30.6	+0.2
LCMT	Little Creek H	89.10	52	eP	P	15 39 33.6	+0.8
PYUN	Piuthan	89.11	299	eP	P	15 39 30.6	-2.6
CCUT	Cedar City	89.14	52	eP	P	15 39 33.7	+0.6
WMQ	Urumqi	89.27	315	eP	P	15 39 32.1	-1.2
WMQ	Urumqi	89.27	315	eP	P	15 39 39.7	-0.7
WMQ	Urumqi	89.27	315	eP	P	15 39 48.1	+5.1
WMQ	Urumqi	89.27	315	eP	P	15 43 06.8	+5.3
WMQ	Urumqi	89.27	315	eP	P	15 49 59.9	-2.3
WMQ	Urumqi	89.27	315	eP	P	15 50 19.0	-2.8
WMQ	Urumqi	89.27	315	eP	P	15 50 39.7	+6.2
WMQ	Urumqi	89.27	315	eP	P	15 56 16.0	-0.7
WMQ	Urumqi	89.27	315	eP	P	15 59 33.7	+0.6
WMQ	Urumqi	89.27	315	eP	P	15 39 32.1	-1.2
WMQ	Urumqi	89.27	315	eP	P	15 39 31.9	-1.4
NEW	Newport	89.37	41	eP	LR	15 39 33.5	-0.2
NEW	Newport	89.37	41	eP	MLR	15 39 33.5	-0.2
NEW	Newport	89.37	41	eP	P	15 39 34.0	+0.3
KNB	Kanab	89.43	52	eP	P	15 39 35.1	+0.7
INK	Inuk	89.63	19	eP	P	15 39 34.9	+0.6
INK	Inuk	89.63	19	eP	P	15 05 16.9	
INK	Inuk	89.63	19	eP	P	15 39 34.9	+0.6
INK	Inuk	89.63	19	eP	P	15 05 16.8	+2.1
INK	Inuk	89.63	19	eP	P	16 14 31.0	
U15A	North Rim	89.70	53	eP	P	15 39 36.5	+0.7
HLID	Halley	89.89	46	eP	LR	15 39 37.2	+0.8
HLID	Halley	89.89	46	eP	LR	15 39 36.5	+0.1
X16A	Lo Mia Camp, P	89.91	55	eP	P	15 39 37.4	+0.7
TUC	Tucson	89.97	57	eP	LR	15 39 38.0	+1.1
TUC	Tucson	89.97	57	eP	LR	15 39 37.6	+0.7
MTPU	Mount Pierson	90.17	51	eP	P	15 39 39.0	+0.9
DUG	Dugway, Tooele	90.20	49	eP	P	15 39 37.6	-0.3
DUG	Dugway, Tooele	90.20	49	eP	LR	15 39 37.6	-0.3
DUG	Dugway, Tooele	90.20	49	eP	MLR	15 39 37.6	-0.3
DUG	Dugway, Tooele	90.20	49	eP	P	15 39 37.9	0.0
WUAZ	Wupatki	90.21	54	eP	LR	15 39 39.3	+1.2
WUAZ	Wupatki	90.21	54	eP	P	15 39 38.7	+0.6
BGU	Big Grassy Mou	90.22	48	eP	P	15 39 38.0	0.0
MSU	Marysvale	90.28	51	eP	P	15 39 39.9	+1.5
MSU	Marysvale	90.28	51	eP	P	15 39 39.9	+1.5
HVU	Hansel Valley	90.61	48	eP	P	15 39 40.8	+0.8
HVU	Hansel Valley	90.61	48	eP	P	15 39 40.6	+0.8
NLU	North Lily Min	90.70	50	eP	P	15 39 40.9	+0.5
JBP	Jabalpur	90.74	293	eP	x	15 39 40.4	-0.2
JBP	Jabalpur	90.74	293	eP	x	15 45 52.2	
JBP	Jabalpur	90.74	293	eP	AMS	16 13 14.5	
TRD	Trivandrum	90.79	278	eP	I Amb	15 39 40.7	-0.3
TRD	Trivandrum	90.79	278	eP	I Amb	15 40 06.7	
HYB	Hyderabad	90.94	287	iP	P	15 39 41.5	-0.2
HYB	Hyderabad	90.94	287	iP	PP	15 43 20.0	+1.9
HYB	Hyderabad	90.94	287	iP	eSKS	15 50 12.0	-1.0
HYB	Hyderabad	90.94	287	iP	ePS	15 51 50.0	+1.2
HYB	Hyderabad	90.94	287	iP	P	15 39 41.5	-0.2
DGZ	Jazzator, Alta	91.03	320	eP	P	15 39 40.0	-1.5
MPU	Maple Canyon	91.04	50	eP	P	15 39 42.9	+1.0

MSO	Missoula	91.05	43	P	P	15 39 41.7	0.0
CTU	Camp Tracy	91.11	49	eP	P	15 39 43.3	+1.2
NGP	Nagpur	91.20	291	eP	I Amb	15 39 41.3	-1.5
NGP	Nagpur	91.20	291	eP	I Amb	15 39 52.4	
NGP	Nagpur	91.20	291	eP	x	15 50 44.4	
NGP	Nagpur	91.20	291	eP	x	16 20 14.9	
TMUT	Trail Mountain	91.20	50	eP	P	15 39 43.8	+1.0
MCMT	McKenzie Canyo	91.30	45	eP	P	15 39 43.6	+0.6
JLU	Jordanelle	91.31	49	eP	P	15 39 43.9	+0.7
W18A	Petrified Fore	91.43	55	eP	P	15 39 44.6	+0.8
W18A	Petrified Fore	91.43	55	eP	P	15 39 43.6	-0.2
TCUT	Toone Canyon	91.46	49	eP	P	15 39 44.5	+0.6
DLMT	Dillon	91.60	44	eP	P	15 39 45.2	+0.9
WALA	Waterton Lakes	91.64	40	eP	P	15 39 44.8	+0.5
SRU	San Rafael Swe	91.67	51	eP	P	15 39 46.1	+1.3
SRU	San Rafael Swe	91.67	51	eP	P	15 39 46.1	+1.3
LRM	Limekill Ridge	91.81	44	eP	P	15 39 45.7	+0.3
SYO	Syowa Base	92.04	197	iP	P	15 39 44.4	-1.3
SYO	Syowa Base	92.04	197	iP	P	15 39 55.0	+9.3
AHID	Auburn Hatcher	92.05	47	eP	P	15 39 46.0	-0.5
AHID	Auburn Hatcher	92.05	47	eP	LR	15 39 46.0	-0.5
ZSN	Zaisan	92.11	318	eP	P	15 39 44.6	-1.8
ZSN	Zaisan	92.11	318	eP	P	15 39 44.6	-1.8
ZSN	Zaisan	92.11	318	eP	MLR	15 39 44.6	-1.8
ZSN	Zaisan	92.11	318	eP	MLR	15 39 44.6	-1.8
ZSN	Zaisan	92.11	318	eP	LR	15 39 44.6	-1.8
ZSN	Zaisan	92.11	318	eP	LR	15 39 44.6	-1.8
DGAR	Diego Garcia	92.22	262	P	P	15 40 00.0	+1.2
DGAR	Diego Garcia	92.22	262	P	LR	15 40 00.0	+1.2
FXWV	Fox Creek	92.30	46	eP	P	15 39 48.1	+0.5
BOZ	Bozeman (W)	92.32	44	eP	LR	15 39 48.1	+0.5
BOZ	Bozeman (W)	92.32	44	eP	LR	15 39 48.1	+0.5
BOZ	Bozeman (W)	92.32	44	eP	MLR	15 39 48.1	+0.5
BOZ	Bozeman (W)	92.32	44	eP	MLR	15 39 48.1	+0.5
BOZ	Bozeman (W)	92.32	44	eP	P	15 39 47.7	+0.1
TPAW	Teton Pass	92.32	46	eP	P	15 39 47.5	-0.3
YHB	Horse Butte	92.43	45	eP	P	15 39 49.8	+1.6
HRY	Holter Researc	92.43	43	eP	P	15 39 48.0	-0.1
121A	Cookes Peak, D	92.50	58	P	P	15 39 49.3	+0.5
MOOV	Moose Pond	92.52	46	eP	P	15 39 49.2	+0.5
WHR	Wheat River	92.57	45	eP	P	15 39 50.2	+1.4
LOHW	Long Hollow	92.59	46	eP	P	15 39 49.3	+0.3
FLWY	Flagg Ranch	92.63	46	eP	P	15 39 49.2	+0.1
PV03	Paradox Valley	92.78	52	eP	P	15 39 51.5	+1.5
H17A	Grant Village	92.78	45	eP	P	15 39 52.1	+2.2
H17A	Grant Village	92.78	45	eP	P	15 39 50.7	+0.7
MVCO	Mesa Verde	92.84	53	P	P	15 40 00.0	+1.0
MVCO	Mesa Verde	92.84	53	P	LR	15 40 00.0	+1.0
MVCO	Mesa Verde	92.84	53	P	P	15 39 49.9	-0.4
MVCO	Mesa Verde	92.84	53	P	P	15 39 52.3	+1.7
LKWY	Lake	92.94	45	eP	P	15 39 52.3	+1.7
LKWY	Lake	92.94	45	eP	LR	15 39 52.3	+1.7
BHPL	Bhopal	93.07	293	eP	I Amb	15 39 49.0	-2.4
BHPL	Bhopal	93.07	293	eP	I Amb	15 39 56.4	
BW06	Boulder Array	93.16	47	eP	LR	15 39 51.9	+0.3
BW06	Boulder Array	93.16	47	eP	LR	15 39 51.0	-0.6
PD31	Pinedale Array	93.17	47	eP	P	15 39 51.9	+0.1
PDAR	Pinedale Array	93.16	47	eP	P	15 39 51.8	+0.1
PDAR	Pinedale Array	93.16	47	eP	P	15 39 50.5	+0.1
PDAR	Pinedale Array	93.16	47	eP	P	16 05 11.8	
PDAR	Pinedale Array	93.16	47	eP	P	15 39 51.4	-0.3
PDAR	Pinedale Array	93.16	47	eP	P	15 57 00.5	+0.1
PDAR	Pinedale Array	93.16	47	eP	P	16 05 11.8	
PDAR	Pinedale Array	93.16	47	eP	LR	16 18 04.5	
LENM	Lemitar	93.48	56	eP	P	15 39 54.5	+1.2
O20A	White River Ci	93.61	50	eP	P	15 39 53.6	-0.2
ZAAO	Zalesovo Array	93.66	324	eP	P	15 39 51.7	-1.7
ZALV	Zalesovo Beam	93.66	324	eP	P	15 39 51.9	-1.5
ZALV	Zalesovo Beam	93.66	324	eP	P	15 56 58.6	-0.9
ZALV	Zalesovo Beam	93.66	324	eP	P	16 05 09.7	
MK01	Makanchi Array	93.67	317	eP	P	15 39 52.3	-1.3
MK31	Makanchi Array	93.68	317	eP	P	15 39 52.5	-1.2
MK31	Makanchi Array	93.68	317	eP	P	15 39 52.5	-1.2
MKAR	Makanchi Array	93.68	317	eP	P	15 39 51.9	-1.8
MKAR	Makanchi Array	93.68	317	eP	P	15 39 52.5	-1.2
MKAR	Makanchi Array	93.68	317	eP	P	15 39 52.5	



8d 15h

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like AAA Alma-Ata, KURBB Kurchatov Arra, and many others.

2013 FEB

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like SCIA State Center, EYMN Ely, and many others.

2013 FEB

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like VRH, SCHO Schefferville, and many others.





mb4.6/23, Error ellipse: s-maj=8.4km s-min=7.5km az=151.7
NEIC 08 15:46:12.5:0.4, 10.705:166.13E, h10km, mb4.8/9, Error ellipse: s-maj=9.7km s-min=7.8km az=110.0
ISC 08 15:46:12.8:0.6, 10.755:166.17E, 0.08, h10km, n45, s=109/41, mb4.7/23, 1C, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data.

ISC 08 15:48:00.9:1.6, 11.195:165.40E, h0km, mb4.2/5, mb1 4.4/6, mb1mx3.9/43, mbtmp4.2/6, ML4.2/1, Error ellipse: s-maj=50.3km s-min=27.2km az=120.0
ISC/CB 08 15:48:03.5:1.3, 11.45:0.1:165.4E:0.2, h30km, mb4.2/5, Error ellipse: s-maj=31.5km s-min=20.5km az=2.0
ISC 08 15:48:05.3:1.1, 11.35:0.1:165.4E:0.2, h30km, n6, s=050/6, mb4.1/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the 15:48:00-15:48:05 interval.

ISC/CB 08 15:52:32.9:0.9, 10.915:166.98E:0.09, h10km, mb4.1/8, MS5.7/1, Error ellipse: s-maj=15.2km s-min=8.1km az=139.5
ISC 08 15:52:32.7:1.0, 10.865:166:01E, h0km, mb4.2/8, mb1 4.4/10, mb1mx4.0/49, mbtmp4.4/10, ML5.0/2, MS5.7/1, Ms 1.5/7.1, ms1mx4.8/39, Error ellipse: s-maj=24.8km s-min=20.0km az=65.0
ISC 08 15:52:34.3:1.0, 10.85:0.1:166.1E:0.1, h10km, n18, s=086/13, mb4.2/8, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the 15:52:32-15:52:34 interval.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the 15:55:58-15:56:04 interval.

ISC 08 15:55:58.1:0.7, 10.689:166.42E, h0km, mb4.1/12, mb1 4.3/13, mb1mx4.1/45, mbtmp4.2/13, ML5.3/1, Error ellipse: s-maj=20.3km s-min=17.2km az=136.0
NEIC 08 15:55:59.5:0.3, 10.733:166.43E, h10km, mb4.8/3, Error ellipse: s-maj=10.1km s-min=7.6km az=135.0
ISC 08 15:56:04.1:0.6, 10.65:0.1:166.34E:0.09, h36km, n61, s=158/38, mb4.6/31, 1C, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the 15:55:58-15:56:04 interval.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the 15:59:35-15:59:41 interval.

ISC 08 15:59:35.4:1.1, 34.61N:26.74E, h0km, mb3.7/8, mb1 3.7/14, mb1mx3.5/55, mbtmp3.5/14, ML3.7/5, Error ellipse: s-maj=22.2km s-min=13.8km az=1.0
THE 08 15:59:35.5, 34.60N:26.39E, h0km, 1km, ML3.1/2, Error ellipse: s-maj=2.6km s-min=0.8km az=174.0
ATH 08 15:59:38.0, 34.84N:26.44E, h31km, 1km, ML3.1/7, Error ellipse: s-maj=5.2km s-min=1.3km az=344.0
ISC 08 15:59:35.4:1.6, 34.59N:0.07:26.54E:0.04, h28km, 11km, n38, s=169/44, mb3.6/8, Crete

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the 15:59:35-15:59:41 interval.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the 15:57:44-15:57:48 interval.

NEIC 08 15:57:44.0:0.4, 34.925:71.84W, h4km, ML4.0(GUC), After GUC.
NEIC Felt [III] at Talca and [II] at Chepica, Curico and Romeral.
GUC 08 15:57:44.8:0.4, 34.925:71.84W, h4km, 7km, ML4.0
SJA 08 15:57:44.8:0.7, 34.775:71.84W, h40km, 33km, ML3.3, MW3.8
ISC 08 15:57:39.8:1.9, 34.965:0.04:71.69W:0.09, h13km, 15km, n27, s=197/30, 5C-10, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the 15:57:44-15:57:48 interval.

ISC 08 15:59:31.4:1.1, 34.61N:26.74E, h0km, mb3.7/8, mb1 3.7/14, mb1mx3.5/55, mbtmp3.5/14, ML3.7/5, Error ellipse: s-maj=22.2km s-min=13.8km az=1.0
THE 08 15:59:35.5, 34.60N:26.39E, h0km, 1km, ML3.1/2, Error ellipse: s-maj=2.6km s-min=0.8km az=174.0
ATH 08 15:59:38.0, 34.84N:26.44E, h31km, 1km, ML3.1/7, Error ellipse: s-maj=5.2km s-min=1.3km az=344.0
ISC 08 15:59:35.4:1.6, 34.59N:0.07:26.54E:0.04, h28km, 11km, n38, s=169/44, mb3.6/8, Crete

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists seismic stations for the 15:59:35-15:59:41 interval.









Table with columns: Call Sign, Name, Frequency, Mode, Band, Azimuth, Elevation, and other parameters. Includes stations like KOTYS Kotyrbulak, MDOK Medeo, ARXS Arharly, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Band, Azimuth, Elevation, and other parameters. Includes stations like WHF Hehuan Shan, TWI Taichung, WJWS Zhushan, etc.

WSF	baz=240	eS	Sb	17 25 39.9	+0.8	
ELDTW	Lidau	0.83 179	eP	Pg	17 25 28.3	-0.8
WLGB	Puzi	0.84 230	eP	Pg	17 25 28.1	-1.0
WLBG	baz=228	eS	Sb	17 25 40.6	+0.7	
WTP	Ta-pu	0.85 204	eP	Pg	17 25 28.5	-0.9
WTP	baz=202	eS	Sb	17 25 40.4	0.0	
NWLT	Wulai	0.88 31	eP	Pg	17 25 28.9	-1.0
STYT	Taiyuan	0.89 194	eP	Pb	17 25 29.3	-0.4
STYT	baz=192	eS	Sb	17 25 41.3	-0.1	
TWK	Hsiyung	0.89 212	eP	Pg	17 25 29.1	-1.0
TWE	Neicheng	0.92 41	eP	Pg	17 25 29.8	-0.9
SNST	Tainan City	0.92 210	eP	Pb	17 25 30.0	-0.4
SNST	baz=208	eS	Sb	17 25 43.6	+1.2	
CHN1	Nanshi	0.94 207	eP	Pn	17 25 31.0	-0.3
CHN1	baz=205	eS	Sb	17 25 43.4	+0.4	
NCUH	Zhongli	0.95 10	eP	Pn	17 25 31.8	+0.3
NCU	National Centr	0.96 10	eP	Pn	17 25 31.3	-0.2
TWC	Suao	0.97 53	eP	Pg	17 25 31.0	-0.1
TWC	baz=53	eS	Sb	17 25 43.5	-0.8	
CHKT	Chengkung	0.98 160	eP	Pg	17 25 30.4	-1.5
CHN8	Yju	0.99 227	eP	Pg	17 25 30.9	-1.1
CHN8	baz=224	eS	Sb	17 25 45.2	+1.0	
ILA	Ilan	1.00 43	eP	Pn	17 25 32.2	+0.1
SGST	Jiashian	1.01 202	eP	Pb	17 25 31.9	-0.1
SGST	baz=210	S	Sn	17 25 46.9	+0.8	
TATO	Taipei	1.05 25	eP	Pn	17 25 32.7	0.0
TATO	baz=28	eS	Sn	17 25 48.8	+1.9	
NHHD	Xindian Distri	1.05 27	eP	Pn	17 25 32.8	0.0
SLGT	Liugui	1.08 198	eP	Pb	17 25 33.1	+0.1
SLGT	baz=195	eS	Sn	17 25 48.0	+0.3	
TWA	Mucha	1.09 29	eP	Pg	17 25 32.8	-1.2
TWA	baz=33	eS	Sn	17 25 50.1	+2.0	
CHN3	Shinhua	1.11 212	eP	Pn	17 25 34.2	+0.6
NTC	Toucheng	1.12 42	eP	Pn	17 25 33.9	+0.2
EOS1	EOS1	1.16 63	eP	Pn	17 25 34.7	+0.5
TWG	Pinlang	1.20 177	eP	Pb	17 25 34.8	-0.3
TWG	baz=169	eS	Sn	17 25 52.2	+1.4	
TWGBT	Beinan	1.21 176	eP	Pn	17 25 35.1	+0.2
TWGBT	baz=169	eS	Sn	17 25 52.2	+1.4	
NTST	Danshui	1.21 20	eP	Pg	17 25 36.0	-0.1
TIPB	Shuangxi	1.21 38	eP	Pn	17 25 35.2	+0.3
TIPB	baz=39	eS	Sb	17 25 50.8	-1.1	
TAI1	Yung-k'ang	1.21 216	eP	Pb	17 25 35.0	-0.3
YM04	YM04	1.23 23	eP	Pg	17 25 36.2	-0.3
YM01	YM01	1.23 25	eP	Pb	17 25 34.6	-1.1
YM05	YM05	1.25 24	eP	Pg	17 25 35.8	-0.1
YM11	YM11	1.25 25	eP	Pg	17 25 36.4	+0.6
NWF	Wu-fen Shan	1.26 34	eP	Pg	17 25 37.2	0.0
WFSB	Wu-fen Shan	1.26 34	eP	Pg	17 25 37.1	0.0
YM08	YM08	1.28 25	eP	Pg	17 25 36.4	-1.0
TWM1	Shoushan	1.31 204	eP	Pg	17 25 37.2	-0.8
SSD	Sandimen	1.32 195	eP	Pn	17 25 36.5	0.0
TWB1	Santiao Chiao	1.33 42	eP	Pg	17 25 37.8	-0.7
SGLT	Jiouru	1.38 200	eP	Pb	17 25 38.0	0.0
PHUB	Peng-hu	1.40 249	eP	Pn	17 25 36.3	-1.3
ECL	Taimali	1.42 182	eP	Pb	17 25 38.6	-0.3
WDGT	Dungli	1.45 238	eP	Pn	17 25 36.3	-1.8
MASBT	Mashibulo	1.45 193	eP	Pn	17 25 38.7	+0.4
MASBT	baz=191	eS	Sb	17 25 57.9	+0.5	
SSPT	Xinbi	1.58 195	eP	Pn	17 25 40.4	+0.4
EAST	Anshuo	1.64 185	eP	Pn	17 25 41.6	+0.7
VCHM	Qimei	1.65 241	eP	Pn	17 25 40.2	-0.9
VCHM	baz=239	eS	Sn	17 26 02.0	+0.1	
SCZT	Fangliang	1.68 192	eP	Pn	17 25 42.0	+0.6
VVUC	VVUC	1.71 305	eP	Pn	17 25 40.1	-1.7
PTTC	Pingtan	1.84 323	eP	Pn	17 25 42.1	-1.5
YOJ	Yonaguni jima	1.89 76	P	Pb	17 25 46.2	-0.6
YOJ	baz=34	eS	Sb	17 26 10.6	+0.5	
PTMZ	Houxiangcun	1.99 301	eP	Pn	17 25 45.1	-0.5
TWKBT	Hengchun	2.08 185	eP	Pn	17 25 47.3	+0.3
MATB	Ma-tsu	2.32 336	eP	Pn	17 25 49.8	-0.5
KNMB	Chin-men Tao	2.42 281	eP	Pn	17 25 50.6	-1.0
IRIF	Iriomote-Funau	2.51 82	P	Sn	17 25 54.0	+1.1
HATJ	Hateruma jima	2.57 89	eP	Pn	17 25 55.5	+2.0
HATJ	baz=34	eS	Sb	17 26 28.0	-1.7	
MHZQ	Yeshan	2.73 320	eP	Pn	17 25 54.9	-0.9
LYJJ	Jianjiangzhen	2.75 336	eP	Pn	17 25 55.4	-0.8
JKRS	Kuro-shima	2.76 85	P	Sn	17 25 57.4	+1.1
JKRS	baz=35	S	Sn	17 26 32.2	+3.0	
JIJ	Ishigaki jima	2.89 83	P	Sn	17 25 59.8	+1.7
JIJ	baz=34	eS	Sn	17 26 34.8	+2.3	
AXDP	Jiangang	2.89 288	eP	Pn	17 25 57.4	-0.8
ZPLA	Ao Xicun	2.97 269	eP	Pn	17 25 58.2	-1.0
XPSS	Dashiqu	2.98 346	eP	Pn	17 25 58.3	-1.1
JISG	Ishigakijimahi	3.07 79	P	Sn	17 26 01.1	+0.5
JISG	baz=268	S	Sn	17 26 37.6	+0.6	
ZZJH	Jiuhuzhen	3.11 279	eP	Pn	17 25 60.0	-1.1
JTJ	Tarama	3.43 79	eS	Sn	17 26 49.2	+3.3

ISCJB 08 17:26:12.9, 1.1, 10.8S; 0.1x166.1E; 0.2, h35km, mb3.9/6, Error ellipse: s-maj=22.5km s-min=17.5km az=156.9

IDD 08 17:26:17.4, 3.9, 10.88S; 166.12E, h63km, mb3.7/6, mb1 4.0/8, mb1mx3.7/34, mbtmp4.1/8, ML4.3/2, Error ellipse: s-maj=36.4km s-min=27.8km az=142.0

ISC 08 17:26:14.4, 1.2, 10.7S; 0.1x166.2E; 0.2, h35km, n15, c#1319, mb4.0/6, Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time h m s	Res ISC
HNR	Honiara	6.30	281	Op	17 27 46.5	+1.5
DZM	Mont Dzumac	11.29	179	P	17 28 54.7	+1.0
H11S2	WAKE ISLAND Hy 29.05	1	T	T	18 02 37.3	
H11S3	WAKE ISLAND Hy 29.03	1	T	T	18 02 38.8	
H11S1	WAKE ISLAND Hy 29.05	1	T	T	18 02 40.3	
H11N1	WAKE ISLAND Hy 30.25	1	T	T	18 04 09.0	
H11N3	WAKE ISLAND Hy 30.25	1	T	T	18 04 09.4	
H11N2	WAKE ISLAND Hy 30.27	1	T	T	18 04 10.4	
WRA	Warrungarra Arr	32.03	250	P	17 32 36.7	-1.3
ASAR	Alice Springs	33.35	243	P	17 32 47.8	-1.8
FITZ	Fitzroy Crossi	39.91	255	P	17 33 44.8	-0.7
CMAR	Chiang Mai Arr	72.41	293	P	17 37 38.0	+0.3
ILAR	Eielson Array	83.06	18	P	17 38 36.6	+0.6
MKAR	Makanchi Array	93.50	317	P	17 49 26.8	-0.3
ARCS	ARCES Array B	116.14	346	PKIP	17 37 52.4	-1.0

NEIC 08 17:26:55.4, 0.4, 10.95S; 165.96E, h10km, mb5.1/29, Error ellipse: s-maj=9.9km s-min=6.6km az=66.0

ISCJB 08 17:26:57.3, 0.4, 11.03S; 0.05x165.90E; 0.06, h35km, mb5.0/35, Error ellipse: s-maj=9.4km s-min=5.8km az=143.8

IDD 08 17:27:00.5, 3.6, 11.03S; 165.99E, h48km, mb4.0/8, mb1 4.2/10, mb1mx3.9/35, mbtmp4.4/10, ML4.4/2, Error ellipse: s-maj=36.1km s-min=28.4km az=143.0

ISC 08 17:26:59.3, 0.6, 10.96S; 0.08x165.94E; 0.09, h35km, n56, c#1510/57, mb5.2/36, Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time h m s	Res ISC
HNR	Honiara	6.09	284	Op	17 28 27.0	+0.1
HNR	Honiara	6.09	284	eS	17 29 36.0	+0.5
HNR	Honiara	6.09	284	ePn	17 28 27.2	+0.3
HNR	Honiara	6.09	284	P	17 28 27.9	+0.0
MARNC	Mare, Loyalty	10.65	169	ePn	17 29 30.4	+1.0
DZM	Mont Dzumac	11.05	178	P	17 29 35.2	+0.1
DZM	Mont Dzumac	11.05	178	P	17 29 36.2	+1.0
PINNC	Pines Island,	11.67	173	ePn	17 29 46.2	+2.7
MANU	Manus Island	20.45	294	eP	17 31 35.5	+1.4
CTA	Charters Tower	21.00	242	P	17 31 41.1	+1.1
CTAO	Charters Tower	21.00	242	P	17 31 40.9	+0.9
LHI	Lord Howe Isla	21.42	196	eP	17 31 43.4	-0.9
COEN	Coen	22.42	260	eP	17 31 54.6	-0.7
BKZ	Black Stump Fm	29.62	163	eP	17 33 01.2	-0.2
BFZ	Birch Farm	30.97	165	eP	17 33 11.9	-1.3
THZ	Tophouse	31.28	170	eP	17 33 15.2	-0.8
WRAB	Tennant Creek	31.68	250	eP	17 33 19.0	-0.8
WB2	Warrungarra Arr	31.68	250	eP	17 33 18.8	-1.0
WR1	Warrungarra Arr	31.69	250	eP	17 33 19.4	-0.5
WRA	Warrungarra Arr	31.69	250	P	17 33 19.4	-0.5
KHZ	Kahurangi	32.03	169	eP	17 33 23.0	+0.5
FOZ	Fox Glacier	32.62	175	eP	17 33 26.0	-1.7
RPZ	Rat Peaks	32.93	173	eP	17 33 31.3	+0.8
AS01	Alice Springs	32.96	243	eP	17 33 29.6	-1.4
AS31	Alice Springs	33.00	243	eP	17 33 29.9	-1.4
ASAR	Alice Springs	33.00	243	P	17 33 30.1	-1.3
CRLZ	Canterbury Las	33.00	171	eP	17 33 30.9	-0.2
MOZ	McQueen's Vall	33.14	171	eP	17 33 30.4	-1.8
LBZ	Lake Benmore	33.50	174	eP	17 33 35.3	-0.1
SARN	Sargan	33.96	324	eP	17 33 40.0	+0.3
MLZ	Mavora Lakes	34.33	177	eP	17 33 43.3	+0.7
FITZ	Fitzroy Crossi	39.58	255	eP	17 34 27.4	-0.2
FITZ	Fitzroy Crossi	39.58	255	P	17 34 27.6	-0.1
TNTI	Ternate	40.08	284	eP	17 34 32.6	+0.8
BATI	Baumata	41.54	267	eP	17 34 45.5	+1.6
JNU	Nakatsue	55.13	324	eP	17 36 28.3	-0.1
YHNB	Yehung	56.08	310	eP	17 36 37.0	+1.6
CISI	Cimetop, Garu	57.40	268	eP	17 36 43.9	-1.1
XMIS	Christmas Isla	59.15	264	eP	17 36 55.0	-2.2
SSE	Sheshan	59.93	316	eP	17 37 01.5	-0.7
KS01	Wonju Array Si	59.95	325	eP	17 37 01.4	-0.7
NIKH	Nikoiski High	67.24	16	P	17 37 49.4	-0.6
COCO	West Island	67.54	261	eP	17 37 50.0	-2.7
CM01	Chiang Mai Arr	72.23	293	eP	17 38 21.0	+0.2
CM31	Chiang Mai Arr	72.25	293	eP	17 38 22.2	+0.6
CMAR	Chiang Mai Arr	72.25	293	P	17 38 22.4	+0.8
ULN	Ulanabat	78.35	324	eP	17 38 56.5	+0.2
SUA	Susitna One	79.79	20	eP	17 39 03.9	+0.1
ILAR	Eielson Array	83.38	18	P	17 39 22.3	-0.2
MOD	McDougal Plateau	85.45	46	eP	17 39 35.9	+2.1
M0K1	Makanchi Array	93.58	317	eP	17 40 10.8	-1.1
MK31	Makanchi Array	93.59	317	eP	17 40 11.3	-0.7
MK32	Makanchi Array	93.59	317	eP	17 40 11.6	-0.4
MKAR	Makanchi Array	93.59	317	P	17 40 11.6	-0.4
ARAO	ARCES Array S	116.30	346	ePKPdf	17 45 37.3	-1.3
ARCS	ARCES Array B	116.30	346	PKPdf	17 45 37.3	-1.3

IDD 08 17:30:05.7, 4.0, 10.70S; 165.49E, h67km, mb3.6/3, mb1 3.9/5, mb1mx3.4/35, mbtmp4.0/5, ML4.0/2, Error ellipse: s-maj=37.7km s-min=34.5km az=136.0, Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time h m s	Res ISC
HNR	Honiara	5.60	283	Op	17 31 26.4	-0.1

DZM	Mont Dzumac	11.34	175	P	Pn	17 32 45.2	+0.1
WRA	Warrungarra Arr	31.37	249	P	P	17 36 21.2	+0.8
ASAR	Alice Springs	32.72	243	P	P	17 36 31.2	-1.1
ILAR	Eielson Array	83.27	19	P	P	17 42 24.7	0.0

NNC 08 17:31:34.6, 3.7, 42.56N; 79.56E, h0km, mb2.7, mpv2.3, Error ellipse: s-maj=24.0km s-min=15.7km az=128.0

SOME 08 17:31:35.5, 4.5, 42.57N; 79.65E, h15km

KRNET 08 17:31:35.0, 0.1, 42.58N; 79.67E, h16km, mb2.2

ISC 08 17:31:35.1, 1.8, 42.59N; 0.05x79.50E; 0.05, h1km, n12km, n24, c#18/45, 9C-10D, Lake Issyk-Kul region

Code	Station Name	Δ°	AZ°	Phase ID	Time h m s	Res ISC
UZB	Uzymbulak					

















PV15	Paradox Valley	99.08	52	P	Pdif	18 13 25.9 +1.0
GEYT	Albeick	99.11	307	P	Pdif	18 13 23.9 -0.9
GEYT	Albeick	99.11	307	P	Pdif	18 13 23.9 -0.9
AKTO	Aktuyubinsk	99.13	320	P	Pdif	18 13 21.8 -2.7
O2A0	White River Ci	99.28	50	P	Pdif	18 13 26.9 +1.3
O2A0	White River Ci	99.28	50	P	Pdif	18 13 26.7 +1.0
SMCO	Snowmass	100.26	51	ePdif	Pdif	18 13 32.2 +1.9
S22A	4UR Ranch, Cre	100.38	53	ePdif	Pdif	18 13 33.3 +2.6
S22A	4UR Ranch, Cre	100.38	53	ePdif	Pdif	18 13 32.9 +2.2
K22A	Casper	100.55	48	ePdif	Pdif	18 13 31.2 0.0
K22A	Casper	100.55	48	ePdif	Pdif	18 13 31.6 +0.4
LAO	LASA Array	100.65	44	ePdif	Pdif	18 13 32.2 +0.8
LAO	LASA Array	100.65	44	ePdif	Pdif	18 13 32.4 +1.0
ANMO	Albuquerque	100.67	56	ePdif	Pdif	18 13 34.2 +2.3
ANMO	Albuquerque	100.67	56	ePdif	Pdif	18 13 32.0 0.0
ANMO	Albuquerque	100.67	56	ePdif	Pdif	18 13 33.2 +1.2
ANMO	Albuquerque	100.67	56	ePdif	Pdif	18 13 34.3 +2.3
SNAAS	Sanae	100.86	1871	eP	Pdif	18 13 31.5 -0.4
N23A	Red Feather La	101.02	50	ePdif	Pdif	18 13 34.8 +1.3
N23A	Red Feather La	101.02	50	ePdif	Pdif	18 13 34.4 +0.9
RES	Resolute Bay	101.29	15	P	Pdif	18 13 33.9 +0.4
ISCO	Idaho Springs	101.30	51	ePdif	Pdif	18 13 36.3 +1.5
ISCO	Idaho Springs	101.30	51	ePdif	Pdif	18 13 36.3 +1.5
ISCO	Idaho Springs	101.30	51	ePdif	Pdif	18 13 35.4 +0.6
PHWY	Pilot Hill	101.38	49	ePdif	Pdif	18 13 36.3 +1.2
SDCO	Great Sand Dun	101.43	53	PFAKE	LR	18 13 50.0 +1.5
MNTX	Cornudas Mount	101.56	59	PFAKE	LR	18 13 50.0 +1.4
Q24A	Divide	101.68	52	Pdif	Pdif	18 13 37.1 +0.6
DGMT	Dagmar	101.92	42	ePdif	Pdif	18 13 37.6 +0.6
DGMT	Dagmar	101.92	42	ePdif	Pdif	18 13 37.5 +0.5
RSSD	Black Hills	102.31	46	ePdif	Pdif	18 13 39.4 +0.4
RSSD	Black Hills	102.31	46	ePdif	Pdif	18 13 39.4 +0.4
RSSD	Black Hills	102.31	46	ePdif	Pdif	18 13 39.6 +0.6
FFC	Flin Flon	102.69	35	ePdif	LR	18 13 40.8 +0.7
FFC	Flin Flon	102.69	35	ePdif	LR	18 13 41.8 +1.6
LTX	Lajitas	103.04	61	ePdif	PP	18 13 44.3 +1.8
LTX	Lajitas	103.04	61	ePdif	PP	18 17 54.6 -3.7
LTX	Lajitas	103.04	61	ePdif	PP	18 18 03.2 +1.1
LTX	Lajitas	103.04	61	ePdif	PP	18 29 58.5 +1.0
LTX	Lajitas	103.04	61	ePdif	PP	18 13 44.3 +1.8
LTX	Lajitas	103.04	61	ePdif	PP	18 13 43.2 +1.8
TXAR	Lajitas Array	103.04	61	Pdif	Pdif	18 13 43.4 +1.8
TXAR	Lajitas Array	103.04	61	Pdif	Pdif	18 17 54.6 -3.7
TXAR	Lajitas Array	103.04	61	Pdif	Pdif	18 18 03.2 +1.1
TXAR	Lajitas Array	103.04	61	Pdif	Pdif	18 29 58.5 +1.0
TXAR	Lajitas Array	103.04	61	Pdif	Pdif	18 13 44.3 +1.8
TXAR	Lajitas Array	103.04	61	Pdif	Pdif	18 13 43.2 +1.8
ABPO	Ambohimpanom	104.45	249	PFAKE	LR	18 14 00.0 +1.1
PRGR	Permogore	104.55	332	iP	Pdif	18 13 46.3 -2.0
KBS	Kingsbay	105.03	353	PFAKE	LR	18 18 20.0 +1.6
TULEG	Thule	105.88	10	ePdif	Pdif	18 13 54.8 +0.9
CBKS	Cedar Bluff	105.91	52	PFAKE	LR	18 18 20.0 +1.3
CBKS	Cedar Bluff	105.91	52	PFAKE	LR	18 18 20.0 +1.2
JCT	Junction City	106.37	60	PFAKE	LR	18 18 20.0 +1.2
JCT	Junction City	106.37	60	PFAKE	LR	18 18 07.7 -0.4
ABTX	Ablene, Hawle	106.41	58	PKIKP	PKIKP	18 18 08.2 +0.1
LVZ	Lovozero	106.81	340	PFAKE	LR	18 18 20.0 +1.2
BGNE	Belgrade	106.86	49	PKIKP	PKIKP	18 18 09.0 +0.2
MAK	Makhachkala	106.91	313	eP	Pdif	18 13 56.8 -2.4
MAK	Makhachkala	106.91	313	eP	Pdif	18 18 24.0 0.0
MAK	Makhachkala	106.91	313	eP	Pdif	18 20 40.0 0.0
MAK	Makhachkala	106.91	313	eP	Pdif	18 24 31.3 0.0
MAK	Makhachkala	106.91	313	eP	Pdif	18 37 27.9 0.0
WMOK	Wichita Mounta	106.99	56	PKIKP	PKIKP	18 18 09.2 +0.1
TMCR	Tamitsa	107.08	336	eP	Pdif	18 13 57.7 -1.8
ULM	Lac du Bonnet	107.08	39	eP	Pdif	18 14 00.8 +1.0
ULM	Lac du Bonnet	107.08	39	eP	Pdif	18 14 00.6 +0.8
ULM	Lac du Bonnet	107.08	39	eP	Pdif	18 18 08.8 0.0
ULM	Lac du Bonnet	107.08	39	eP	Pdif	18 29 26.0 -1.9
APA	Apacity	107.39	340	iP	Pdif	18 13 58.4 -2.4
APA	Apacity	107.39	340	iP	Pdif	18 27 38.0 0.0
APA	Apacity	107.39	340	iP	Pdif	18 13 58.4 -2.4
KLMR	Klimovskoe	107.61	332	eP	Pdif	18 13 59.0 -2.9
KLMR	Klimovskoe	107.61	332	eP	Pdif	18 18 25.6 0.0
KLMR	Klimovskoe	107.61	332	eP	Pdif	18 13 59.0 -2.9
KLMR	Klimovskoe	107.61	332	eP	Pdif	18 14 01.3 0.0
KLMP	Klimovskoe	107.61	332	eP	Pdif	18 18 25.7 -5.0
ECSD	EROS Data Cent	107.68	46	PFAKE	LR	18 18 20.0 +1.0
ECSD	EROS Data Cent	107.68	46	PFAKE	LR	18 18 20.0 +1.0
KVXT	EROS Data Cent	107.68	46	PKIKP	PKIKP	18 18 10.1 0.0
KVXT	EROS Data Cent	107.68	46	PKIKP	PKIKP	18 18 10.0 +8.5
KEV	Kevo	108.28	343	PFAKE	LR	18 18 20.0 +1.0
KSU1	Kansas State U	108.30	51	PFAKE	LR	18 18 20.0 +8.6
KSU1	Kansas State U	108.30	51	PFAKE	LR	18 18 20.0 +8.6
KSU1	Kansas State U	108.30	51	PFAKE	LR	18 18 11.3 -0.1
ARA0	ARCESS Array S	108.84	343	ePdif	Pdif	18 14 07.7 +0.5

ARA0	ARCESS Array B	108.84	343	ePKIKP	PKIKP	18 18 12.9 +1.4
ARA0	ARCESS Array B	108.84	343	ePKIKP	PKIKP	18 29 18.9 -4.1
ARA0	ARCESS Array B	108.84	343	ePKIKP	PKIKP	18 14 07.7 +0.5
ARCES	ARCESS Array B	108.84	343	ePKIKP	PKIKP	18 18 12.9 +1.4
ARCES	ARCESS Array B	108.84	343	ePKIKP	PKIKP	18 29 18.9 -4.1
ARCES	ARCESS Array B	108.84	343	ePKIKP	PKIKP	18 18 12.9 +1.4
GUL1	Leonard	109.32	54	PKIKP	PKIKP	18 18 13.7 +0.2
TUN1	Garni	109.35	310	PFAKE	LR	18 18 30.0 +1.6
DAG	Danmarks Havn	109.43	358	iP	PKKpbc	18 29 16.8 -4.3
DAI	Tsey	109.56	313	eP	Pdif	18 29 28.2 -2.5
ZEI	Tsey	109.56	313	eP	Pdif	18 14 08.8 -2.5
SPMM	Marine on St.	110.12	44	PKIKP	PKIKP	18 18 14.9 +0.3
F37A	Hinrichs Farm,	110.12	44	PKIKP	PKIKP	18 18 14.9 +0.3
KIV	Kislovodsk	110.22	315	PFAKE	LR	18 18 30.0 +1.5
NEY	Neyrino	110.33	314	iP	PKIKP	18 18 16.2 +0.8
EYMN	Ely	110.39	41	PFAKE	LR	18 18 30.0 +1.5
EYMN	Ely	110.39	41	PFAKE	LR	18 18 14.9 -0.2
SCIA	State Center	110.44	48	PKIKP	PKIKP	18 18 15.7 +0.3
F38A	Pierce - Schro	110.58	43	PKIKP	PKIKP	18 18 15.9 +0.4
E38A	The Farm, Brul	110.66	42	PKIKP	PKIKP	18 18 15.7 +0.1
NATX	Nacogdoches	110.68	59	PKIKP	PKIKP	18 18 16.2 +0.1
G38A	Ridgeland	110.77	44	PKIKP	PKIKP	18 18 15.8 -0.1
W39A	Magazine	111.03	55	PKIKP	PKIKP	18 18 16.6 -0.1
OBN	Obninsk	111.04	327	PFAKE	LR	18 18 30.0 +1.4
OBN	Obninsk	111.04	327	PFAKE	LR	18 18 18.6 +2.6
OBN	Obninsk	111.04	327	PFAKE	LR	18 18 54.8 0.0
G39A	Holcombe	111.22	44	PKIKP	PKIKP	18 18 16.9 +0.2
F39A	Loretta	111.25	43	PKIKP	PKIKP	18 18 16.6 -0.2
K39A	Olweine	111.26	47	PKIKP	PKIKP	18 18 16.4 -0.5
J39A	Decorah	111.26	46	PKIKP	PKIKP	18 18 16.9 0.0
H39A	Augusta	111.28	44	PKIKP	PKIKP	18 18 16.3 -0.5
MIAR	Mount Ida	111.28	55	PKIKP	PKIKP	18 18 16.2 -0.9
I39A	Houston	111.28	45	PKIKP	PKIKP	18 18 16.4 -0.6
M39A	Webster	111.29	48	PKIKP	PKIKP	18 18 16.8 -0.2
L39A	Vinton	111.29	47	PKIKP	PKIKP	18 18 16.8 -0.2
E39A	Mellen	111.38	43	PKIKP	PKIKP	18 18 17.0 -0.1
U40A	Yellville	111.62	53	PKIKP	PKIKP	18 18 17.8 0.0
F40A	Park Falls	111.79	43	PKIKP	PKIKP	18 18 17.6 -0.2
M40A	Post Highland	111.79	48	PKIKP	PKIKP	18 18 18.1 +0.2
K40A	Colesburg	111.80	46	PKIKP	PKIKP	18 18 17.6 -0.4
E40A	Walford	111.81	42	PKIKP	PKIKP	18 18 17.7 -0.2
N40A	Mertquake, Sal	111.84	48	PKIKP	PKIKP	18 18 18.0 -0.1
L40A	Anamosa	111.87	47	PKIKP	PKIKP	18 18 17.7 -0.4
G40A	Rib Lake	111.89	44	PKIKP	PKIKP	18 18 17.8 -0.2
H40A	Chillicothe	111.91	44	PKIKP	PKIKP	18 18 17.6 -0.4
I40A	Norwalk	111.92	45	PKIKP	PKIKP	18 18 17.5 -0.6
C40A	Isle Royale Na	111.92	41	PKIKP	PKIKP	18 18 17.7 -0.3
J40A	Soldiers Grove	111.94	46	PKIKP	PKIKP	18 18 17.7 -0.5
V41A	Mountainview	112.26	54	PKIKP	PKIKP	18 18 18.4 -0.7
W41B	Gary Mavity, V	112.28	55	PKIKP	PKIKP	18 18 19.3 +0.2
S41A	Jillico Farms,	112.30	52	PKIKP	PKIKP	18 18 18.4 -0.7
S41A	Jillico Farms,	112.30	52	PKIKP	PKIKP	18 29 10.6 0.0
U41A	Villa	112.36	53	PKIKP	PKIKP	18 18 19.0 -0.2
T41A	Mountain View	112.38	53	PKIKP	PKIKP	18 18 18.7 -0.6
T41A	Mountain View	112.38	53	P	PKKpbc	18 29 10.1 -0.3
JFWS	Jewell Farm	112.40	46	PFAKE	LR	18 18 30.0 +1.1
JFWS	Jewell Farm	112.40	46	PFAKE	LR	18 18 18.8 -0.3
L41A	Preston	112.40	47	PKIKP	PKIKP	18 18 17.7 -0.4
I41A	Arkdale	112.40	45	PKIKP	PKIKP	18 18 18.3 -0.7
COWI	Conover	112.41	43	PFAKE	LR	18 18 30.0 +1.1
H41A	Junction City	112.42	44	PKIKP	PKIKP	18 18 18.8 -0.2
K41A	Shullsburg	112.42	46	PKIKP	PKIKP	18 18 19.1 0.0
E41A	Kenton	112.43	42	PKIKP	PKIKP	18 18 18.8 -0.2
P41A	Barry, Barry	112.46	50	PKIKP	PKIKP	18 18 19.4 +0.1
Q41A	Loganville	112.46	50	PKIKP	PKIKP	18 18 18.8 -0.4
R41A	Rosebud	112.47	51	PKIKP	PKIKP	18 18 19.4 +0.1
O41A	Passleys Farm,	112.51	49	PKIKP	PKIKP	18 18 19.2 -0.1
M41A	Milan	112.51	48	PKIKP	PKIKP	18 18 19.2 -0.1
D41A	Chassel	112.52	43	PKIKP	PKIKP	18 18 19.4 +0.1
CCM	Cathedral Cave	112.61	51	PKIKP	PKIKP	18 18 19.0 -0.6
CCM	Cathedral Cave	112.61	51	P	PKKpbc	18 29 09.4 -0.2
X2A	Stuttgart	112.87	55	PKIKP	PKIKP	18 18 19.5 -0.7
V42A	Cord	112.87	54	PKIKP	PKIKP	18 18 19.8 -0.3
U42A	Revdent	112.91	53	PKIKP	PKIKP	18 18 19.8 -0.4
T42A	Van Buren	112.91	52	PKIKP	PKIKP	18 18 19.7 -0.5
R42A	Van Buren	112.91	52	P	PKKpbc	18 29 08.3 -0.2
T42A	Luebering	112.92	51	PKIKP	PKIKP	18 18 19.8 -0.4
N42A	Yates City	113.00	48	PKIKP	PKIKP	18 18 19.9 -0.4
Q42A	Golden Eagle	113.01	50	PKIKP	PKIKP	18 18 20.2 -0.1
S42A	Caledonia	113.02	52	PKIKP	PKIKP	18 18 20.0 -0.4
S42A	Caledonia	113.02	52	P	PKKpbc	18 29 14.5 +6.3
L42A	Oliver, Polo	113.02	47	PKIKP	PKIKP	18 18 19.8 -0.4

P42A	Winchester	113.02	50	PKIKP	PKIKP	18 28 03.0 1.0
P42A	Winchester	113.02	50	P	PKKpbc	18 29 14.4 +6.1
K42A	Pratt Point,	113.07				

Table with columns: ID, Name, Time, Distance, Status, and other metrics. Includes entries like M47A Cromwell, P47A Martinsville, Q47A Bedord North L, etc.

Table with columns: ID, Name, Time, Distance, Status, and other metrics. Includes entries like P50A Jamestown, L50A Kingsville, U50A Jamestown, etc.

Table with columns: ID, Name, Time, Distance, Status, and other metrics. Includes entries like O53A New Philadelph, R53A Hurricane, Z53A Monticello, etc.

H56A	Elgin	121.45	41	PKIKP	PKPdf	18 18 36.2	-0.2
baz=295							
156A	Sylvania	121.53	55	PKIKP	PKPdf	18 18 36.9	0.0
baz=264							
056A	Blue Knob Stat	121.54	46	ePKPdf	PKIKP	18 18 37.0	+0.1
056A	Blue Knob Stat	121.54	46	PKIKP	PKIKP	18 18 36.9	0.0
baz=291							
LBTB	Lobates	121.68	236	ePKPdf	PKIKP	18 18 37.8	0.0
PEL	Peiderhue	121.70	135	ePKPdf	PKIKP	18 18 37.1	-0.2
SUR	Sutherland	121.80	226	ePKPdf	PKIKP	18 18 37.7	+0.8
SUR							
comp=2.2um,20.0s							
857A	Zephyrhills	121.85	61	PKIKP	PKIKP	18 18 37.7	-0.1
baz=281							
757A	Oxford	121.86	60	PKIKP	PKIKP	18 18 37.9	+0.1
baz=281							
ALFO	Alfred	121.87	39	PKIKP	PKIKP	18 18 37.2	-0.1
baz=297							
SSPA	Standing Stone	121.89	46	ePKPdf	PKIKP	18 18 37.6	0.0
SSPA	Standing Stone	121.89	46	PKIKP	PKPdf	18 18 37.4	+0.1
baz=291							
657A	Interlachen	121.90	59	PKIKP	PKIKP	18 18 37.8	0.0
baz=282							
TRPA	Tampa	121.91	324	LP	PKPdf	18 18 37.1	0.0
557A	Orange Park	121.93	59	PKIKP	PKIKP	18 18 38.2	+0.3
baz=282							
HUMR	Humele	122.09	320	LP	PKPdf	18 18 37.7	+0.1
LATR	La Tuque	122.32	36	PKIKP	PKIKP	18 18 38.2	+0.1
baz=300							
OJC	Ojcow	122.33	328	ePKP	PKIKP	18 18 38.3	+0.2
OJC	Ojcow	122.33	328	ePKIKP	PKIKP	18 18 38.3	+0.2
958A	Wauchula	122.39	61	PKIKP	PKIKP	18 18 38.9	+0.1
baz=281							
058A	Arcadia	122.44	62	PKIKP	PKPdf	18 18 38.8	0.0
baz=280							
NHSC	New Hope	122.49	55	PFake	LR	18 18 50.0	+1.1
NHSC							
comp=2.4um,19.0s							
NHSC	New Hope	122.49	55	PKIKP	PKIKP	18 18 38.8	+0.1
baz=285							
NIE	Niedzica	122.50	327	ePKP	PKIKP	18 18 39.2	+0.7
NIE	Niedzica	122.50	327	ePKIKP	PKIKP	18 18 39.2	+0.7
LONY	Lake Ozonia	122.51	40	PKIKP	PKPdf	18 18 39.0	+0.4
LONY	Lake Ozonia	122.51	40	PKIKP	PKIKP	18 18 39.0	+0.4
baz=297							
DWPF	Disney Wildern	122.57	61	PKIKP	PKPdf	18 18 39.0	0.0
baz=281							
758A	Lake Helen	122.60	60	PKIKP	PKPdf	18 18 39.1	+0.1
baz=282							
858A	St. Cloud	122.61	61	PKIKP	PKIKP	18 18 39.2	0.0
baz=281							
BINY	Binghamton	122.61	43	PFake	LR	18 18 50.0	+1.1
BINY							
comp=2.3um,20.0s							
BINY	Binghamton	122.61	43	PKIKP	PKPdf	18 18 38.8	+0.1
baz=294							
RS8B	Mineral	122.83	48	ePKPdf	PKIKP	18 18 39.1	-0.1
RS8B	Mineral	122.83	48	PKIKP	PKIKP	18 18 39.6	+0.1
baz=290							
PAGS	Pennsylvania G	122.87	46	ePKPdf	PKIKP	18 18 39.2	-0.1
LSZ	Lusaka	122.99	247	ePKPpre	PKIKP	18 18 31.0	0.0
LSZ							
AAGR	Agrelo	123.02	136	ePKP	PKIKP	18 18 40.7	+0.5
NCB	Newcomb	123.03	41	ePKPdf	PKIKP	18 18 39.6	-0.1
859A	Kempfer Cattle	123.04	61	PKIKP	PKIKP	18 18 40.3	+0.2
baz=282							
FRNY	Flat Rock	123.05	39	ePKPdf	PKIKP	18 18 39.1	-0.3
SDMD	Soldier's Deli	123.09	47	ePKPpre	PKIKP	18 18 30.0	0.0
SDMD							
GZR	Gura Zlata	123.10	321	LP	PKPdf	18 18 39.4	-0.2
GZR	Gura Zlata	123.10	321	LP	PKIKP	18 18 39.4	-0.2
LANS	Liptovska Anna	123.10	327	ePKP	PKIKP	18 18 40.0	+0.3
UBSP	Uspalata	123.12	135	ePKP	PKIKP	18 18 41.2	+0.6
CBN	Corbin Frederi	123.13	48	PFake	LR	18 18 50.0	+1.0
CBN							
comp=2.4um,20.0s							
CBN	Corbin Frederi	123.13	48	PKIKP	PKIKP	18 18 40.0	0.0
baz=290							
G004	Tololo Observa	123.22	132	ePKPdf	PKIKP	18 18 39.5	-1.1
G004	Tololo Observa	123.22	132	ePKP	PKIKP	18 18 40.3	-0.3
MVL	Millersville	123.22	46	ePKPdf	PKIKP	18 18 40.4	+0.3
N59A	State Game Lan	123.27	44	ePKPdf	PKIKP	18 18 40.2	-0.1
N59A	State Game Lan	123.27	44	PKIKP	PKIKP	18 18 40.2	-0.1
baz=293							
ASAL	Salagasta	123.30	136	ePKP	PKIKP	18 18 40.8	+0.1
RTL5	Leonicato	123.42	135	ePKP	PKIKP	18 18 41.7	+0.5
061Z	Ochopopi	123.44	63	ePKPdf	PKIKP	18 18 41.1	+0.1
061Z	Ochopopi	123.44	63	PKIKP	PKIKP	18 18 41.2	+0.2
baz=293							
PSZ	Piszkesteto	123.53	325	LP	PKIKP	18 18 40.8	+0.1
060Z	West Palm Beac	123.65	62	PKIKP	PKIKP	18 18 41.8	+0.4
baz=281							
MOQ	Mont Orford	123.66	38	ePKPdf	PKIKP	18 18 40.5	-0.2
BZS	Buzias	123.70	322	LP	PKIKP	18 18 40.7	0.0
BZS	Buzias	123.70	322	LP	PKIKP	18 18 40.7	0.0
CNNC	Cliffs of the	123.70	52	ePKPdf	PKIKP	18 18 41.9	+0.7
CNNC							
comp=2.2um,21.0s							
CNNC	Cliffs of the	123.70	52	PKIKP	PKIKP	18 18 41.6	+0.4
baz=288							
MORC	Moravsky Berou	123.78	328	ePKPdf	PKIKP	18 18 41.1	0.0
MORC	Moravsky Berou	123.78	328	LP	PKIKP	18 18 41.7	+0.7
MORC	Moravsky Berou	123.78	328	LP	PKIKP	18 18 41.7	+0.7
MORC	Moravsky Berou	123.78	328	LP	PKIKP	18 18 40.9	0.0
MORC	Moravsky Berou	123.78	328	LP	PKIKP	18 28 29.1	+1.2
KSP	Ksiaz	123.78	330	ePKP	PKIKP	18 18 40.9	0.0
KSP	Ksiaz	123.78	330	ePKIKP	PKIKP	18 18 40.9	0.0
MBAR	Mbarara	123.80	265	PFake	LR	18 18 50.0	+7.7
MBAR							
comp=2.880nm,22.0s							
VYHS	Vyhne	123.81	326	ePKIKP	PKIKP	18 18 41.5	+0.4
VYHS	Vyhne	123.81	326	ePKP	PKIKP	18 18 41.5	+0.4
WBCH	West Bay, Gran	123.86	71	ePKPdf	PKIKP	18 18 41.4	-0.3
RTCV	Cerro Valdivia	123.92	134	ePKP	PKIKP	18 18 41.5	0.0
TRY	Troy	123.95	42	ePKPdf	PKIKP	18 18 41.5	0.0
KRLC	Kraliky	124.00	329	ePKP	PKIKP	18 28 27.3	+0.3
ZON	Zonda	124.00	135	ePKP	PKIKP	18 18 42.1	+0.1
ODNJ	Ogdensburg	124.01	44	ePKPdf	PKIKP	18 18 41.0	-0.4
MDVR	Moldovita	124.05	321	LP	PKIKP	18 18 41.7	0.0
DPC	Dobruska-Polom	124.07	329	ePKP	PKIKP	18 18 42.0	0.0
DPC	Dobruska-Polom	124.07	329	ePKIKP	PKIKP	18 28 28.7	+2.0
DPC	Dobruska-Polom	124.07	329	ePKIKP	PKIKP	18 18 41.7	+0.1
VTS	Vitoshka	124.07	318	LP	PKIKP	18 18 40.9	-0.8
VTS	Vitoshka	124.07	318	LP	PKIKP	18 18 41.5	-0.1
VTS	Vitoshka	124.07	318	LP	PKIKP	18 18 41.6	-0.1
TSVY	Frank Sound, G	124.07	71	ePKPdf	PKIKP	18 18 42.6	+0.2
UPC	Uvice	124.13	329	ePKP	PKIKP	18 18 41.5	+0.1
UPC	Uvice	124.13	329	ePKP	PKIKP	18 28 27.2	+0.9
UPC	Uvice	124.13	329	ePKIKP	PKIKP	18 18 41.5	+0.1
AROD	Rodeo	124.19	133	ePKP	PKIKP	18 18 43.4	+0.6
ACCO	Cerro Coronel	124.26	134	ePKP	PKIKP	18 18 43.9	0.0
CFA	Coronel Fontan	124.28	135	ePKP	PKIKP	18 18 43.9	0.0
LBNH	Lisbon	124.38	39	PKIKP	PKIKP	18 18 42.5	+0.2
baz=299							
HNH	Hanover	124.40	40	ePKPdf	PKIKP	18 18 42.5	+0.1
AMOG	Mogna	124.47	134	ePKP	PKIKP	18 18 42.1	+0.1
PAL	Palisades	124.53	44	ePKPdf	PKIKP	18 18 42.8	+0.1
PAL	Palisades	124.53	44	ePKP	PKIKP	18 18 42.8	+0.1
PAL	Palisades	124.53	44	PKIKP	PKIKP	18 18 42.8	+0.1
baz=295							
VRAC	Vranov	124.55	328	LP	PKIKP	18 18 43.3	+0.7
VRAC	Vranov	124.55	328	LP	PKIKP	18 18 43.3	+0.7
VRAC	Vranov	124.55	328	ePKP	PKIKP	18 18 43.2	+0.7
ACAN	Cantantal	124.62	136	ePKP	PKIKP	18 18 42.5	-0.5
MODS	Modra-Piesok	124.74	327	ePKIKP	PKIKP	18 18 43.4	+0.4
MODS	Modra-Piesok	124.74	327	ePKP	PKIKP	18 18 43.4	+0.4
KRUC	Kruc	124.81	328	ePKP	PKIKP	18 28 24.3	+0.8
KRUC	Kruc	124.81	328	ePKP	PKIKP	18 28 24.3	+0.8
PVCC	Panska Ves	124.84	330	ePKP	PKIKP	18 18 43.7	+0.7
PVCC	Panska Ves	124.84	330	ePKIKP	PKIKP	18 18 43.7	+0.7
BRG	Bergsiesshubel	124.92	331	PKP	PKIKP	18 18 43.3	+0.1
BRG							
comp=2.5,2nm,1.1s							
BRG	Bergsiesshubel	124.92	331	PKP	PKIKP	18 20 09.4	-2.2
BRG							
comp=2.27nm,1.2s							
BRG	Bergsiesshubel	124.92	331	PKP	PKIKP	18 20 09.3	+0.1
BRG							
comp=2.5,0nm,1.1s							
VAY	Valandovo	125.09	317	PKP	PKIKP	18 18 42.0	-1.5
CLL	Collm	125.09	332	ePKP	PKIKP	18 18 42.9	-0.2
CLL	Collm	125.09	332	ePKP	PKIKP	18 18 43.3	+0.1
comp=2.16nm,0.9s							

CLL	Collm	125.09	332	ePKP	PKIKP	18 19 08.0	0.0
CLL							
CLL	Collm	125.09	332	ePKP	PKIKP	18 20 31.0	-1.8
CLL							
comp=2.5,0nm,0.8s							
CLL	Collm	125.09	332	ePKIKP	PKIKP	18 18 42.9	-0.2
TREC	Trest	125.14	329	ePKIKP	PKIKP	18 18 43.6	-0.1
TREC	Trest	125.14	329	ePKIKP	PKIKP	18 18 43.6	-0.1
PRU	Pruhonice	125.19	330	ePKP	PKIKP	18 18 43.7	-0.1
PRU	Pruhonice	125.19	330	ePKP	PKIKP	18 28 23.8	+2.0
PRU	Pruhonice	125.19	330	ePKIKP	PKIKP	18 18 43.7	-0.1
ATAH	Atahualpa	125.25	103	PKP	PKIKP	18 18 46.6	+1.1
AGUA	GUANDACOL	125.48	133	ePKP	PKIKP	18 18 45.4	+0.6
DIVS	Divivare	125.46	321	ePKPpre	PKIKP	18 18 35.2	0.0
DIVS							
Presque Isle		125.47	35	ePKP	PKIKP	18 18 44.4	+0.2
Peaks-Kenny Pk		125.48	37	ePKP	PKIKP	18 18 44.5	0.0
Peaks-Kenny Pk		125.48	37	PKIKP	PKIKP	18 18 44.7	+0.3
baz=302							
NNA	Nana</						



1-108.00000°. Principal axes: T 0.8400, P1g4.0000°, Azm69.0000°; N 0.3030, P212.0000°, Azm160.0000°; P -1.1400, P1g78.0000°, Azm321.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function
MOS 08:18:07.49.9.0.0.9.10.91S:166.56E, h40km, mb5.6/60, M55.4/9 Error ellipse: s-maj=7.9km s-min=6.9km az=92.2
IDC 08:18:07.51.0.5.1.0.1.89S:166.64E, h33km, mb4.8/34, mb1.4/36, mb1mx4.8/52, mbtmp5.0/36, ML4.7/2, MSS.7/6, s-min=5.7/6, ms1mx5.0/24, Error ellipse: s-maj=15.7km

s-maj=12.5km az=108.0
BUJ 08:18:07.52.4.0.2.1.66E:96E, h59km, mb5.1/67, mb6.0/34, M55.7/30, M57.5/31
ISC 08:18:07.47.5.0.2.10.83S:0105.166.57E.0.05.1h10km, n702, o154/646, mb5.5/287, MSS.5/103, 18C-15D, Santa Cruz

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Lists various seismic stations and their coordinates and phases.

Table with columns: KDU, ASO1, LBZ, AS31, ASAR, ASAR, ASAR, RAR, HTT, WKZ, ARPS, ODZ, MLZ, DCU, SAZI, WHZ, PYZ, BBOO, BBOO, TAU, JOHN, JOHN, BNDI, KNRA, WRKA, NLAI, FITZ, FITZ, TINTI, TINTI, FORT, FORT, SANI, SOEI, BATI, PPT2, PPT2, MMRI, DAV, DAV, LUWI, MBWA, KAPI, KIP, MEK, AIN, HMH, MLH, MLH, BLDU, NWAO, NWAO, NWAO, NWAO, MORW, MUN, GIRL, JAGI, TAOE, TAOE, KKM, KKM, INU, MJAR, MAJO, MAJO, MAT, MJBS, UGU, JNM, SBUM, SBUM, YULB, NACB, YHNB, ERM, ERM, ERM, ERM, RKT, KSM, CISI. Lists seismic events with details like magnitude, depth, and location.

Table with columns: LEM, ASAJ, XMIS, KSRS, KS15, KSAR, KSAR, KS01, YSS, YSS, YSS, NJ2, NJ2, NJ2, USRK, USA0B, MNAI, MYKOM, MYKOM, SMDY, SMDY, ADK, ADK, PEAOB, PETK, PETK, PETK, PE1A, KGM, GSTR, MDJ, MDJ, MDJ, MDJ, MDJ, DL2, DL2, WHN, TYV, TYV, KVTGM, KVTGM, SNY, SNY, CN2, CN2, BKNI, BKNI, FRMI, GRNR, GRNR, VNSA, VNSA, VNSA, CASY, IPM, IPM, SBA, SBA, SBA, KULM, KULM, SKNT, COCO, ENH, ENH, PSI, PSI, PSI, BJT, BJT, BJT, BJT, BJT, GYA, GYA, GYA, GYA, GYA, GYA, TRTT, CHAI. Lists seismic events with details like magnitude, depth, and location.







8d 18h

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BILBINO, GATAI, SUSITNA ONE, etc.

2013 FEB

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like DARWIN (CALIF), MPMPC, NV01, etc.

748

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like SRU, LRM, SYO, etc.

IDC 08 18:15:53.51.6, 11:345x164.96E, h0km, mb3.7/4, mb1 4.0/5, mb1mx3.6/37, mbtimp3.8/5, ML3.8/1, MS4.7/1, Ms1 4.7/1, ms1mx3.9/33, Error ellipse: s-maj=49.4km s-min=30.7km az=123.0, Santa Cruz Islands region

ISCJB 08 18:39:52.1+0.3, 11:00Sx0.04x165.89E, h10km, mb4.7/36, MS4.9/2, Error ellipse: s-maj=6.8km s-min=5.6km az=157.8

NEIC 08 18:39:53.7+0.2, 10:34Sx165.89E, h10km, mb5.0/20, Error ellipse: s-maj=6.6km s-min=5.2km az=88.0

IDC 08 18:39:57.4+6.3, 10:99Sx165.90E, h33km, mb4.0/13, mb1 4.9/2, ms1mx4.1/32, mbtimp4.2/15, ML4.4/2, MS4.9/2, Ms1 4.9/2, ms1mx4.0/38, Error ellipse: s-maj=28.0km s-min=21.6km az=118.0

ISC 08 18:39:53.6+0.5, 10:95Sx0.07x165.98E, h10km, n77, a1527.80, mb4.8/37, 1C, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, ISC, h, m, s, Res. Includes stations like HNR, MARC, DZM, etc.













151A	Opelika	baz=198,SNR=9.5	18.64	20	P	Pn	21 10 22.2 +0.1
253A	Americus	baz=203,SNR=6.1	18.65	24	P	P	21 10 22.1 +1.2
356A	Blackshear	baz=207	18.88	29	P	P	21 10 24.0 +0.6
254A	Abbeville	baz=209,SNR=6.0	18.89	26	P	P	21 10 24.4 +0.9
Z49A	Columbiana	baz=199,SNR=17	18.90	16	P	Pn	21 10 25.7 +0.6
152A	Waverly Hall	comp=N,77nm,1.3s	18.98	21	eP	Pn	21 10 26.4 +0.3
152A	Waverly Hall	baz=204,SNR=9.3	18.98	21	eP	Pn	21 10 25.8 +1.2
Z50A	Ashland	comp=N,40nm,0.9s	19.12	18	eP	Pn	21 10 28.1 +0.3
Z50A	Ashland	baz=200,SNR=7.4	19.12	18	P	Pn	21 10 28.0 +0.1
ZARC	Zaragoza, Cauc		19.13	111	eP	P	21 10 22.8 -3.6
ZARC	Zaragoza, Cauc		19.13	111	eP	P	21 10 22.8 -3.6
Z55A	Hazlehurst	baz=211	19.22	28	P	Pn	21 10 28.6 -0.3
153A	Fort Valley	baz=207	19.29	23	P	P	21 10 29.6 -0.2
X41A	Kaden, Bauxite	baz=181	19.32	1	P	Pn	21 10 30.8 +0.6
MIAR	Mount Ida	comp=N,136nm,0.9s	19.38	358	eP	Pn	21 10 33.0 +2.1
MIAR	Mount Ida	baz=196	19.38	358	eP	S	21 13 52.2 -1.2
MIAR	Mount Ida	baz=196	19.38	358	eP	P	21 10 31.0 +2.0
Y48A	Jasper	baz=196	19.42	14	P	Pn	21 10 31.4 +0.1
X43A	Marvell	baz=186,SNR=6.4	19.42	5	P	Pn	21 10 31.6 +0.3
Z56A	Glennville	baz=213	19.53	29	P	P	21 10 31.7 +1.1
154A	Montrose	comp=N,138nm,0.8s	19.54	25	eP	P	21 10 32.1 +1.5
154A	Montrose	baz=209,SNR=5.8	19.54	25	P	P	21 10 31.5 +0.8
Z52A	Williamson	baz=205,SNR=6.3	19.55	21	P	Pn	21 10 32.7 -0.2
Y49A	Blount Mountain	comp=N,29nm,1.0s	19.55	16	eP	P	21 10 32.0 +1.2
Y49A	Blount Mountain	baz=199	19.55	16	P	P	21 10 32.5 +1.7
OXF	Oxford	comp=N,156nm,1.0s	19.58	8	eP	Pn	21 10 33.9 +0.7
OXF	Oxford	baz=190,SNR=16	19.58	8	eS	S	21 13 58.1 -1.0
OXF	Oxford	baz=190,SNR=16	19.58	8	P	P	21 10 32.9 +1.8
YOTC	Yotoco, Valle	19.59	123	eP	P	P	21 10 30.8 -0.8
YOTC	Yotoco, Valle	19.59	123	eP	P	P	21 10 30.8 -0.8
UALR	University of	comp=N,43nm,0.8s	19.60	1	eP	Pn	21 10 35.6 +2.1
Y50A	Piedmont	baz=200,SNR=9.0	19.77	18	P	P	21 10 34.5 +1.2
155A	Kite	baz=210	19.82	26	P	Pn	21 10 35.3 -0.7
X47A	Russellville	baz=194,SNR=10	19.85	12	P	P	21 10 34.9 +0.9
Z53A	Monticello	baz=207,SNR=15	19.95	23	P	P	21 10 36.0 +1.0
X48A	Hartselle	comp=N,72nm,0.8s	19.96	14	eP	P	21 10 36.5 +1.3
X48A	Hartselle	baz=195,SNR=12	19.96	14	P	P	21 10 36.8 +1.6
Y51A	Rockmart	baz=202	19.99	19	P	P	21 10 37.1 +1.6
W41B	Gary Maity, V	comp=N,33nm,1.0s	20.00	1	eP	Pn	21 10 38.4 +0.3
W41B	Gary Maity, V	baz=182,SNR=9.4	20.00	1	P	P	21 10 37.9 +2.3
GD2L	Guadalupe Moun	20.04	330	eP	P	P	21 10 38.9 +2.7
W39A	Magazine	comp=N,25nm,0.9s	20.04	358	eP	P	21 10 38.3 +2.3
W39A	Magazine	baz=178	20.04	358	P	P	21 10 38.3 +2.3
GOGA	Godfrey	comp=N,103nm,1.0s	20.10	23	eP	P	21 10 38.1 +1.3
GOGA	Godfrey	baz=207,SNR=6.2	20.10	23	eS	S	21 14 16.5 -1.5
GOGA	Godfrey	baz=207,SNR=6.2	20.10	23	P	P	21 10 38.2 +1.4
MNTX	Cornudas Mount	comp=N,12nm,0.8s	20.14	327	eP	P	21 10 39.8 +2.6
MNTX	Cornudas Mount	baz=143,SNR=19	20.14	327	P	P	21 10 39.3 +2.1
Z54A	Sparta	baz=209,SNR=5.9	20.19	25	P	P	21 10 38.2 +0.4
X49A	Woodville	baz=198,SNR=18	20.20	16	P	P	21 10 39.7 +1.9
POPC	Popayan, Colom	20.20	127	eP	Pn	Pn	21 10 39.6 -1.3
POPC	Popayan, Colom	20.20	127	eP	Pn	Pn	21 10 39.6 -1.3
W45A	Hickory Valley	baz=190,SNR=10	20.24	9	P	P	21 10 39.5 +1.2
PLAL	Pickwick Lake	comp=N,26nm,0.8s	20.26	11	eP	Pn	21 10 40.3 +2.4
156A	Sylvania	baz=215	20.28	28	P	P	21 10 39.8 +1.1
Y52A	Liburn	comp=N,82nm,0.9s	20.29	21	eP	P	21 10 40.0 +1.3
Y52A	Liburn	baz=205,SNR=17	20.29	21	P	P	21 10 40.1 +1.3
WMOK	Wichita Mounta	comp=N,11nm,0.6s	20.29	346	eP	P	21 10 40.9 +2.0
WMOK	Wichita Mounta	baz=164,SNR=14	20.29	346	eS	S	21 14 17.7 -4.1
WMOK	Wichita Mounta	baz=164,SNR=14	20.29	346	P	P	21 10 40.7 +1.8
X50B	Fort Payne	baz=200,SNR=16	20.33	17	P	P	21 10 40.9 +1.6
W46A	Michie	baz=192	20.35	10	P	P	21 10 41.0 +1.6
Y53A	Monroe	baz=206,SNR=12	20.45	22	P	P	21 10 41.2 +0.7
OTAV	Otavallo	comp=N,1.0nm,0.4s	20.46	135	eP	Pn	21 10 41.7 -2.4
Z55A	Blythe	baz=210,SNR=5.2	20.47	26	P	P	21 10 41.8 +1.0
SOTA	Rioblanco	20.51	127	eP	Pn	Pn	21 10 42.6 -2.2
SOTA	Rioblanco	20.51	127	eP	Pn	Pn	21 10 42.6 -2.2
PCON	Cinco Dias	20.55	127	eP	Pn	Pn	21 10 43.9 -1.4
PCON	Cinco Dias	20.55	127	eP	Pn	Pn	21 10 43.9 -1.4
MARP	Paez Belalcaza	20.55	125	eP	Pn	Pn	21 10 44.0 -1.4
MARP	Paez Belalcaza	20.55	125	eP	Pn	Pn	21 10 44.0 -1.4
W47A	Westpoint	baz=194,SNR=7.1	20.61	12	P	P	21 10 43.3 +1.1
CRUC	La Cruz	20.61	123	eP	Pn	Pn	21 10 44.9 -1.0
CRUC	La Cruz	20.61	123	eP	Pn	Pn	21 10 44.9 -1.0
V41A	Mountainview	baz=182	20.62	1	P	P	21 10 44.3 +2.0
W48A	Pulaski	baz=196	20.64	14	P	P	21 10 43.7 +1.0
V42A	Cord	baz=184	20.67	3	P	P	21 10 44.6 +1.7
X51A	Calhoun	comp=N,70nm,0.8s	20.67	19	eP	P	21 10 41.8 -1.1
X51A	Calhoun	baz=202,SNR=8.8	20.67	19	P	P	21 10 44.3 +1.4
W49A	Belvidere	baz=198	20.79	15	P	P	21 10 45.3 +1.2
Y54A	Tignall	baz=208,SNR=8.2	20.80	24	P	P	21 10 45.1 +0.8
MSTX	Muleshoe	20.85	336	eP	P	P	21 10 47.0 +2.0
MSTX	Muleshoe	20.85	336	eP	P	P	21 10 46.3 +1.4
TUL1	Leonard	comp=N,30nm,0.8s	20.91	353	eP	P	21 10 47.1 +1.7
TUL1	Leonard	baz=172	20.91	353	P	P	21 10 47.4 +1.9
SDDR	Pres de Saban	comp=N,31nm,0.6s	20.91	76	eP	P	21 10 45.7 -0.1
BARC	Barichara	21.01	112	eP	P	P	21 10 45.8 -1.2
BARC	Barichara	21.01	112	eP	P	P	21 10 45.8 -1.2
X52A	Dahlonaga	baz=204	21.02	21	P	P	21 10 47.3 +0.6
W46A	Holladay	baz=193	21.04	11	P	P	21 10 47.6 +0.8
W50A	Signal Mountai	comp=N,64nm,1.1s	21.12	17	eP	P	21 10 48.7 +0.9
W50A	Signal Mountai	baz=200,SNR=8.8	21.12	17	P	P	21 10 49.4 +1.6
X53A	Estanolee	21.14	22	P	P	P	21 10 48.6 +0.7
PAMC	Pamplona, Colo	21.14	109	eP	P	P	21 10 47.4 -1.3
PAMC	Pamplona, Colo	21.14	109	eP	P	P	21 10 47.4 -1.3
U40A	Yellville	baz=180	21.18	360	P	P	21 10 48.9 +0.5
U41A	Viola	21.18	2	P	P	P	21 10 49.2 +0.8
V47A	Numbly	baz=182	21.18	12	P	P	21 10 49.3 +0.9
U42A	Reviden	21.22	3	P	P	P	21 10 50.1 +1.4
V48A	Smith Brothers	baz=184,SNR=6.5	21.25	13	eP	P	21 10 49.1 +0.1
V48A	Smith Brothers	baz=196	21.25	13	P	P	21 10 49.2 +0.1
W51A	Cleveland	21.25	18	P	P	P	21 10 49.1 +0.1
AMTX	Amarillo	comp=N,53nm,0.8s	21.27	339	eP	P	21 10 50.5 +1.1
NHSC	New Hope	comp=N,22nm,0.9s	21.28	30	eP	P	21 10 51.6 +2.3
NHSC	New Hope	baz=215	21.28	30	P	P	21 10 50.2 +0.9
WVT	Waverly	comp=N,14nm,0.7s	21.42	11	eP	P	21 10 51.5 +0.6
WVT	Waverly	baz=193	21.42	11	P	P	21 10 51.8 +0.9
CHIC	Chingaza	21.44	117	eP	P	P	21 10 50.7 -1.0
CHIC	Chingaza	21.44	117	eP	P	P	21 10 50.7 -1.0
V49A	McMinnville	21.49	15	P	P	P	21 10 52.6 +0.9
PBMO	Poplar Bluff	comp=N,41nm,0.6s	21.70	5	eP	P	21 10 54.3 +0.4
W53A	Cullowhee	baz=206	21.78	22	P	P	21 10 56.1 +1.2
T42A	Van Buren	comp=N,15nm,0.8s	21.90	4	eP	P	21 10 55.7 -0.3
T42A	Van Buren	baz=185	21.90	4	P	P	21 10 57.5 +1.5
V51A	Loudon	baz=202	21.97	19	P	P	21 10 57.8 +1.1
T43A	Greenville	baz=187	22.02	5	P	P	21 10 58.1 +0.9
TKL	Tuckaleechee C	comp=N,35nm,0.8s	22.02	20	eP	P	21 10 58.1 +0.8
TKL	Tuckaleechee C	baz=187	22.02	20	S	S	21 14 57.8 +2.5
TKL	Tuckaleechee C	comp=N,23nm,0.8s, baz=186,slow=15,SNR=6.1	22.02	20	P	P	21 10 59.1 +1.9
TKL	Tuckaleechee C	comp=N,6.8nm,0.7s, baz=285,slow=5.7,SNR=6.2	22.02	20	S	S	21 14 57.8 +2.5
121A	Cookes Peak, D	baz=139	22.08	324	P	P	21 11 00.6 +2.4
319A	Douglas	comp=N,9nm,0.9s	22.14	320	eP	P	21 10 57.9 -1.0
U49A	Red Boiling Sp	baz=198	22.23	15	P	P	21 10 59.7 +0.1
V52A	Sevierville	22.24	20	P	P	P	21 11 00.1 +0.3
T46A	Princeton	baz=193,SNR=5.9	22.29	10	P	P	21 11 01.2 +1.0
V53A	Saluda	comp=N,25nm,0.8s	22.36	22	eP	P	21 11 00.8 -0.2
V53A	Saluda	baz=206	22.36	22	P	P	21 11 01.2 +0.2
T47A	Sharon Grove	baz=195	22.39	12	P	P	21 11 01.5 +0.3
U50A	Janestown	baz=200	22.39	17	P	P	21 11 01.0 -0.3
S41A	Jillico Farms,	baz=183	22.43	2	P	P	21 11 02.0 +0.3
KMSC	Kings Mountain	22.46	25	P	P	P	21 11 02.0 -0.1
S43A	Fulton Ridge,	baz=187	22.52	6	P	P	21 11 02.6 0.0
SDV	Santo Domingo	comp=N,13nm,0.7s	22.52	103	eP	P	21 10 58.9 -4.2
SDV	Santo Domingo	22.52	103	eP	P	P	21 14 51.9 -2.3
SDV	Santo Domingo	comp=N,7.0nm,0.5s, baz=314,slow=9.0,SNR=7.4	22.52	103	P	P	21 10 58.9 -4.2
SDV	Santo Domingo	comp=N,50nm,18.6s, baz=252,slow=42	22.52	103			



Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like La Paz, Longmir, Leavenworth, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Ishinokakikobu, Kawachi, Kawaichu, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Honiara, Mont Dzumac, Warrunguna Arr, etc.



8d 22h

ellipse: s-maj=9.7km s-min=8.4km az=94.0

ISC 08 22:25:26.5,0.5, 10.99S:0.08:166.00E:0.07,h10km,n81,

o=161/76,mb4.7/39,1C-2D,Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists various seismic stations and their coordinates.

2013 FEB

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists seismic stations for the 2013 FEB event.

ISCJCB 08 22:29:34.8,0.9, 10.95S:0.09:165.8E:0.1,h10km, mb3.8/8, Error ellipse: s-maj=2.18km s-min=1.5km

az=158.7 NEIC 08 22:29:34.8,0.9, 11.06S:165.56E,h10km,mb4.1/2, Error ellipse: s-maj=54.8km s-min=11.5km az=52.0

IDC 08 22:29:41.4,3.8, 10.95S:165.97E,h48km,35km,mb3.5/5, mb1.3/9,mb1mx3.4/29,mbtmpp4.0/7,ML4.5/2, Error ellipse: s-maj=38.5km s-min=34.0km az=119.0

ISC 08 22:29:37.1,1.0, 10.9S:0.1:165.8E:0.2,h10km,n18, o=172/16,mb3.8/8,1C,Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists seismic stations for the 2013 FEB event.

ISCJCB 08 22:30:11.8,0.3, 10.97S:0.05:165.77E:0.06,h10km, mb4.5/27, Error ellipse: s-maj=8.7km s-min=5.9km

az=146.7 NEIC 08 22:30:13.5,0.3, 10.86S:165.74E,h10km,mb4.7/16, Error ellipse: s-maj=9.3km s-min=6.9km az=83.0

IDC 08 22:30:19.0,3.4, 10.93S:165.68E,h50km,29km,mb4.1/13, mb1.4/3/15,mb1mx4.0/42,mbtmpp4.1/5,ML4.8/2,MS4.3/2, MS1.4/3/2,ms1mx3.4/29, Error ellipse: s-maj=22.1km s-min=15.4km az=58.0

ISC 08 22:30:13.4,0.6, 10.88S:0.08:165.83E:0.08,h10km,n56, o=109/59,mb4.6/27,1C,Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists seismic stations for the 2013 FEB event.

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Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists seismic stations for the 756 event.

IDC 08 22:31:39.9,1.4, 10.62S:165.60E,h0km,mb4.0/6, mb1.4/2/7,mb1mx3.9/43,mbtmpp4.0/7,ML4.1/1, Error ellipse: s-maj=46.9km s-min=25.5km az=126.0

ISCJCB 08 22:31:37.6,0.9, 10.8S:0.1:165.6E:0.2,h31km,mb3.9/6, Error ellipse: s-maj=29.2km s-min=18.0km az=8.1

ISC 08 22:31:39.4,1.0, 10.7S:0.1:165.6E:0.2,h31km,n7, o=87/87,mb4.0/6,Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists seismic stations for the 756 event.

IDC 08 22:34:51.3,1.5, 10.99S:164.81E,h0km,mb3.8/5, mb1.4/0/6,mb1mx3.8/44,mbtmpp3.9/6,ML3.8/1, Error ellipse: s-maj=47.1km s-min=19.5km az=175.5

ISCJCB 08 22:34:52.1,1.1, 11.2S:0.1:164.8E:0.2,h31km,mb3.7/5, Error ellipse: s-maj=31.8km s-min=19.5km az=175.5

ISC 08 22:34:56.0,1.2, 11.1S:0.1:164.8E:0.3,h31km,n6, o=91/16,mb3.8/5,Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists seismic stations for the 756 event.

IDC 08 22:35:41.3,1.5, 11.00S:164.64E,h0km,mb3.9/5, mb1.4/1/6,mb1mx3.8/42,mbtmpp3.9/6,ML3.8/1, Error ellipse: s-maj=46.2km s-min=27.1km az=119.0

ISCJCB 08 22:35:43.9,1.1, 11.2S:0.1:164.6E:0.2,h29km,mb3.8/5, Error ellipse: s-maj=31.4km s-min=19.4km az=174.8

ISC 08 22:35:45.7,1.2, 11.1S:0.1:164.6E:0.3,h29km,n6, o=84/36,mb3.8/5,Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists seismic stations for the 756 event.

ISCJCB 08 22:37:51.0,1.1, 11.4S:0.1:165.8E:0.2,h10km,mb3.9/7, Error ellipse: s-maj=30.4km s-min=17.3km az=1.7

IDC 08 22:37:51.4,1.1, 11.2S:0.1:165.78E,h0km,mb4.0/7, mb1.4/2/8,mb1mx3.9/42,mbtmpp4.0/8,ML4.2/1, Error ellipse: s-maj=44.5km s-min=24.1km az=119.0

ISC 08 22:37:52.9,1.1, 11.3S:0.1:165.8E:0.2,h10km,n9, o=86/69,mb3.9/7,Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Lists seismic stations for the 756 event.



8d 23h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various data points for stations like ASAR, ILAR, MKAR.

IDC 0823:02:35.8:1.2, 30.06N:72.86E, h0km, mb3.7/9, mb1 3.8/1.1, mb1mx3.5/5.5, mbtmp3.7/11, ML3.6/2, Error ellipse: s-maj=23.3km s-min=12.0km az=172.0

ISCJB 0823:02:36.3:0.6, 29.93N:109.73E:0.07, h33km, mb3.6/9, Error ellipse: s-maj=13.2km s-min=6.8km az=24.3

ISC 0823:02:39.1:0.8, 30.15N:108.73E:0.07, h35km, n21, c2548/24, mb3.6/8, India-Pakistan border region

Main table for 8d 23h section, listing station codes (PYUN, DANN, KOLN, etc.), station names, and various parameters.

ISCJB 0823:02:51.8:1.1, 11.0S:0.1x166.0E:0.2, h10km, mb3.6/6, MS4.5/1, Error ellipse: s-maj=32.0km s-min=18.3km az=179.1

IDC 0823:02:52.0:1.7, 10.93S:165.98E, h0km, mb3.7/6, mb1 3.9/7, mb1mx3.7/39, mbtmp3.7/7, ML4.0/1, MS4.6/1, Ms1 4.6/1, ms1mx3.1/38, Error ellipse: s-maj=48.3km s-min=27.9km az=118.0

ISC 0823:02:53.5:1.2, 11.0S:0.1x166.0E:0.3, h10km, n8, c0537/7, mb3.8/6, Santa Cruz Islands

Table for 8d 23h section, listing station codes (DZM, RAO, WRA, etc.), station names, and various parameters.

ISCJB 0823:07:50.8:0.9, 11.1S:0.1x165.76E:0.09, h10km, mb3.8/6, Error ellipse: s-maj=17.7km s-min=11.6km az=24.0

IDC 0823:07:51.0:1.2, 11.00S:165.79E, h0km, mb3.9/6, mb1 4.1/8, mb1mx3.9/38, mbtmp4.0/8, ML4.5/1, MS4.4/1, Ms1 3.4/1, ms1mx2.9/46, Error ellipse: s-maj=35.3km s-min=24.4km az=142.0

ISC 0823:07:52.4:1.0, 11.0S:0.1x165.8E:0.1, h10km, n8, c0577/9, mb3.9/6, Santa Cruz Islands

Main table for 8d 23h section, listing station codes (HNR, HNR, HNR, etc.), station names, and various parameters.

ISCJB 0823:08:31.6:0.9, 10.9S:0.1x166.41E:0.09, h10km, mb3.6/6, MS4.4/1, Error ellipse: s-maj=17.4km s-min=11.8km az=17.7

IDC 0823:08:31.6:1.3, 10.79S:166.43E, h0km, mb3.7/6, mb1 4.0/8, mb1mx3.8/38, mbtmp3.8/8, ML4.1/2, MS4.4/1, Ms1 4.4/1, ms1mx3.1/45, Error ellipse: s-maj=35.7km s-min=24.0km az=17.7

ISC 0823:08:33.2:1.0, 10.8S:0.1x166.5E:0.1, h10km, n9, c113/9, mb3.7/6, Santa Cruz Islands

Main table for 8d 23h section, listing station codes (HNR, HNR, HNR, etc.), station names, and various parameters.

2013 FEB

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various data points for stations like YKA, IDC, etc.

IDC 0823:13:46.8:1.7, 11.01S:166.07E, h0km, mb3.7/3, mb1 4.0/4, mb1mx3.6/45, mbtmp3.7/4, ML3.3/1, Error ellipse: s-maj=55.2km s-min=30.6km az=128.0, Santa Cruz Islands

Table for IDC 0823:13:46.8:1.7, listing station codes (DZM, WRA, ASAR, ILAR) and parameters.

ISCJB 0823:15:33.4:0.1, 10.91S:0.02:165.79E:0.03, h10km, MS4.9/19, MS5.0/1, Error ellipse: s-maj=4.6km s-min=3.3km az=170.5

IDC 0823:15:33.7:0.4, 10.91S:165.76E, h0km, mb4.5/29, mb1 4.6/30, mb1mx4.5/47, mbtmp4.5/30, ML5.3/2, Error ellipse: s-maj=16.0km s-min=7.2km az=94.0

NEIC 0823:15:34.9:0.1, 10.86S:165.79E, h10km, mb5.0/66, Error ellipse: s-maj=4.3km s-min=3.3km az=107.0

ISC 0823:15:34.9:0.3, 10.91S:0.05:165.93E:0.06, h10km, n242, c1844/243, mb4.9/120, 1.2C, Santa Cruz Islands

Main table for 2013 FEB section, listing station codes (HNR, HNR, MARNC, etc.), station names, and various parameters.

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Main table for 758 section, listing station codes (HTT, ARPS, BBOO, etc.), station names, and various parameters.

SONA1	Singino Array	78.67	324	eP	P	23 27 36.5	-0.9
BILL	Bilbino	78.75	0	eP	P	23 27 37.4	+0.2
QSPA	South Pole Qui	79.09	180	eP	P	23 27 39.1	-0.4
GTA	Gaotai	79.09	314	UP	P	23 27 40.3	+0.4
GTA	Gaotai	79.09	314	SP	P	23 27 50.4	+2.0
GTA	Gaotai	79.09	314	S	S	23 27 54.6	+1.0
GTA	Gaotai	79.09	314	S	S	23 27 35.6	-4.0
GTA	Gaotai	79.09	314	SKS	S	23 27 47.5	+7.9
GTA	Gaotai	79.09	314	SS	SS	23 27 42.6	+7.8
GTA	Gaotai	79.09	314	SS	SS	23 42 43.4	-2.5
GTA	comp=Z,9.0nm,1.3s				pmax	pmax	
GTA	comp=Z,250nm,7.0s				LR	LR	
GTA	comp=N,510nm,17.8s				LR	LR	
GTA	comp=E,390nm,18.1s				LR	LR	
GTA	comp=Z,540nm,20.3s				LR	LR	
SUA	Susitna One	79.74	20	eP	P	23 27 43.0	+0.1
SHL	Shilou	80.61	298	eP	P	23 27 51.0	+2.5
CAST	Castle Rocks	80.77	18	eP	P	23 27 47.5	-0.8
SCM	Sheep Creek Mo	81.15	20	eP	P	23 27 51.0	+0.5
RND	Reindeer	81.75	19	eP	P	23 27 53.2	-0.4
RDOG	Red Dog Mine	81.86	11	eP	P	23 27 54.5	+0.5
MCK	McKinley	81.96	19	eP	P	23 27 54.3	-0.3
IM3	Indian Mountai	82.25	16	eP	P	23 27 55.8	-0.3
HARP	HAARP	82.29	21	eP	P	23 27 57.2	+0.8
Manley	Manley	82.26	17	eP	P	23 27 56.1	-0.6
MLY	Wood River Hill	82.75	18	eP	P	23 27 58.0	-0.7
MDM	Murphy Dome	83.05	18	eP	P	23 28 00.7	+0.4
HDA	Harding Lake	83.06	19	eP	P	23 28 00.5	+0.2
RIDG	Independen's Rid	83.29	20	eP	P	23 28 02.2	+0.6
ILAR	Eielson Array	83.33	18	eP	P	23 28 01.3	-0.4
ILB	Eielson Array	83.33	18	eP	P	23 28 01.0	-0.7
IL1	Eielson Array	83.33	18	eP	P	23 28 01.8	+0.8
DOT	Dot Lake	83.49	20	eP	P	23 28 02.8	+0.1
YBH	Yreka Blue Hor	83.67	46	eP	P	23 28 04.8	+0.6
SCRK	Sand Creek	83.73	20	eP	P	23 28 04.0	-0.0
ORV	Oroville	83.79	48	eP	P	23 28 04.7	+0.1
AFDM	Forest Hills D	83.98	49	eP	P	23 28 05.7	0.0
CMB	Columbia Colle	84.12	50	eP	P	23 28 06.7	+0.3
WAKR	Walker	84.98	49	eP	P	23 28 11.0	+0.1
DAWY	Dawson	85.37	21	eP	P	23 28 12.2	+0.1
PAHR	Pah Rah Range	85.39	48	eP	P	23 28 12.9	0.0
DAC	Darwin (Calif)	85.71	52	eP	P	23 28 13.5	-1.2
NV01	Mina Array Sit	85.80	50	eP	P	23 28 15.4	+0.3
NVAR	Mina Array Bea	85.80	50	eP	P	23 28 16.2	+1.1
NV11	Mina Array Sit	85.91	50	eP	P	23 28 16.0	+0.4
TIXI	Tiksi	85.99	349	eP	P	23 28 14.7	-0.3
KVN	Kaiserville	86.14	49	eP	P	23 28 16.6	-0.1
I07A	Izeze	86.68	44	eP	P	23 28 18.2	-1.0
J08A	Circle 5 Ram	87.16	45	eP	P	23 28 21.7	+0.2
HAWA	Hanford	87.39	42	eP	P	23 28 22.1	-0.4
G08A	Pilot Rock	87.43	43	eP	P	23 28 22.7	-0.1
E08A	Dider Farm, EI	87.73	42	eP	P	23 28 23.8	-0.2
R11A	Troy Canyon, C	87.83	50	eP	P	23 28 24.6	-0.3
B08A	Colville Reser	88.15	40	eP	P	23 28 25.8	-0.3
BMO	Blue Mountains	88.41	44	eP	P	23 28 27.6	+0.2
ELK	Elko	88.72	48	eP	P	23 28 29.2	0.0
ELK	Elko	88.72	48	eP	P	23 28 30.4	+1.2
F10A	Beach Ranch	88.79	43	eP	P	23 28 29.3	+0.1
WMQ	Urumqi	89.13	315	P	P	23 28 29.1	-1.7
WMQ				pP	P	23 28 41.1	+5.8
WMQ				sP	P	23 28 45.8	+1.2
WMQ				pmax	pmax		
WMQ	comp=Z,18nm,1.1s						
WMQ	comp=Z,350nm,6.3s				LR	LR	
WMQ	comp=N,810nm,17.1s				LR	LR	
WMQ	comp=E,670nm,15.7s				LR	LR	
PSUT	Pine Spring	89.19	51	eP	P	23 28 32.1	+0.7
CCUT	Cedar City	89.32	52	eP	P	23 28 32.9	+0.8
INK	Inuvik	89.72	19	eP	P	23 28 37.0	+4.2
INK	Inuvik	89.72	19	eP	P	23 28 34.3	+1.4
U15A	North Hill	89.88	53	eP	P	23 28 35.7	+0.8
HLID	Hailey	90.06	46	eP	P	23 28 36.3	+0.9
MTPU	Mount Pierson	90.34	51	eP	P	23 28 37.8	+0.7
BGU	Big Grassy Mou	90.39	48	eP	P	23 28 37.3	+0.3
HVU	Hansel Valley	90.78	48	eP	P	23 28 38.7	-0.1
NLU	North Lily Min	90.87	50	eP	P	23 28 38.8	-0.5
DLMT	Dillon	91.76	44	eP	P	23 28 41.3	-1.9
SYO	Syowa Base	91.96	197	iP	P	23 28 42.2	-1.3
LRM	Limekiln Ridge	91.97	44	eP	P	23 28 44.1	-0.2
BOZ	Bozeman (W)	92.48	44	eP	P	23 28 47.0	+0.5
PDAR	Pinedale Array	93.33	47	eP	P	23 28 52.1	+1.5
PDAR	Pinedale Array	93.33	47	eP	P	23 28 51.9	+1.2
MK01	Makanchi Array	93.53	317	eP	P	23 28 50.2	-1.0
MK31	Makanchi Array	93.55	317	eP	P	23 28 50.8	-0.5
MKAR	Makanchi Array	93.55	317	eP	P	23 28 50.8	-0.5
MKAR	Makanchi Array	93.55	317	eP	P	23 45 57.7	-0.1
MKAR	Makanchi Array	93.55	317	eP	P	23 28 50.0	-1.3
MKAR	Makanchi Array	93.55	317	eP	P	23 45 57.7	-0.1
ZAAO	Zalesovo Array	93.55	324	eP	P	23 28 50.4	-0.7
ZALV	Zalesovo Beam	93.55	324	eP	P	23 28 49.1	-1.9
ZALV	Zalesovo Beam	93.55	324	eP	P	23 28 49.7	-1.3
MAK2	Makanchi	93.76	317	eP	P	23 28 51.7	-0.5
YKA	Yellowknife A	94.77	27	eP	P	23 28 56.5	+0.1
YKBS	Yellowknife Ar	94.77	27	eP	P	23 28 56.0	-0.4
TXAR	Lajitas Array	95.61	61	eP	P	23 29 02.4	+1.2
NRIK	Noril'sk	96.06	318	eP	P	23 29 01.7	-0.5

ARCES	ARCES Array B	116.25	346	PKP	PKIKP	23 34 17.5	-0.6
LPAZ	La Paz	120.08	116	PKP	PKIKP	23 34 28.9	+1.1
FINES	FINES Array B	121.71	339	PKP	PKIKP	23 34 30.1	+1.2
CPUP	Villa Florida	123.98	132	PKP	PKIKP	23 34 35.0	+0.5
SDV	Santo Domingo	124.31	87	PKP	PKIKP	23 34 35.9	+0.2
NB2	NORSAR Subarra	126.34	345	PKP	PKIKP	23 34 38.6	-0.2
NOA	NORSAR Array B	126.62	345	PKP	PKP	23 34 37.2	-1.1
AKASG	Malin Array Be	126.85	327	PKP	PKP	23 34 38.5	-0.4
BRTR	Keskin Array	129.00	313	PKP	PKIKP	23 34 44.6	+0.3
LSZ	Lusaka	130.71	239	ePKP	PKP	23 34 44.6	-2.9
CLL	Colim	134.05	337	ePKP	PKP	23 34 55.0	+0.1
CLL	Colim	134.05	337	ePKP	PKP	23 35 05.0	
GERES	GERES Array B	135.66	334	PKP	PKP	23 34 55.3	-0.3
KEAT	GERES Array S	135.67	334	ePKP	PKP	23 34 51.3	
GEST	Kesra	147.42	323	PKP	PKP	23 35 19.6	-0.1
ES19	SORCE Array B	149.84	344	ePKP	PKP	23 35 20.7	-0.4
ESDC	Sonsec Array A	149.98	344	PKP	PKIKP	23 35 26.8	-0.3
TOAO	Torodi Ar. Sit	164.42	280	ePKP	PKP	23 35 39.9	-0.1
TORD	Torodi Ar. Bea	164.42	280	ePKP	PKP	23 35 41.4	+1.5

IDC 08 23:16:24.5:0.6, 11°12'S; 166°36'E, h0km, mb4.9/27, mb1 5.0/28, mb1mx4.8/49, mbtmp4.9/28, MLS, 2/1, MS4.9/6, MS1 4.9/6, ms1mx4.5/16, Error ellipse: s-maj=19.7km s-min=14.8km az=136.0  
 NEIC 08 23:16:26.8:0.1, 11°02'S; 166°76'E, h10km, mb5.3/139, MSS, 2/115, MW5.5, Error ellipse: s-maj=6.3km s-min=3.8km az=149.0, Moment Tensor Solution. s27  
 Moment tensor: Scale 10<sup>17</sup>Nm; M<sub>1</sub>: 1.62; M<sub>2</sub>: 0.59; M<sub>3</sub>: 1.12; M<sub>4</sub>: 0.14; M<sub>5</sub>: -0.90; M<sub>6</sub>: 0.73; Best double couple: M<sub>1</sub>: 1.900000; 1017; NP1: 308.00000; 839.00000; -1.17.00000; NP2: 161.00000; 856.00000; -1.70.00000; Principal axes: T 1.8400, Plg9.0000; Azm237.0000; N 0.0100, Plg17.0000; Azm329.0000; P -1.8600, Plg71.0000; Azm120.0000;  
 GCMT 08 23:16:27.8:0.1, 11°00'S; 0°01'; 166°90'E; 0°01', h12km, MW5.4/113, Moment Tensor Solution. s83, c125; s113, c185; Duration: 1s2 Moment tensor: Scale 10<sup>17</sup>Nm; M<sub>1</sub>: -1.47; 02; M<sub>2</sub>: 0.27; 02; M<sub>3</sub>: 1.20; 02; M<sub>4</sub>: -0.70; 07; M<sub>5</sub>: -0.58; 02; M<sub>6</sub>: -0.24; 06; Best double couple: M<sub>1</sub>: 63100; 1017; NP1: 333.00000; 851.00000; -1.120.00000; NP2: 355.00000; 848.00000; -1.59.00000; Principal axes: T 1.8450, Plg2.0000; Azm243.0000; N 0.2960, Plg23.0000; Azm153.0000; P -1.7780, Plg67.0000; Azm338.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function  
 ISC/JB 08 23:16:28.4:0.2, 10°97'S; 0°05'; 166°62'E; 0°03, h28km, mb5.2/174, MS5, 1/132, Error ellipse: s-maj=7.0km s-min=4.2km az=159.7  
 MOS 08 23:16:29.2:0.9, 10°95'S; 166°66'E, h33km, mb5.3/56, MS5, 0/10, Error ellipse: s-maj=8.6km s-min=7.4km az=105.7  
 BUJ 08 23:16:30.5: 10°75'S; 166°36'E, h38km, mb5.6/35, mb5.1/52, MS5, 2/35, MS1.5/42, P  
 ISC 08 23:16:29.3:0.1, 11°03'S; 0°06'; 166°75'E; 0°07, h28km, n454, c1822/373, mb5.3/174, MS5, 2/132, 16C-13D, Santa Cruz

Code	Station Name	Lat	Long	Phase ID	Time Res	ISC	h	m	s	ISC
HNR	Honiar	6.88	283	Op	Pn	23 18 08.6	+0.1			
HNR	Honiar	6.88	283	ePn	Pn	23 18 08.6	+0.1			
HNR	Honiar	6.88	283	Pn	Pn	23 18 11.3	+2.8			
HNR	comp=Z,29um,20.6s,baz=130,slo=37			LR		23 20 47.3				
HNR	Honiar	6.88	283	I	S	23 18 11.0	+2.6			
HNR	Honiar	6.88	283	eSn	Pn	23 18 11.1	+2.6			
ONTNC	Ouen Toro	11.21	181	ePn	Pn	23 19 06.2	-1.7			
MSVF	Nonsauv	12.81	1231	eP	Pn	23 19 29.1	-0.6			
EIDS	Eidsvold	20.58	224	eP	Pn	23 21 07.8	-0.8			
CTA	Charters Tower	21.68	243	P	LR	23 21 20.3	+2.2			
CTA	comp=Z,7um,18.2s,baz=52,slo=37			LR		23 28 53.5				
CTAO	Charters Tower	21.68	243	eP	P	23 21 19.0	+0.9			
CTAO	comp=Z,37nm,0.9s			LR	LR					
CTAO	Charters Tower	21.68	243	eP	pmax	23 21 19.0	+0.9			
CTAO	comp=Z,9um,19.0s			MLR	MLR					
RAO	Raou Island	23.10	144	PFAKE	LR	23 21 40.0	+7.0			
RAO	comp=Z,3um,20.0s			LR						
COEN	Coen	23.20	260	eP	P	23 21 35.1	+0.9			
ARMA	Armida	23.87	214	eP	P	23 21 42.1	+1.4			
URZ	Urevera	28.66	163	LR	LR	23 31 33.3				
WAKE	Wake Island	30.12	380	PFAKE	LR	23 22 50.0	+1.3			
WAKE	comp=Z,4um,20.0s			LR						
SNZO	South Karori	30.96	168	PFAKE	LR	23 23 00.0	+1.6			
SNZO	comp=Z,1um,21.0s			LR						
STKA	Stephens Creek	31.14	224	eP	P	23 22 46.0	+0.2			
STKA	comp=Z,4.4nm,1.0s									
STKA	Stephens Creek	31.14	224	eP	P	23 22 45.7	-0.1			
WC3	Warramunga Arr	32.39	250	eP	P	23 22 57.2	+0.2			
WRAB	Tennant Creek	32.41	250	eP	P	23 22 57.0	-0.1			
WRAB	comp=Z,66nm,1.3s			LR	LR					
WRAB	Tennant Creek	32.41	250	iP	P	23 22 57.6	+0.5			
WRAB	comp=Z,44nm,1.3s			pmax	pmax					
WRA	Warramunga Arr	32.42	250	eP	P	23 22 58.0	+0.8			
WRA	comp=Z,26nm,0.9s									
WRA	Warramunga Arr	32.42	250	P	P	23 22 57.5	+0.3			
WRA	comp=Z,26nm,0.9s,baz=80,slo=8.9,SNR=11			LR	LR	23 36 15.9				
TOO	Toolangi	32.60	212	eP	P	23 22 58.5	-0.1			
TOO	comp=Z,41nm,1.4s									



Table with columns: DUG, comp, LR, LR, 23 29 26.4 +0.5, etc. Includes stations like Dugway, Tooele, Big Grassy Mts, etc.

Table with columns: NIL, Nilore, 98.91 303, PFAKE, LR, 23 30 20.0 +12, etc. Includes stations like AAK, AAK, AAK, etc.

Table with columns: AKKB, Malin Array Si, 127.39 327, ePKIKP, PKPdf, 23 35 30.8 -0.7, etc. Includes stations like Malin Array Si, KIEV, KIEV, etc.

IDC 08 23:21:07.2±1.6, 13°15'N:87°02'W, h0km, mb3.4/3, mb1 3.7/5, mb1mx3.4/47, mbtmp3.3/5, ML2.7/2, MS2.9/1, Ms=1.2/9.1, ms1mx2.4/28, Error ellipse: s-maj=82.4km s-min=22.5km az=52.0, Honduras

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes stations like JTS, JTS, APG, etc.

IDC 08 23:26:42.0±2.1, 2°00'N:126°31'E, h0km, mb3.2/3, mb1 3.4/3, mb1mx3.2/35, mbtmp3.2/3, Error ellipse: s-maj=180.1km s-min=26.3km az=66.0, Northern Maluco Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Includes stations like WRA, ASAR, MKAR, etc.

ISCJB 08 23:41:04.7±0.4, 6°59'S:0°04', 127°62'E:0°06', h315km, mb3.7/13, Error ellipse: s-maj=8.1km s-min=5.1km az=178.7, DJA 08 23:41:06.7±0.3, 7°53'S:12°18'E, h186km, 9km, M4.4/12, mb4.3/12, mb4.8/6, MLV4.7/12, Mw(mb)4.1/6











Table with columns: ID, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Yellville, Caledonia, North Vernon, etc.

Table with columns: ID, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Livingston, Loudon, Thorn Hill, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, and other parameters. Includes stations like Ransiki, Vila Bispo, Vila Bispo, etc.

ICD 09 02:23:53.0:1.2, 1.91S: 133.64E, h0km, mb3.6/4, mb1.3/9.6, mb1mx3.7/31, mbmt3.7/6, ML3.9/2, Error ellipse: s-maj=5.9km s-min=21.8km az=86.0

ISCJB 09 02:27:18.3:0.6, 36.50N:0.03:9.77W:0.04, h35km, Error ellipse: s-maj=4.9km s-min=3.9km az=171.2

INMG 09 02:27:1.9:1.2, 36.53N:9.83W, h31km, ML2.4, Error ellipse: s-maj=4.2km s-min=2.8km az=72.0

IGIL 09 02:27:1.7, 36.52N:9.81W, h30km, ML2.4

CNRM 09 02:27:2.2, 36.20N:9.16W, h30km, ml2.9

ISC 09 02:27:18.3:1.8, 36.51N:0.06:9.89W:0.08, h35km, n75, s176/134, 6C-1D, West of Gibraltar









Table with columns: Station Name, Frequency, Mode, Class, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like Iera Moni Meta, Chania, Keramoti, etc.

Table with columns: Station Name, Frequency, Mode, Class, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like Paravola, Agios Georgios, PVO, etc.

Table with columns: Station Name, Frequency, Mode, Class, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like SONGIO Songoing Array, KLU Klutina, TLY Talaya, etc.

ITC 09 03:16:30.6:1.7, 121.18N:87.45W, h0km, mb3.8/8, mb1 4/1/10, mb1mx3.8/3.6, mbtmp3.8/10, MSJ=2.5, MS3.2/2, Ms1 3/2, ms1mx2.8/2.6, Error ellipse: s-maj=45.9km s-min=24.5km az=38.0

UCR 09 03:16:32.4:1.4, 11.7171N:0.06:87.81W, h14km, 6km, ML3.5, mb4.3(NEIC)

ISCBJ 09 03:16:34.0:0.7, 11.7171N:0.06:87.78W:0.05, h54km, 6km, mb4.1/15, MS3.6/1, Error ellipse: s-maj=11.9km

NEIC 09 03:16:36.0:0.8, 11.95N:87.62W, h52km, 7km, mb4.3/10, Error ellipse: s-maj=13.2km s-min=6.8km az=216.0

ISC 09 03:16:35.4:1.3, 11.7171N:0.06:87.76W:0.05, h51km, 12km, ms3, +194/59, mb4.2/15, Near coast of Nicaragua

GUC 09 03:02:26.0:4.36:28S:72.42W, h60km, 7km, ML3.6, Near coast of Chile

Table with columns: Code, Station Name, Frequency, Mode, Class, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like CCHI Chillan, AGCH Angol, etc.

ISC 09 03:07:00.4:0.8, 11.68S:165.66E, h0km, mb4.1/10, mb1 4/2/11, mb1mx3.0/3.7, mbtmp4.1/11, ML4.1/1, MS3.6/1, Ms1 3/3, ms1mx2.8/2.4, Error ellipse: s-maj=30.0km s-min=18.5km az=125.0

ISCJ 09 03:07:02.0:4.0, 11.77S:165.62E:0.08, h24km, mb4.3/22, MS3.5/1, Error ellipse: s-maj=12.3km s-min=8.3km az=42.3

NEIC 09 03:07:03.8:3.0, 11.72S:165.66E, h23km, 21km, mb4.6/14, Error ellipse: s-maj=8.4km s-min=7.9km az=128.0

ISC 09 03:07:04.1:0.6, 11.68S:165.67E:0.1, h24km, m42, +60/42, mb4.3/22, Santa Cruz Islands

Table with columns: Code, Station Name, Frequency, Mode, Class, Power, Azimuth, Elevation, SNR, and other technical details. Includes stations like G006 Curarahue, HNR Honiara, etc.

ISCBJ 09 03:20:33.0:5.0, 36.32N:104.70E:0.08, h188km, mb3.5/8, Error ellipse: s-maj=9.7km s-min=5.2km az=161.5

ISC 09 03:20:33.0:5.0, 36.20N:71.13E, h218km, 27km, mb3.2/9, mb1 3.3/15, mb1mx3.0/5.0, mbtmp3.8/15, Error ellipse: s-maj=21.7km s-min=14.8km az=12.0



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AOS Alonnissos, SMG Samos, and various other locations.

IDC 09 04:05:57.5:1.3, 11.86Sx165.18E, h0km, mb3.7/5, mb1 3.9/6, mb1mx3.7/25, mbtmp3.7/6, ML3.5/1, Error ellipse: s-maj=47.8km s-min=26.4km az=130.0, ISC/B 09 04:06:00.6:1.0, 12.1S:0.1x165.2E:0.2, h33km, mb3.6/5, Error ellipse: s-maj=28.7km s-min=19.6km az=8.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, MKAR Makanchi Array, YKA Yellowknife Ar.

IDC 09 04:08:10.4:3.4, 10.86Sx165.91E, h0km, mb3.7/3, mb1 3.8/4, mb1mx3.6/27, mbtmp3.7/4, ML3.5/1, Error ellipse: s-maj=71.1km s-min=45.1km az=85.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array.

IDC 09 04:08:36.5:2.2, 22.8S:0.9:179.3E:0.4, h553km, mb3.9/6, Error ellipse: s-maj=119.6km s-min=19.1km az=159.6, IDC 09 04:08:40.9:6.4, 23.17S:179.36E, h602km, 75km, mb3.3/6, mb1 3.7/6, mb1mx3.3/24, mbtmp3.4/6, Error ellipse: s-maj=113.3km s-min=32.3km az=161.0, IDC 09 04:08:36.8:2.2, 22.9S:0.8:179.4E:0.3, h553km, n9,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CTA Charters Tower, ASAR Alice Springs, WRA Warramunga Arr, NVAR Mina Array, TXAR Lajitas Array, ILAR Eielson Array, ARCES ARCESS Array B, FINES FINESSE Array B, BRTR Keskin Array B.

IDC 09 04:19:45.5:1.6, 17.13Sx174.39W, h0km, mb3.8/4, mb1 4.1/4, mb1mx3.7/35, mbtmp3.9/4, Error ellipse: s-maj=51.5km s-min=32.5km az=136.0, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like URZ Urewera, WRA Warramunga Arr, ASAR Alice Springs, PDAR Pinedale Array.

IDC 09 04:22:01.7:1.3, 13.76N:92.39W, h0km, mb3.8/6, mb1 4.1/9, mb1mx3.8/39, mbtmp3.7/9, ML3.5/3, MS3.6/3, Ms1 3.6/3, ms1mx2.9/37, Error ellipse: s-maj=32.0km s-min=20.1km az=39.0, MEX 09 04:22:03.9:0.3, 13.84N:92.27W, h104km, 8km, MD4.1 ISC/B 09 04:22:06.6:0.7, 13.87N:0.06:92.38W:0.06, h46km, mb4.1/15, Error ellipse: s-maj=9.2km s-min=7.9km az=142.4, NEIC 09 04:22:07.1:0.7, 13.84N:92.35W, h35km, mb4.5/9, MD4.1 (MEX), Error ellipse: s-maj=12.8km s-min=9.8km az=213.0, IDC 09 04:22:08.2:0.9, 13.90N:0.09:92.41W:0.06, h46km, n38, az=142/42, mb4.2/15, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THIG Thimble, THIG Thimble, THIG Thimble, PCIG Pico Iguaçu, APG El Apazote, APC Agios Georgios, CCG Comitan, CCG Comitán, CCG Matias Romero, CMIG Matias Romero, TEIG Tepich, JTS JuntasAbangare, LTJ Lajitas, TXAR Lajitas Array, TX31 Lajitas Ar. Si, MINTX Mink Mountain, MSTX Muleshoe, AMTX Amarillo, TKL Tuckaleechee C, ANJO Albuquerque, SJG San Juan, MVCO Mesa Verde, PDAR Pinedale Array, REDW Red Top Meadow, NV01 Mina Array, NVAR Mina Array, MCMT McKenzie Canyo, J08A Circle Bar, F10A Beach Ranch, LPAZ La Paz, LPAZ La Paz, YKA Yellowknife Ar, YKBS Yellowknife Ar, ILAR Eielson Array, ILB Eielson Array, MLY Manley, DBIC Dimbokro, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr.

IDC 09 04:25:05.4:1.4, 0.73Sx127.64E, h0km, mb3.3/4, mb1 3.4/4, mb1mx3.3/33, mbtmp3.3/4, MS4.0/1, Ms1 4.0/1, s-min=2.18km az=70.0, Halmahera

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MJAR Matsushiro Arr, SONM Songoing Arr, MKAR Makanchi Array.

SJA 09 04:28:27.5:0.7, 32.54Sx68.91W, h121km, 5km, ML2.4, MW3.7, Mendoza Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAL Salagasta, ARCO CERRO ARCO, AUSP Uspallata, RTLS Leoncito, RTLS Leoncito, AUSP Uspallata, RTLS Leoncito, RTLS Leoncito, ROCI El Roble, ROCI El Roble, ACCO Cerro Coronel.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ASAL Salagasta, ARCO CERRO ARCO, AUSP Uspallata, RTLS Leoncito, RTLS Leoncito, ROCI El Roble, ROCI El Roble, ACCO Cerro Coronel.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KRNET, SOME, NNC, TARG Taragay, KDJ Kajisay, KDJ Kajisay, ULHL Ulahol, ULHL Ulahol, ULHL Ulahol, NRN Naryn, NRN Naryn, TNSS Tian-Shan, TNSS Tian-Shan, TNSS Tian-Shan, SATY Saty, SATY Saty, SATY Saty, BOOM Boomkoy usch, BOOM Boomkoy usch, MDOK Medeo, MDOK Medeo, MDOK Medeo, MDOK Medeo, IZV Izvestkoviy, IZV Izvestkoviy, IZV Izvestkoviy, KOTS Kotrybulak, KOTS Kotrybulak, KOTS Kotrybulak, KNDC Almaty, KNDC Almaty, AAA Almaty, AAA Almaty, MTBS Maitube, MTBS Maitube, MTBS Maitube, UZB Uznubulak, UZB Uznubulak, UZB Uznubulak, UZB Uznubulak, KZA Kyzart, KZA Kyzart, KZA Kyzart, KST Kastek, KST Kastek, KST Kastek, KURS Kuram, KURS Kuram, KURS Kuram, TKM2 Tokmak 2, TKM2 Tokmak 2, TKM2 Tokmak 2, TKM2 Tokmak 2, DGS Degeres, DGS Degeres, DGS Degeres, KTBS Karatobe, KTBS Karatobe, KTBS Karatobe, PDGK Podgornoye, PDGK Podgornoye, PDGK Podgornoye, PDGK Podgornoye, CHKK Chushkaly.







Table with columns: call sign, frequency, mode, power, and other technical details. Includes stations like BVAO, KMMI, BRVK, HARP, RIDG, PPBI, SRBI, DOT, SCRK, AML, PSI, PSI, MNAS, GMJI, ARSB, SFK, NGJI, EGAK, MNSI, DAWY, KK31, KK31, KKAR, KKAR, GSI, LHSI, EPYK, EPYK, MASI, BTK, BTK, HYT, NIL, NIL, INK, GAR, SVE, SVE, CHGR, ARU, ARU, FITZ, FITZ, CTAO, CTAO, WRAB, WRAB, WB2, WRA, KBL, KBL, AB31, AB31, ABKAR, HYB, AKTO, AKTO, DLBC, DLBC, AS01, AS31, ASAR, ASAR, SPA0, PRGR, MBWA, PALK, PALK, PALK, LVZ, LVZ, APA, APA, RES, RES, RES, TCMR, DZM, KEV, KEV, GEYT, GEYT, GYA0B, KLMR, KLMR, KLMR, KLMR, KLMR, YKA, YKA, YKB5.

Table with columns: call sign, frequency, mode, power, and other technical details. Includes stations like ARCES, AREO, TRO, DAG, XMAS, MOS, MOS, MOS, MOS, D03D, VRH, STEI, OBN, OBN, OBN, LOF, LPSR, STKA, STKA, STKA, STKA, FIA1, FINES, VSR, VSR, B08A, H04A, KONS, F07A, GOF, GOF, NEW, NEW, NEW, VSU, VSU, VSU, VSU, PINE, NCK, NCK, J05D, E09A, ZEI, ZEI, SUMG, SUMG, SUMG, SUMG, KBZ, KBZ, KIV, KIV, KIV, KIV, KIV, BIDO, BANOM, SHME, NEY, NEY, NNS, MSFE, GNI, GNI, UOSS, UOSS, UOSS, HATD, HATD, ASHO, ASHO, ASHO, BMO, BMO, BMO, SCO, SCO, J08A, FAQ, FAQ, IZAR, IZAR, MHTO, MHTO, MHTO, IDID, IDID, IDID.

Table with columns: call sign, frequency, mode, power, and other technical details. Includes stations like ALNE, MCGM, MINK, ISAL, IIGN, IIGN, NACGM, AJN, AJN, TBLU, TBLU, NWA0, NWA0, AGRB, DQM, DQM, PAHR, AKDM, MFID, FFC, FFC, FFC, FFC, NC204, NB201, YERR, NB2, NB2, NOA, NOA, AKASG, AKASG, AKKB, KIEV, KIEV, KIEV, KIEV, KIEV, LRM, AK11, NC602, NB000, EGMT, EGMT, NA001, DLMT, DLMT, HLID, HLID, AKN, SIHT, SIHT, BNGB, SUW, SUW, SUW, SUW, BOZ, BOZ, BOZ, BOZ, KVN, KVN, KVN, SVAN, NV01, NVAR, NV11, OSL, SIM, SIM, SIM, HYA, YHB, ELK, ELK, ELK, PTK, KONO, KONO, KONO, YMR, GCMT, MAZI, YFT, SUE, YPP, LKWY, LKWY, LKWY, H17A, H17A, IMW, FLWY, CWC, FXWY, LKMY, RLMT, RLMT, ODDI, ODDI.



2013 FEB

Table with columns: Jd, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Loganville, Cornudas Mount, Leonard, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ONAJ, JFK, JFFD, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PICO, PDA, GROTA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CTA, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM, WRA, SONM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR, DZM, ONTA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like COEN, H1S2, H1S3, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAR, BBOO, FITZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM, WRA, SONM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like H10N3, H10N2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like UZB, DZM, PDGK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PDGK, PDGK, PDGK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KURS, KURS, KURS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DJR, DJR, DJR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CHKK, CHKK, CHKK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KUU, KUU, KUU, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM, DZM, DZM, etc.

SOME 09 05:15:41.3, 42:53N:79:67E, h20km

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM, DZM, DZM, etc.

















Table with columns: EDDO, LCR2, CVTR, HDC, SRA1, AZU, AZU, FORC, ARE1, CEDE, JTS, ZANG, ZANG, BCIP, BCIP, PTEN, PLVR, CUI, FRU, COLC, MESS, NY14, LAPC, GBSS, ACON. Includes station names, times, and various codes.

Table with columns: INU, JNU, PETK, PEK1, KULM, ILAR, MK32, MKAR. Includes station names, times, and various codes.

Table with columns: GTA, GTA, QSPA, CAST, RND, IM3, HDA, IL1, ILAR, ILB, SCRK, WMQ, MK01, MK02, MKAR. Includes station names, times, and various codes.

ROM 09 06:17:15.6:0.1,42:869N:0004:13:055E:0:010, h10km,ML1.3/4,Central Italy

Main table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Includes stations like NRCA, FDMO, CESI, LNSS, SRA1, ASSB, SNTG, ATCC.

IDC 09 06:10:02.9:0.7, 10:94S:165:32E, h0km, mb4.3/16, mb1 4.4/18, mb1mx4.4/30, mbtmp4.4/18, ML4.9/2, MS3.6/3, Ms1 3.6/3, ms1mx3.2/27, Error ellipse: s-maj=20.2km s-min=14.7km az=92.0

NEIC 09 06:42:03.4:0.3, 10:86S:165:20E, h10km, mb4.6/24, Error ellipse: s-maj=7.6km s-min=5.4km az=84.0

ISCJB 09 06:42:04.0:0.3, 10:95S:165:16E:0.05, h30km, mb4.4/12, Error ellipse: s-maj=7.8km s-min=5.5km az=165.1

ISC 09 06:42:06.2:0.5, 10:91S:167:165:27E:0.07, h30km, n79, c129/76, mb4.5/42, Santa Cruz Islands

Main table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Includes stations like HNR, MARNC, DZM, STKA, H1N1, H1N2, WB2, WR1, WRA, BFZ, THZ, KHZ, ASO1, AS31, ASAR, KSAR, KS01, NJ2, USRK, PETK, PEK1, CN2, CN2, BJT, XAN, XAN, KMI, HHC, HHC, CMAR, LZH, LZH, LZH, SNOA, SONM, GAT, GAT, GAT, GAT.

IDC 09 06:44:20.4:0.5, 11:84S:165:17E, h0km, mb4.6/19, mb1 4.7/22, mb1mx4.7/33, mbtmp4.6/22, ML4.7/3, MS3.9/7, Ms1 3.9/7, ms1mx3.5/26, Error ellipse: s-maj=17.9km s-min=14.1km az=99.0

ISCJB 09 06:44:21.9:0.2, 11:89S:165:04E:0.03, h15km, mb4.8/130, MS4.1/7, Error ellipse: s-maj=4.9km

NEIC 09 06:44:22.6:0.1, 11:83S:165:10E, h10km, mb4.9/109, Error ellipse: s-maj=4.1km s-min=3.3km az=127.0

ISC 09 06:44:24.8:2.2, 11:93S:165:16E:0.06, h25km, 15km, n204, c113/213, mb4.9/130, MS4.0/7, 1.C, Santa Cruz Islands

Main table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res. Includes stations like HNR, HNR, HNR, HNR, HNR, MARNC, DZM, DZM, DZM, CTA, ONTC, PNNC, EIDS, CTA, CTA, CTAO, ARMA, OUZ, MXZ, URZ, URZ, URZ, URZ, BKZ, STKA, STKA, STKA, STKA, H1S2, H1S3, BFZ, H1S3, WRAB, WB2, WB2, WR1, WRA, WRA, TOO, H1N1, H1N1, H1N2, OXZ, ASO1, ASO1, AS31, ASAR, ASAR, RPZ, RPZ, BBOO, BNDI, FITZ, SOEI.





9d 7h

Table with columns: CMIG, TGUH, ESTN, JTS, JTS, JTS, JTS, JTS, TEIG, LTX, TX31, TXAR, MIAR, GOGA, SDV, SDV, GDL2, MSTX, WWT, AMTX, CCM, ANMO, WCI, WED, NCB, NVAR, MCMT, JOBA, EGMT, HO4A, FCC, SCHG, YKA, YKB5, YKW3, BDFB, ILAR, OHAK, RND, MLY, SVW2, CMAR. Includes station names, coordinates, and various codes.

IDC 09 07:16:48.6:1.0, 11.76Sx165.29E, h0km, mb3.9/7, mb1 4.1/8, mb1mx3.8/23, mbtmp3.8/6, ML3.6/1, MS3.7/1, Ms1 3.6/1, ms1mx2.7/26, Error ellipse: s-maj=43.4km s-min=22.0km az=134.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DZM, STKA, WRA, ASAR, ILAR, MKAR, YKA, TXAR.

SOME 09 07:21:43.4:1.4, 41.60N;76.30E, h5km, KRNET 09 07:21:43.4:0.1, 41.76N;76.26E, h15km, mb2.3, NNC 09 07:21:43.6:1.0, 41.75N;76.23E, h0km, mb3.1, mpv2.7, Error ellipse: s-maj=6.5km s-min=4.2km az=170.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like NRN, ULHL, BOOM, KDJ, KZA, TARG, TKM2, KST, KBK, ARLS.

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Table with columns: ARLS, MDOK, MDOH, DGS, DGS, DGS, AAK, AAK, AAK, AML, AML, KTBS, KTBS, KTBS, EKS2, SATY, SATY, KUU, KUU, CHKK, CHKK, CHKK, MRKS, MRKS, MRKS, MRKS, UZB, UZB, UZB, PDGK, PDGK, MNAS, MNAS, MNAS. Includes station names, coordinates, and various codes.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DZM, WRA, ASAR, ILAR.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DZM, WRA, ASAR, ILAR.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DZM, CTA, H1S2, H1S3, H1S1, H1N1, H1N3, H1N2, WRA, ASAR, ILAR.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like DZM, WRA.

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Table with columns: ASAR, JHU, ILAR, MKAR, IDC 09 07:34:29.1:0.8, 10.91S;165.20E, h0km, mb4.3/17, MS1 3.8/2, ms1mx3.2/27, Error ellipse: s-maj=22.7km s-min=16.2km az=136.0, NEIC 09 07:34:31.1:1.0, 10.83S;165.12E, h10km, mb4.8/24, Error ellipse: s-maj=6.0km s-min=4.5km az=102.0, ISCJB 09 07:34:32.3:0.3, 10.91S;0.04;165.11E;0.05, h31km, mb4.6/45, MS4.7/2, Error ellipse: s-maj=7.1km s-min=5.6km az=0.9, ISC 09 07:34:33.0:0.4, 10.84S;0.06;165.11E;0.06, h31km, n89, r1531/87, mb4.6/45, Santa Cruz Islands. Includes station names, coordinates, and various codes.



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Table with columns: Call sign, Name, Frequency, Mode, Power, and other details. Includes stations like EIDS, MANU, CTA, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other details. Includes stations like RAR, BBOO, BNDI, etc.

Table with columns: Call sign, Name, Frequency, Mode, Power, and other details. Includes stations like KSAR, WYSS, WYSS, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like XAN, UTTA, SUKH, MA2, CMMT, CHTO, ZEA, HIA, CD2, BTO, SEY, YAK, GAMB, YAK, YAK, SVW2, ULN, ULN, QSPA, ANM, ANM, RSO, SONA, SONA, SONM, SONM, SONM, SONA1, BRLLK.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BILL, GTA, SML, SCM, DIV, HMT, TRF, ZAK, KLU, BPWA, RND, RND, RDOG, LSA, LSA, MCK, MCK, MCK, IM3, MLY, KMRM, WRH, MDM, HDA, HDA, O02D, TCOL, COLA, COLA, MOY, MOY, RIDG, ILAR, ILAR, ILB, J01E, K02D, WDC, WDC, POKR, M02C, DOT, PKM, YBH, YBH, SCRC, HUME, H03E, I03D, MAW, AFDM, COLD, CMB, CMB, L04D, TAPN, HYT, COR, COR.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like M04C, ODAN, I04A, J04D, H04D, KNKR, ISA, ISA, ISA, MDPB, WAKR, EDWZ, RAMN, OMMB, PNTR, BFSC, VCNR, H04A, MLAC, WHY, EGAK, J05D, MURC, YERR, DAWY, CWC, PAHR, LRMC, E04D, D03D, I05D, JIRN, PINE, PGC, MPMC, NV01, NVAR, G05D, TIXI, TIXI, TIXI, GUN, NV11, PALK, PALK, PALK, D05A, GRAC, KVN, KVN, SWSC, PKIN, DLBC, HEC, BELC, FURC, KKN, B05A, DMN, SHOC, BC3, I07A, TUQ, WVOR, WVOR, GMRC, TPNV, GLA, IRM, J08A, LLLB, HAWA, G08A, Y12C, EPYK, EPYK, NEE2, DANN, KOLN, R11A, R11A, PDMCI, D08A.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like B08A Colville Reser, W13A Hualapai Mount, 214A Organ Pipe Nat, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like ZALV, ZAA1 Zalesovo Array, B0W6 Boulder Array, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like KIEV Kiev, AK11 Malin Array Si, KMB0 Kilima Mbojo, etc.









9d 10h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for stations like Karagaybulak, Tokmak 2, Kyzart, Chumysh, AAK, UCH, KST, DGS, ULHL, USP, SGDS, MTBS, ARLS, IZV, EKS2, AML, NRN, TNS5, MDOK, and others.

2013 FEB

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for stations like Medeo, KDJ, KOTS, MRKS, KU, CHKK, MNAS, TARG, KURS, SATY, PDGK, KK31, KAPS, and others.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for stations like Cruz Islands region, HNR, DZM, WRA, ASAR, YKA, and others.

NEIC 09 10:23:51.7,0.2,11.88S;165.66E,h10km,mb5.1/59,Error ellipse: s-maj=4.9km s-min=3.7km az=80.0  
 MOS 09 10:23:53.8,1.0,11.85S;165.64E,h33km,mb5.1/45,MS4.9/6,Error ellipse: s-maj=10.8km s-min=7.9km az=133.0  
 GCMT 09 10:23:54.7,0.1,12.00S;0.01;165.81E;0.01,h12km,MW5.3/107,Moment Tensor Solution. s87,c131;s107,c188; Duration: 1s0 Moment tensor: Scale 10<sup>17</sup> Nm; M<sub>0</sub>-0.59E+01; M<sub>11</sub>-0.02E+01; M<sub>22</sub>-0.56E+01; M<sub>33</sub>-0.47E+04; M<sub>31</sub>-0.15E+01; M<sub>32</sub>-0.62E+04; Best double couple: M<sub>0</sub> 97900; 1017; 1.79 0.00000; 1.79 0.00000; 1.79 0.00000; 1.79 0.00000; 1.79 0.00000; 1.79 0.00000; Principal axes: T 1.0020, P1g11.0000; Azm14.0000; N -0.0460, P1g11.0000; Azm152.0000; P -0.9560, P1g26.0000; Azm247.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.

ISC 09 10:23:52.6,1.0,11.97S;0.05;165.75E;0.05,h13km,5km,n298,s1988/313,mb5.1/115,MS4.9/30,7C-4D,Santa Cruz

Code	Station Name	Δ°	AZP	Phase ID	ISC	Time	Res
HNR	Honiara	6.23	293	eP	Pn	10 25 26.0	+1.7
HNR	Honiara	6.23	293	eS	Sn	10 26 41.0	+5.6
HNR	Honiara	6.23	293	ePn	Pn	10 25 22.3	-1.9
HNR	Honiara	6.23	293	eSn	Sn	10 26 35.1	-0.2
HNR	Honiara	6.23	293	eP	Pn	10 25 22.3	-1.9
HNR	Honiara	6.23	293	ePn	Pn	10 26 35.1	+1.1
HNR	Honiara	6.23	293	ePn	Pn	10 26 38.3	+2.9
MARNC	Mare, Loyalty	9.71	167	ePn	Pn	10 26 12.2	+0.2
DZM	Mont Dzumac	10.07	176	ePn	Pn	10 26 16.3	-0.8
DZM				eLQ	LQ	10 28 08.5	
DZM				eLR	LR	10 28 34.0	
DZM	comp=Z,4um,23.6s						
DZM	Mont Dzumac	10.07	176	ePn	Pn	10 26 18.7	+1.7
DZM				eS	Sn	10 26 06.5	-3.5
DZM	Mont Dzumac	10.07	176	ePn	Pn	10 26 16.6	-0.5
DZM	4.8nt,0.3s,baz=334,slow=16,SNR=20			eS	Sn	10 28 06.5	-3.5
DZM	0.9nm,0.3s,baz=300,slow=20,SNR=2.5			eLR	LR	10 28 55.2	
DZM	comp=Z,575nm,21.9s,baz=10,slow=30						
ONTNC	Ouen Toro	10.31	176	ePn	Pn	10 26 21.6	+1.3
MSVF	Nonsavu	13.20	117	ePn	Pn	10 27 01.9	+2.0
MSVF	Nonsavu	13.20	117	eP	Pn	10 27 02.0	+2.0
TARA	Tarawa	15.03	29	ePn	Pn	10 27 25.7	+0.9
EIDS	Eidsvold	19.23	224	eP	Pn	10 28 20.0	+2.5
EIDS	Eidsvold	19.23	224	eP	P	10 28 15.4	-1.1
CTA	Charters Tower	20.39	244	eP	Pn	10 28 30.9	-0.5
CTA	Charters Tower	20.39	244	eP	LR	10 36 15.0	
CTA	comp=Z,3um,18.4s,baz=75,slow=36						
CTAO	Charters Tower	20.39	244	eP	P	10 28 28.2	-1.0
CTAO	Charters Tower	20.39	244	eP	Pmax	10 28 28.3	-1.0
CTAO	comp=Z,40nm,0.8s						
MANU	Manus Island	20.71	297	eP	P	10 28 31.2	-1.7
RMQ	Roma	21.55	225	eP	P	10 28 44.3	+2.5
MTSU	Mount Surprise	21.57	251	eP	P	10 28 40.9	-1.2
COEN	Coen	22.08	262	eP	P	10 28 43.7	-3.9
COEN	Coen	22.08	262	eP	P	10 28 47.0	-0.6
ARMA	Armidale	22.55	213	eP	P	10 28 49.1	-3.4
ARMA	Armidale	22.55	213	eP	P	10 28 52.8	+0.3
KNTN	Kanton	24.12	70	eP	P	10 29 09.2	+0.8
OZU	Omahuta	24.22	164	eP	P	10 29 10.0	+0.9
MGCD	Mangrove Creek	25.04	210	eP	P	10 29 18.0	+1.5
QIS	Mount Isa	26.48	248	eP	P	10 29 31.8	+2.0
CMSA	Cobar Meteorol	26.86	220	eP	P	10 29 35.9	+2.8
YNG	Young	27.28	213	eP	P	10 29 41.0	+4.2
CAN	Carberra	27.77	210	eP	P	10 29 44.6	+3.3
URZ	Urewera	28.08	161	eP	P	10 29 44.6	+0.7
URZ	Urewera	28.08	161	eP	P	10 29 41.0	-2.9
BKZ	Black Stump Fm	28.72	162	eP	P	10 29 53.6	+4.0
STKA	Stephens Creek	29.78	224	eP	P	10 29 59.4	+0.3
STKA	Stephens Creek	29.78	224	eP	P	10 29 58.6	-0.5
STKA	Stephens Creek	29.78	224	eP	P	10 29 59.0	-0.1
STKA	comp=Z,1.8nm,0.8s,baz=34,slow=8,SNR=31			eLR	LR	10 41 54.3	
BFZ	Birch Farm	30.06	164	eP	P	10 30 03.1	+1.6
SNZO	South Keroni	30.27	167	eP	P	10 30 02.7	-0.6
THZ	Tophouse	30.34	169	eP	P	10 30 05.2	+1.2
KHZ	Kahutara	31.09	169	eP	P	10 30 11.2	+0.8
WRAB	Tennant Creek	31.17	251	eP	P	10 30 10.1	-1.5
WRAB	Tennant Creek	31.17	251	dIP	Pmax	10 30 13.1	+1.6
WB2	Warramunga Arr	31.17	251	eP	P	10 30 10.3	-1.2
WB2	Warramunga Arr	31.17	251	eP	P	10 30 07.9	+1.3
WRA	Warramunga Arr	31.18	251	eP	P	10 30 10.8	-0.9
WRA	comp=Z,25nm,1.2s,baz=80,slow=8.3,SNR=37			eP	P	10 30 07.3	+0.7
WRA	comp=Z,5.5nm,1.0s,baz=76,slow=2.4,SNR=6.6			eP	P	10 30 34.4	-2.4
WRA	comp=Z,0.9nm,1.1s,baz=355,slow=0.6,SNR=6.4			eLR	LR	10 42 38.7	
LTZ	Lake Taylor	31.22	171	eP	P	10 30 11.2	-0.6
FOZ	Fox Glacier	31.65	174	eP	P	10 30 14.9	-0.5
RPZ	Rata Peaks	31.96	173	eP	P	10 30 18.3	+0.0
RPZ	Rata Peaks	31.96	173	eP	P	10 30 17.7	-0.5
MGQ	McQueen's Vall	32.19	171	eP	P	10 30 21.8	+1.7
AS01	Alice Springs	32.35	245	eP	P	10 30 20.0	-2.0
AS01	Alice Springs	32.39	245	eP	P	10 30 10.3	+0.6
AS31	Alice Springs	32.39	245	eP	P	10 30 21.0	-1.3
ASAR	Alice Springs	32.39	245	eP	P	10 30 20.8	-1.5
ASAR	comp=Z,2.1nm,0.8s,baz=74,slow=9.5,SNR=49			eP	P	10 33 11.1	+1.1
ASAR	comp=Z,0.6nm,1.1s,baz=70,slow=1.2,SNR=4.6			eP	P	10 40 35.0	-2.6
ASAR	comp=Z,2um,18.9s,baz=77,slow=36			eLR	LR	10 43 22.6	
KDU	Kakadu	32.50	265	eP	P	10 30 22.7	-0.6
HTT	Hallett	32.52	225	eP	P	10 30 23.4	+0.1
LBZ	Lake Benmore	32.53	174	eP	P	10 30 24.6	+1.4
ODZ	Otahua Downs	32.23	174	eP	P	10 30 29.3	0.0
MLZ	Mauora Lakes	33.35	177	eP	P	10 30 32.0	+1.6
DCZ	Deep Cove	33.41	178	eP	P	10 30 30.3	-0.5

BBOO	Buckleboo	34.21	228	eP	P	10 30 40.3	+2.2
BBOO	Buckleboo	34.21	228	eP	P	10 30 38.6	+0.5
KNRA	Kunurra	36.07	260	eP	P	10 30 54.6	+0.4
BRKA	Bandanaira	36.20	279	eP	P	10 30 58.4	+3.0
WRKA	Warakurna	37.68	244	eP	P	10 31 07.1	-0.9
FITZ	Fitzroy Crossi	39.15	256	eP	P	10 31 21.9	+1.6
FITZ	Fitzroy Crossi	39.15	256	eP	P	10 31 19.8	-0.5
NLAI	Namlea	39.23	280	eP	P	10 31 26.8	+5.8
FORT	Forrest	39.52	236	eP	P	10 31 25.3	+2.0
FORT	Forrest	39.52	236	eP	P	10 31 23.6	+0.4
SANI	Sanana	40.61	281	eP	P	10 31 37.5	+5.0
SOEI	Soe	40.77	269	eP	P	10 31 39.4	+5.4
BATI	Baumata	41.31	268	eP	P	10 31 42.3	+4.0
MMRI	Maumere	42.90	270	eP	P	10 31 50.3	-1.0
MMRI	Maumere	42.90	270	eP	P	10 31 54.2	+2.9
PPT	Papeete	43.48	103	eLR	LR	10 47 52.4	
PPT2	Papeete2	43.48	103	eS	S	10 38 28.7	+3.9
PPT2	comp=Z,2um,26.2s			eLQ	LQ	10 42 15.2	
PPT2	comp=Z,2um,27.2s,baz=276			eLR	LR	10 44 08.8	
LUWI	Luwuk	43.98	281	eP	P	10 31 59.4	-0.6
LUWI	Luwuk	43.98	281	eP	P	10 32 03.8	+3.8
MBWA	Marble Bar	44.91	252	eP	P	10 32 07.5	+0.2
BKSI	Bulukumba	45.54	274	eP	P	10 32 15.2	+2.8
BNSI	Bone	45.47	276	eP	P	10 32 16.6	+2.6
SPSI	Sidrap Palu	46.16	276	eP	P	10 32 19.5	+2.1
TTSI	Tana Toraja	46.32	277	eP	P	10 32 24.1	+5.5
MEEK	Meekehatharra	46.55	245	eP	P	10 32 22.6	+2.3
KLBR	Kelberlerrin	48.22	238	eP	P	10 32 35.1	+1.9
BLDU	Ballidu	48.89	240	eP	P	10 32 40.2	+2.2
NWAO	Narrogin (SRO)	48.95	237	eP	P	10 32 40.7	+1.9
NWAO	Narrogin (SRO)	48.95	237	eP	P	10 32 38.7	-0.1
NWAO	Narrogin (SRO)	48.95	237	eP	Pmax	10 32 38.7	-0.1
MORW	Morawa	49.19	242	eP	P	10 32 42.7	+1.9
MORW	Morawa	49.19	242	eP	P	10 32 40.2	-0.5
MORW	Morawa	49.19	242	eP	P	10 32 46.3	+2.7
MUN	Munding	49.59	238	eP	P	10 32 45.2	+1.4
KKM	Kota Kinabalu	52.40	287	eP	P	10 33 07.8	+2.6
TAOE	Nuku Hiva Isla	53.24	92	eS	S	10 40 45.0	+2.2
TAOE	comp=Z,440nm,26.6s			eLQ	LQ	10 46 24.2	
TAOE	comp=Z,1um,27.3s,baz=265			eLR	LR	10 48 23.6	
PCJI	Pacific	53.79	269	eP	P	10 33 18.9	+3.5
MJAR	Matsushiro Arr	54.78	333	eP	P	10 33 20.4	-1.7
MJAR	comp=Z,1.5nm,1.1s,baz=168,slow=8.1,SNR=14			eP	P	10 34 23.9	-0.7
MAJO	Matsushiro	54.78	333	eP	P	10 33 20.1	-2.1
MAJO	Matsushiro	54.78	333	eP	Pmax	10 33 20.4	-1.8
MAT	Matsushiro	54.78	333	eP	P	10 33 20.2	-2.0
MAT	Matsushiro	54.78	333	eS	S	10 41 03.6	+0.8
MJB9	Matsu-Tunnel	54.79	333	eP	P	10 33 20.4	-1.8
SBUM	Sibu	55.08	282	eP	P	10 33 27.8	+3.1
JNU	Nakatsue	55.82	325	eP	P	10 33 29.3	-0.5
JNU	Nakatsue	55.82	325	eLR	LR	10 55 23.1	
KSM	Kuching	56.65	280	eP	P	10 33 34.9	-1.2
RKT	Rikitea	57.27	110	eS	S	10 41 39.2	+2.8
RKT	comp=Z,389nm,34.8s			eLQ	LQ	10 48 03.7	
RKT	comp=Z,530nm,30.0s			eLR	LR	10 50 25.9	
ASAJ	Asahikawa	59.66	341	eP	Pmax	10 33 56.3	-0.2
ASAJ	Asahikawa	59.66	341	eP	P	10 33 56.3	-0.2
SSE	Sheshan	60.51	316	eP	P	10 34 04.0	+1.4
SSE	Sheshan	60.51	316	eP	Pmax	10 42 24.5	+6.4
SSE	comp=Z,14nm,1.0s			eP	Pmax		
SSE	comp=Z,260nm,4.9s			eLR	LR		
SSE	comp=N,230nm,11.1s			eLR	LR		
SSE	comp=Z,350nm,13.3s			eLR	LR		
SSE	Sheshan	60.51	316	eP	P	10 34 02.2	-0.4
SSE	comp=Z,58nm,1.0s			eP	P	10 34 02.2	-0.4
KSRS	Korea Array	60.63	326	eP	P	10 34 02.8	-0.5
KSRS	comp=Z,5.8nm,0.9s,baz=138,slow=6.9,SNR=14			eP	P	10 34 48.5	+1.0
KSRS	comp=Z,6.2nm,1.0s,baz=143,slow=4.5,SNR=6.4			eLR	LR	11 01 15.1	
KSAR	Wonju Array Arr	60.65	326	eP	P	10 34 02.8	-0.6
KSAR	Wonju Array Be	60.65	326	eP	P	10 34 48.5	+0.9
KSAR	Wonju Array Be	60.65	326	eP	P	10 34 02.8	-0.6
KSAR	Wonju Array Si	60.66	326	eP	P	10 34 03.4	-0.2
YSS	Yuzh-Sakhalins	62.16	342	eP	Pmax	10 34 12.6	-0.8
NJ2	Nanjing	62.67	316	eP	Pmax	10 34 17.0	-0.2
QIZ	Qiongzong	63.11	299	eP	P	10 34 19.6	-0.8
QIZ	Qiongzong	63.11	299	eP	Pmax	10 42 50.1	-1.4
QIZ	comp=Z,330nm,4.0s			eLR	LR		

Table with columns for station name, coordinates, and various parameters. Includes stations like Lanzhou, Seymchan, Yakutsk, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like TXAR Lajitas Array, NRIK, KSH, etc.

Table with columns for station name, coordinates, and various parameters. Includes stations like MAZI Mazidag, DARE Darende-Malaty, PERTEK Pertek, etc.

ISK 09 10:33:16.9, 37.08N, 38.85E, h5km, ML 1.8/5, Suspected Mining explosion.
ISC/JB 09 10:33:17.7, 0.37, 0.05N, 0.05, 38E, 0.06, h0km, Error ellipse: s-maj=8.3km s-min=5.0km az=139.1

NEIC 09 10:47:03.0, 0.3, 10.47S, 166.12E, h10km, mb4.3/8, Error ellipse: s-maj=8.0km s-min=6.4km az=85.0
ISC/JB 09 10:47:04.5, 0.0, 10.57S, 0.06, 166.18E, 0.06, h35km, mb4.5/21, MS3.8/4, Error ellipse: s-maj=9.1km s-min=6.8km az=42.3

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

ICD 09 10:48:22.1-0.8, 10.705S; 165.98E, h0km, mb4.1/12, mb1 4.3/4, mb1mx4.1/4, mb1tmp3.4/4, ML4.4, MS3.8/6, Ms1 3.9/6, ms1mx3.5/26, Error ellipse: s-maj=30.6km s-min=16.8km az=144.0

GCMT 09 10:48:24.6-0.4, 10.675S; 0.02-166.02E:0.02, h24km, 2km, MW4.9/68, Moment Tensor Solution. s18,c24, s68,c93; Duration: 0 Moment tensor: Scale 10^16Nm; Mr-0.83c; 18; Mv-0.13c; 13; Mw0.96c; 15; Mw0.29c; 18; Mw-2.38c; 11; Mw-0.14c; 18; Best double couple: M2.46100x10^16 Np1=277.00000, s68,00000, -172.00000. NP2: s=186.00000, s62,00000, -12.00000. Principal axes: T 2.8920, P164.0000, Azm51.0000; N -0.8410, P162.0000, Azm288.0000; P -2.0400, P167.0000, Azm142.0000; nst1 refers to body waves, cutoff=40s. nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 09 10:48:29.6-0.3, 11.055S; 165.30E, h10km, mb4.6/9 Error ellipse: s-maj=10.5km s-min=6.3km az=159.0

ISCJB 09 10:48:30.6-0.4, 11.195S; 0.06-165.30E:0.06, h30km, mb4.4/21, MS3.8/5, Error ellipse: s-maj=8.4km s-min=7.4km az=140.8

ISC 09 10:48:31.4-0.6, 11.025S; 0.08-165.23E:0.06, h30km, a49, c2503/43, mb4.6/21, MS4.0/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H11S1 WAKE ISLAND Hy 29.37, STKA Stephens Creek, etc.

ISCJB 09 10:49:16.6-1.1, 12.7N; 0.1x93.2E:0.2, h58km, mb3.7/7, Error ellipse: s-maj=24.6km s-min=17.2km az=143.7

ICD 09 10:49:22.6-6.5, 12.90N; 93.34E, h96km, 5.7km, mb3.5/7, mb1 3.5/8, mb1mx3.2/6, mbtmp3.7/8, Error ellipse: s-maj=51.3km s-min=19.0km az=52.0

ISC 09 10:49:18.4-1.4, 12.7N; 0.2-93.2E:0.2, h58km, n8, c1913/8, mb3.7/7, Andaman Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CMAR Chiang Mai Arr, MKAR Makanchi Array, etc.

ISCJB 09 10:58:44.0-0.5, 40.94N; 0.03-29.72E:0.04, h12km, Error ellipse: s-maj=5.2km s-min=3.7km az=38.1

ISK 09 10:58:43.6, 40.93N; 29.72E, h10km, ML2.1/1.3 DDA 09 10:58:46.1, 40.91N; 29.98E, h7km, 1km, ML2.6/1.6

ISC 09 10:58:43.6-0.9, 40.96N; 0.04-29.75E:0.03, h12km, n17, c0567/21, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SILT Sile, KAND Kocaeli-Kandir, etc.

ICD 09 10:59:40.1-1.3, 11.565S; 164.70E, h0km, mb3.6/5, mb1 3.9/6, mb1mx3.7/36, mbtmp3.7/6, ML3.8/1, Error ellipse: s-maj=47.7km s-min=26.6km az=130.0

ISCJB 09 10:59:43.2-1.0, 11.75S; 0.1x164.7E:0.2, h33km, mb3.5/5, Error ellipse: s-maj=28.1km s-min=19.8km az=6.6

ISC 09 10:59:45.2-1.0, 11.65S; 0.1x164.7E:0.2, h35km, n6, c1530/6, mb3.5/5, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Array, YKA Yellowknife Arr, etc.

ICD 09 11:01:44.5-5.9, 10.155S; 166.26E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.5/36, mbtmp3.6/4, Error ellipse: s-maj=169.7km s-min=31.6km az=136.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

ISCJB 09 11:14:30.8-0.5, 34.86N; 0.08-136.09E:0.10, h350km, mb2.6/3, Error ellipse: s-maj=11.7km s-min=10.2km az=142.7

ICD 09 11:14:31.4-1.0, 34.80N; 136.14E, h347km, 18km, mb2.7/3, mb1 2.8/8, mb1mx2.6/56, mbtmp3.5/8, Error ellipse: s-maj=33.2km s-min=18.0km az=58.0

JMA 09 11:14:32.1-0.1, 34.95N; 136.07E, h344km, 1km, M2.9

ISC 09 11:14:31.3-0.9, 34.91N; 0.10-136.11E:0.09, h350km, n18, c0584/21, mb2.5/3, Western Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JWT Wachi, JWY Koyui, etc.

MEX 09 11:15:24.0-0.7, 16.47N; 98.36W, h3km, 10km, MD3.8, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PNIG Pinotepe, VHO Vista Hermosa, etc.

ISCJB 09 11:15:56.9-1.4, 10.95S; 0.1x165.8E:0.1, h10km, mb4.2/11, Error ellipse: s-maj=26.0km s-min=8.1km az=38.9

ICD 09 11:15:57.1-2.8, 10.84S; 165.80E, h0km, mb4.0/4, mb1 4.2/6, mb1mx3.8/43, mbtmp4.2/6, ML4.3/2, Error ellipse: s-maj=48.8km s-min=35.3km az=55.0

NEIC 09 11:15:56.5-1.2, 10.77S; 165.76E, h10km, mb4.2/8, Error ellipse: s-maj=22.6km s-min=8.5km az=44.0

ISC 09 11:15:58.6-1.7, 10.85S; 0.2-165.8E:0.1, h10km, n25, c1809/20, mb4.1/11, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, MARC Mare, etc.

ICD 09 11:24:18.3-0.7, 10.94S; 0.07-165.82E:0.07, h10km, mb4.2/12, MS4.3/2, Error ellipse: s-maj=12.3km s-min=6.7km az=138.4

ICD 09 11:24:18.3-1.0, 10.86S; 165.86E, h0km, mb3.9/7, mb1 4.2/9, mb1mx3.8/50, mbtmp4.0/9, ML4.3/2, MS4.3/2, Ms1 4.3/2, ms1mx3.2/29, Error ellipse: s-maj=24.6km s-min=21.5km az=137.0

NEIC 09 11:24:19.7-0.6, 10.82S; 165.87E, h10km, mb4.2/7, Error ellipse: s-maj=11.4km s-min=7.6km az=49.0

ISC 09 11:24:20.0-0.9, 10.86S; 0.08-165.8E:0.1, h10km, n30, c085/26, mb4.1/13, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, HNR Honiara, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MARE, Loyalty, DZM, etc.

IDC 09 11:27:39.7+1.7, 10.75Sx165.76E, h0km, mb3.6/3, mb1.4/0.4, mb1mx3.6/4.9, mbtmp3.8/4, ML3.6/1, Error ellipse: s-maj=55.5km s-min=30.6km az=128.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, WRA, etc.

IS/CJB 09 11:30:17.0+0.3, 10.94S;0.04;165.84E;0.05, h10km, mb4.6/4.3, MS3.8/1.0, Error ellipse: s-maj=7.2km s-min=4.9km az=151.3

IDC 09 11:30:17.2+0.8, 10.86Sx165.92E, h0km, mb4.4/1.7, mb1.4/0.19, mb1mx4.3/4.4, mbtmp4.4/1.9, ML4.6/2, MS3.9/1.2, MS1.3/0.12, ms1mx3.6/3.1, Error ellipse: s-maj=22.2km s-min=11.0km az=111.0

NEIC 09 11:30:18.7+0.2, 10.88Sx165.86E, h10km, mb4.8/3.1, Error ellipse: s-maj=4.5km s-min=3.1km az=73.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR, MARC, DZM, etc.

IS/CJB 09 11:36:44.1+0.4, 11.67S;0.05;166.36E;0.06, h10km, mb4.3/1.9, Error ellipse: s-maj=8.3km s-min=7.3km az=170.6

NEIC 09 11:36:45.8+0.4, 11.56Sx166.40E, h10km, mb4.4/1.2, Error ellipse: s-maj=10.5km s-min=8.1km az=126.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, WRA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA, KHZ, LTZ, etc.

IDC 09 11:32:20.0+0.1, 24.39N;123.30E, h95km, Mw3.9 Best double quake: Ms8.80000;1014 NP1;9;3.9, 0.00000; 857.00000; 1.144.00000; NP2;7;1.0, 0.00000; 860.00000; 1.39.00000

IS/CJB 09 11:32:29.9+0.4, 24.84N;123.31E, h10km, mb3.8/1.0, Error ellipse: s-maj=13.1km s-min=6.5km az=164.6

IDC 09 11:32:29.2+0.2, 24.39N;123.37E, h112km;27km, mb3.5/9, mb1.3/0.1, mb1mx3.3/5.0, mbtmp3.8/1.0, Error ellipse: s-maj=19.9km s-min=12.9km az=71.0

JMA 09 11:32:30.0+0.1, 24.86N;123.35E, h105km;7km, MS4.0, Error ellipse: s-maj=19.9km s-min=12.9km az=71.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA, KHZ, etc.

IS/CJB 09 11:36:44.1+0.4, 11.67S;0.05;166.36E;0.06, h10km, mb4.3/1.9, Error ellipse: s-maj=8.3km s-min=7.3km az=170.6

NEIC 09 11:36:45.8+0.4, 11.56Sx166.40E, h10km, mb4.4/1.2, Error ellipse: s-maj=10.5km s-min=8.1km az=126.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR, MARC, DZM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAJ, MKAR, ZALV, etc.

IDC 09 11:42:33.9+0.9, 11.88S;165.31E, h0km, mb4.2/1.2, mb1.4/0.1, mb1mx4.2/3.6, mbtmp4.1/1.3, ML4.0/1, Error ellipse: s-maj=34.0km s-min=18.3km az=140.0

NEIC 09 11:42:35.5+0.2, 11.85Sx165.28E, h10km, mb4.7/1.6, Error ellipse: s-maj=5.5km s-min=4.4km az=146.0

IS/CJB 09 11:42:37.4+0.3, 11.97S;0.06;165.21E;0.05, h33km, mb4.4/2.6, Error ellipse: s-maj=8.0km s-min=6.8km az=3.5

ISC 09 11:42:39.1+0.5, 11.91S;0.08;165.26E;0.07, h35km, n42, c055/43, mb4.4/2.6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR, DZM, WRA, etc.

IS/CJB 09 11:36:44.1+0.4, 11.67S;0.05;166.36E;0.06, h10km, mb4.3/1.9, Error ellipse: s-maj=8.3km s-min=7.3km az=170.6

NEIC 09 11:36:45.8+0.4, 11.56Sx166.40E, h10km, mb4.4/1.2, Error ellipse: s-maj=10.5km s-min=8.1km az=126.0

IDC 09 11:36:45.8+0.4, 11.56Sx166.40E, h10km, mb4.4/1.2, Error ellipse: s-maj=10.5km s-min=8.1km az=126.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR, MARC, DZM, etc.













Error ellipse: s-maj=5.1km s-min=3.8km az=145.0
ISC 09 13:57:49.0,0.6,55.69N,0103.161,41E,0.003,h87km,4km,
n238,c155/307,mb4.5/71,7C-2D,Near east coast of

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZLN Zelenaya, BZGR Bezymyanni-Gr, LGNR Loginova, etc.

Table with columns: SKR, mag, s, smax, smax. Includes stations like MA2 Magadan, KMSK Kamenskaya, SEY Seymchan, etc.

Table with columns: STA, Gaotai, 43.12 275, eP, P, 14 05 39.5 +1.2. Includes stations like GAT Spitsbergen Ar, GAT Spitsbergen Ar, etc.



9d 14h

Table with columns for call letters, frequency, power, and other details. Includes entries like TPR Prospect, BOT Bacolet, LPAZ La Paz, etc.

Table with columns for call letters, frequency, power, and other details. Includes entries like LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, etc.

Table with columns for call letters, frequency, power, and other details. Includes entries like LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, etc.

Table with columns for call letters, frequency, power, and other details. Includes entries like LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, etc.

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Table with columns for call letters, frequency, power, and other details. Includes entries like LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, etc.

Table with columns for call letters, frequency, power, and other details. Includes entries like LPAZ La Paz, LPAZ La Paz, LPAZ La Paz, etc.

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Main table with columns for call letters, frequency, power, and other details. Includes entries like DWPF Disney Wildern, 858A St. Cloud, 857A Zephyrhills, etc.

V46A	baz=155,SNR=108	35.98	345	P	P	14 22 52.3	-1.7
T54A	Tazewell	36.05	354	P	P	14 22 54.9	+0.2
W43A	Forest City	36.06	341	P	P	14 22 53.8	-0.9
T53A	Wise	36.08	353	P	P	14 22 55.1	+0.2
BLA	Blacksburg	36.10	356	eP	P	14 22 56.0	+0.9
BLA	Blacksburg	36.10	356	eP	P	14 22 56.0	+0.9
BLA	Blacksburg	36.10	356	eP	P	14 22 55.9	+0.8
WHXY	Lake Whitney	36.12	330	eP	P	14 22 55.2	+0.1
WHXY	Lake Whitney	36.12	330	eP	P	14 22 55.3	+0.1
U49A	Red Boiling Sp	36.13	349	P	P	14 22 54.7	-0.5
X41A	Kaden, Bauxite	36.14	339	P	P	14 22 54.5	-0.9
V45A	Humboldt	36.15	344	P	P	14 22 54.1	-1.3
JCT	Junction City	36.16	326	eP	P	14 22 55.8	+0.2
JCT	Junction City	36.16	326	eP	P	14 22 55.8	+0.2
JCT	Junction City	36.16	326	eP	P	14 22 55.7	+0.2
PMBT	Patos De Minas	36.17	124	eP	P	14 22 55.6	-0.3
SUCO	SUCCO	36.19	162	eP	P	14 22 57.7	+1.8
WVT	Waverly	36.22	346	eP	P	14 22 54.5	-1.5
WVT	Waverly	36.22	346	eP	P	14 22 54.5	-1.5
WVT	Waverly	36.22	346	eP	P	14 22 54.6	-1.5
X40A	Basin Creek Fa	36.25	338	P	P	14 22 55.5	-0.8
T51A	Gray	36.25	351	P	P	14 22 56.3	0.0
T52A	Hallie	36.26	353	P	P	14 22 56.6	+0.3
U48A	Cassie Pea, Po	36.29	348	P	P	14 22 55.9	-0.7
UALR	University of	36.33	339	eP	P	14 22 55.9	-1.1
FRTB	Fartura	36.38	134	eP	P	14 22 58.5	+0.9
U47A	Clarksville	36.39	347	eP	P	14 22 56.2	-1.2
T50A	Nancy	36.45	350	P	P	14 22 57.4	-0.6
JANB	Januaris	36.48	117	eP	P	14 22 57.8	-0.7
V44A	Glythville	36.50	343	P	P	14 22 57.1	-1.2
W42A	Bald Knob	36.50	340	P	P	14 22 57.4	-1.0
U46A	Springville	36.52	345	P	P	14 22 57.2	-1.4
MIAR	Mount Ida	36.58	337	eP	P	14 22 58.2	-0.9
MIAR	Mount Ida	36.58	337	eP	P	14 22 58.2	-0.9
MIAR	Mount Ida	36.58	337	eP	P	14 22 58.2	-0.9
RFA	San Rafael	36.60	168	eP	P	14 23 01.8	+2.4
V43A	Jonesboro	36.65	342	P	P	14 22 58.9	-0.7
W41B	Gary Mavity, V	36.65	339	eP	P	14 22 58.7	-1.0
W41B	Gary Mavity, V	36.65	339	eP	P	14 22 58.7	-1.0
T49A	Edmonton	36.66	349	eP	P	14 22 59.0	-0.7
T49A	Edmonton	36.66	349	eP	P	14 22 59.1	-0.7
S55A	Lewisburg	36.67	356	P	P	14 23 00.8	+0.9
U45A	Rockin P Farm,	36.67	345	P	P	14 22 58.5	-1.3
S53A	Williamson	36.72	354	P	P	14 23 00.3	+0.1
R58B	Mineral	36.75	359	eP	P	14 23 01.2	+0.7
R58B	Mineral	36.75	359	eP	P	14 23 01.0	+0.5
U44B	Burton Farm, H	36.82	344	P	P	14 22 60.0	-1.1
S52A	Salyersville	36.83	353	P	P	14 23 00.9	-0.2
T48A	Bowling Green	36.83	348	P	P	14 23 00.5	-0.6
S51A	Beattysville	36.86	352	eP	P	14 23 01.2	-0.2
S51A	Beattysville	36.86	352	eP	P	14 25 21.2	+1.0
T47A	Sharon Grove	36.87	347	P	P	14 23 01.4	0.0
V42A	Cord	36.94	341	P	P	14 23 00.7	-1.4
CBN	Corbin Frederi	36.99	0	eP	P	14 23 03.5	+1.0
CBN	Corbin Frederi	36.99	0	eP	P	14 23 03.4	+1.0
S50A	Richmond	37.02	351	P	P	14 23 02.5	-0.3
U44A	Portageville	37.07	344	P	P	14 23 02.2	-1.0
T46A	Princeton	37.10	346	P	P	14 23 02.2	-1.3
R54A	Victor	37.11	355	P	P	14 23 04.1	+0.5
R55A	Marlinton	37.15	357	P	P	14 23 04.9	+1.0
U43A	Rector	37.15	343	P	P	14 23 02.7	-1.2
V41A	Mountainview	37.17	340	P	P	14 23 02.8	-1.3
ITAB	Concordia	37.20	141	eP	P	14 23 04.2	-0.2
W39A	Magazine	37.23	338	eP	P	14 23 04.7	+0.1
W39A	Magazine	37.23	338	eP	P	14 23 04.3	-0.3
H06E1	SOCORRO T-PHAS	37.25	300	P	P	14 23 06.5	+1.5
H06S1	SOCORRO T	37.26	300	P	P	14 23 06.4	+1.3
T45A	Paducah	37.27	345	P	P	14 23 03.6	-1.3
S49A	Springfield	37.27	350	P	P	14 23 04.0	-0.9
S48A	Wiedeman Farm,	37.30	349	P	P	14 23 03.9	-1.2
H06N1	SOCORRO T-PHAS	37.34	300	P	P	14 23 07.7	+2.0
R53A	Hurricane	37.34	354	P	P	14 23 05.6	+0.1
RCLB	Rio Claro- Sao	37.35	130	eP	P	14 23 05.8	-0.1
HPIG	HPIG	37.37	316	eP	P	14 23 07.5	+1.3
U42A	Revendon	37.39	342	P	P	14 23 04.5	-1.4
S47A	Hartford	37.40	348	P	P	14 23 05.0	-1.0
R52A	Cattlettsburg	37.43	353	P	P	14 23 06.0	-0.2
MC18	Montes Claros	37.47	119	eP	P	14 23 06.6	-0.3
MC19	Montes Claros	37.51	120	eP	P	14 23 06.6	-0.6
R51A	Hillsboro	37.51	352	P	P	14 23 07.0	+0.1
MC16	Montes Claros	37.55	120	eP	P	14 23 06.9	-0.8
MC10A	Paris	37.60	351	eP	P	14 23 07.4	-0.2
MC17	Montes Claros	37.60	120	eP	P	14 23 07.5	-0.6
U41A	Viola	37.60	341	P	P	14 23 05.9	-1.8
TX31	Lajitas Ar. Si	37.62	321	eP	P	14 23 08.9	+0.8
TX31	Lajitas Ar. Si	37.62	321	eP	P	14 25 24.3	+1.5
TXAR	Lajitas Arroyo	37.62	321	eP	P	14 23 09.1	+1.0
TXAR	comp=Z,185nm,1.0s,baz=146,slow=4.3,SNR=6.9					14 25 24.1	+1.3
TXAR	comp=Z,14nm,0.9s,baz=116,slow=6.2,SNR=2.6					14 38 44.7	
TXAR	comp=Z,9um,18.0s,baz=0.0,slow=36					14 53 28.2	
TXAR	comp=Z,2.6nm,1.0s,baz=298,slow=2.2,SNR=9.9					14 54 30.4	
TXAR	comp=Z,1.9nm,1.0s,baz=45,slow=2.9,SNR=5.3					14 55 27.2	-2.6
TXAR	comp=Z,2.4nm,1.1s,baz=328,slow=4.7,SNR=4.0					14 57 26.3	
S46A	Don Dixon Farm	37.67	347	P	P	14 23 06.7	-1.5
ABTX	Abilene, Hawle	37.73	329	eP	P	14 23 09.0	+0.1
ABTX	Abilene, Hawle	37.73	329	eP	P	14 25 24.2	+1.2

ABTX	Abilene, Hawle	37.73	329	P	P	14 23 09.0	+0.1
R49A	Shelbyville	37.75	350	P	P	14 23 08.1	-0.8
T43A	Greenville	37.78	343	P	P	14 23 07.6	-1.5
Q55A	Buckhannon	37.86	357	P	P	14 23 11.1	+1.3
S45A	Carrier Mills	37.88	346	P	P	14 23 08.6	-1.4
Q54A	Coxs Mills	37.89	356	P	P	14 23 10.3	+0.2
WCI	Wyandotte Cave	37.89	349	eP	P	14 23 08.8	-1.3
WCI	Wyandotte Cave	37.89	349	eP	P	14 23 08.9	-1.3
WCI	Wyandotte Cave	37.89	349	eP	P	14 23 08.9	-1.3
U40A	Yellville	37.93	340	P	P	14 23 09.5	-1.0
T42A	Van Buren	37.97	342	eP	P	14 23 09.1	-1.6
T42A	Van Buren	37.97	342	eP	P	14 23 09.2	-1.5
R48A	Northridge Ran	37.98	349	P	P	14 23 10.2	-0.6
Q52A	Bidwell	38.00	354	P	P	14 23 11.0	0.0
R47A	Wooly Knot Far	38.01	348	P	P	14 23 09.6	-1.4
S44A	Carbondale	38.06	345	P	P	14 23 10.1	-1.4
SIUC	Southern Illin	38.07	345	eP	P	14 23 10.2	-1.4
Q50A	Georgetown	38.10	352	eP	P	14 23 11.2	-0.6
R46A	Gibson Southern	38.13	347	P	P	14 23 10.7	-1.4
S43A	Fulton Ridge	38.17	344	P	P	14 23 10.9	-1.5
T41A	Mountain View	38.19	341	P	P	14 23 11.1	-1.5
Q51A	Peebles	38.19	353	eP	P	14 23 12.9	+0.3
Q51A	Peebles	38.19	353	eP	P	14 23 12.4	-0.2
SDMD	Solar's Dell	38.20	1	eP	P	14 23 13.4	+0.7
P55A	Reedsville	38.35	357	P	P	14 23 15.1	+1.1
R45A	Skyler, Fairri	38.39	346	P	P	14 23 12.9	-1.3
Q49A	Adrian	38.40	351	P	P	14 23 13.5	-0.9
P53A	Whipple	38.44	355	eP	P	14 23 14.8	+0.2
P53A	Whipple	38.44	355	eP	P	14 23 15.2	+0.6
Q48A	North Vernon	38.47	350	P	P	14 23 13.8	-1.1
P54A	Burton	38.48	356	P	P	14 23 15.8	+0.7
MCWV	Monte Chateau	38.50	357	P	P	14 23 15.9	+0.7
R44A	Waltonville	38.54	345	P	P	14 23 14.1	-1.4
S42A	Caledonia	38.56	343	P	P	14 23 13.8	-2.0
Q47A	Bedord North L	38.60	349	P	P	14 23 14.9	-1.2
P51A	Williamsport	38.61	353	eP	P	14 23 15.3	-0.7
P51A	Williamsport	38.61	353	eP	P	14 23 15.6	-0.4
TUL1	Leonard	38.65	336	P	P	14 23 15.6	-0.9
TUL1	Leonard	38.65	336	P	P	14 23 15.5	-0.9
P52A	Coring	38.65	354	P	P	14 23 16.1	-0.3
FVM	French Village	38.66	344	eP	P	14 23 15.0	-1.5
FVM	French Village	38.66	344	eP	P	14 23 15.0	-1.5
S41A	Jillico Farms,	38.68	342	P	P	14 23 15.0	-1.8
SLBS	Sierra La Lagu	38.71	308	eP	P	14 23 19.1	+1.8
CPSB	Acapaca Do Su	38.74	146	eP	P	14 23 16.5	-0.9
BSCB	Bom Successo	38.75	126	eP	P	14 23 16.9	-0.7
R43A	Red Bud	38.79	344	P	P	14 23 16.3	-1.3
P50A	Jamestown	38.83	352	P	P	14 23 17.0	-0.9
BLO	Bloomington	38.85	349	eP	P	14 23 16.8	-1.3
BLO	Bloomington	38.85	349	eP	P	14 23 16.8	-1.3
Q46A	O.E.S Indians,	38.88	348	P	P	14 23 17.1	-1.2
P49A	Miami Univ. Ec	38.89	351	P	P	14 23 17.1	-1.3
P48A	Milroy	38.93	350	P	P	14 23 17.1	-1.7
Q45A	Warren Harvey,	38.93	347	P	P	14 23 17.4	-1.4
CCM	Cathedral Cave	38.96	343	eP	P	14 23 17.2	-1.8
CCM	Cathedral Cave	38.96	343	eP	P	14 23 17.2	-1.8
CCM	Cathedral Cave	38.96	343	eP	P	14 23 17.4	-1.6
WMOK	Wichita Mounta	38.99	332	eP	P	14 23 18.8	-0.6
WMOK	Wichita Mounta	38.99	332	eP	P	14 23 18.8	-0.6
WMOK	Wichita Mounta	38.99	332	eP	P	14 23 18.6	-0.8
PAGS	Pennsylvania G	39.02	1	eP	P	14 23 20.3	+0.9
O55A	Ligonier	39.03	358	P	P	14 23 20.7	+1.1
R42A	Luebbering	39.04	343	P	P	14 23 18.2	-1.5
O56A	Blue Knob Stat	39.06	359	eP	P	14 23 20.9	+1.0
O56A	Blue Knob Stat	39.06	359	eP	P	14 23 21.1	+1.2
O52A	Adamsville	39.10	355	eP	P	14 23 19.9	-0.2
O52A	Adamsville	39.10	355	eP	P	14 23 20.2	0.0
P47A	Martinsville	39.11	349	P	P	14 23 19.2	-1.1
Q44A	Meyer Farm, Va	39.15	346	eP	P	14 23 18.9	-1.7
Q44A	Meyer Farm, Va	39.15	346	eP	P	14 23 18.7	-1.8
O53A	New Philadelphia	39.18	355	P	P	14 23 21.0	+0.1
LP1G	La Paz	39.20	308	P	P		

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RCBR	Riachuelo	42.05 100 eP	P	14 23 45.0 +0.1
J52A	Paris	42.11 357 P	P	14 23 44.2 -0.6
K46A	Dorr	42.13 351 P	P	14 23 43.1 -1.9
M40A	Post Highland	42.15 344 P	P	14 23 42.9 -2.3
L43A	Garden Prairie	42.20 348 P	P	14 23 43.3 -2.3
L42A	Oliver, Froie	42.24 346 P	P	14 23 43.6 -2.3
HSIG		42.35 314 eP	P	14 23 48.0 +1.0
SR9A	Santa Rosalia	42.37 311 eP	P	14 23 49.0 +1.8
121A	Cookes Peak, D	42.38 321 P	P	14 23 49.7 +2.2
M39A	Webster	42.40 344 P	P	14 23 44.9 -2.3
TORO	Toronto-Lesli	42.43 358 P	P	14 23 47.4 +0.1
J49A	Marlette	42.45 354 P	P	14 23 46.0 -1.5
ACTO	Action	42.45 357 P	P	14 23 47.3 -0.3
J48A	Bridge Port	42.46 353 P	P	14 23 46.5 -1.1
L41A	Preston	42.51 346 P	P	14 23 45.7 -2.4
J47A	Summer	42.53 352 P	P	14 23 47.0 -1.3
319A	Douglas	42.61 318 eP	P	14 23 51.0 +1.7
K43A	Burlington	42.62 348 P	P	14 23 46.7 -2.3
DRWO	Darlington Wes	42.67 359 P	P	14 23 49.0 -0.3
DRCO	St. Marys Ceme	42.67 359 P	P	14 23 49.2 -0.2
L40A	Anamosa	42.68 345 eP	P	14 23 47.4 -2.1
L40A	Anamosa	42.68 345 P	P	14 23 47.4 -2.1
I51A	Listowel	42.70 356 P	P	14 23 48.9 -0.7
WLVO	Wesleyville	42.71 359 P	P	14 23 49.6 0.0
J46A	Howard City	42.76 351 P	P	14 23 48.5 -1.6
PKRO	Pickering	42.77 358 P	P	14 23 49.8 -0.3
BNM	Barren Site	42.77 323 eP	P	14 23 51.9 +1.3
CBKS	Cedar Bluff	42.78 334 eP	P	14 23 50.2 -0.2
CBKS	Cedar Bluff	42.78 334 eP	P	14 23 50.2 -0.2
CBKS	Cedar Bluff	42.78 334 P	P	14 23 50.0 -0.3
NCB	Newcomb	42.85 3 eP	P	14 23 51.5 +0.7
LPM	Los Pinos Moun	42.89 324 eP	P	14 23 52.9 +1.4
K42A	Prairie Point,	42.91 347 P	P	14 23 49.3 -1.9
I52A	Shelburne	42.92 357 P	P	14 23 50.7 -0.7
L39A	Vinton	42.95 344 P	P	14 23 49.2 -2.4
BASO	Ashfield	42.96 356 P	P	14 23 50.8 -0.8
J45A	Montague	42.96 350 P	P	14 23 49.8 -1.9
K41A	Shullsburg	42.96 346 P	P	14 23 49.5 -2.3
I49A	Point Hope	42.99 354 P	P	14 23 50.6 -1.3
I55A	Frankon	43.00 360 P	P	14 23 52.1 +0.2
BWLO	Walkerton	43.02 356 P	P	14 23 51.6 -0.6
SCIA	State Center	43.09 343 eP	P	14 23 51.0 -1.8
SCIA	State Center	43.09 343 P	P	14 23 50.9 -1.9
BRIO	Bruce Peninsula	43.17 356 P	P	14 23 52.7 -0.6
ANMO	Albuquerque	43.23 324 eP	P	14 23 55.8 +1.6
ANMO	Albuquerque	43.23 324 eP	P	14 23 55.3 +1.1
ANMO	Albuquerque	43.23 324 P	P	14 23 55.3 +1.1
ANMO	Albuquerque	43.23 324 P	P	14 23 55.4 +1.2
JFWS	Jewell Farm	43.29 346 eP	P	14 23 52.1 -1.8
JFWS	Jewell Farm	43.24 346 eP	P	14 23 52.1 -1.8
JFWS	Jewell Farm	43.24 346 P	P	14 23 51.9 -2.0
LAZ	Ladron	43.25 323 eP	P	14 23 55.9 +1.5
I47A	Gladwin	43.26 353 P	P	14 23 52.7 -1.4
K40A	Colesburg	43.26 345 P	P	14 23 51.8 -2.3
J43A	Natural Harves	43.28 348 P	P	14 23 52.4 -1.9
DELO	Deloro Mine	43.30 360 P	P	14 23 54.2 -0.2
LBNH	Lisbon	43.30 6 P	P	14 23 55.0 +0.6
I46A	Reed City	43.31 352 P	P	14 23 52.5 -1.9
I48A	Sherman Twp	43.32 353 P	P	14 23 53.7 -0.9
H55A	Tweed	43.33 0 P	P	14 23 54.8 +0.2
J42A	Columbus	43.37 348 P	P	14 23 53.0 -2.0
H56A	Elgin	43.39 1 P	P	14 23 55.6 +0.5
K39A	Olwein	43.46 345 P	P	14 23 53.4 -2.3
LONY	Lake Ozonia	43.48 3 eP	P	14 23 56.4 +0.5
LONY	Lake Ozonia	43.48 3 P	P	14 23 56.4 +0.5
BMRO	Meriville Lake	43.50 356 P	P	14 23 55.1 -0.9
I45A	Fountain	43.52 351 P	P	14 23 54.5 -1.7
SADO	Sadowa	43.58 358 P	P	14 23 56.0 -0.6
J41A	Loganville	43.61 347 P	P	14 23 54.9 -2.0
T25A	Trinidad	43.70 328 eP	P	14 23 59.3 +1.3
T25A	Trinidad	43.70 328 P	P	14 23 59.8 +1.8
I43A	Langenfeld Bro	43.71 349 P	P	14 23 56.0 -1.7
FRNY	Flat Rock	43.75 4 eP	P	14 23 58.9 +0.9
H47A	Mio	43.79 353 P	P	14 23 57.1 -1.3
H48A	Harrisville	43.79 354 P	P	14 23 57.2 -1.1
BANO	Bancroft	43.80 360 P	P	14 23 58.0 -2.4
J40A	Soldiers Grove	43.81 346 P	P	14 23 56.6 -1.9
PLVO	Plevna	43.82 0 eP	P	14 23 58.8 +0.3
PLVO	Plevna	43.82 0 P	P	14 23 58.5 -0.1
H46A	File Lake	43.86 352 P	P	14 23 57.1 -1.8
I42A	Draeger Farm,	43.87 348 P	P	14 23 57.4 -1.6
G53A	Haliburton	43.91 359 P	P	14 23 58.9 -0.4
J39A	Decorah	44.00 345 P	P	14 23 57.6 -2.4
G55A	Calabogie	44.04 1 P	P	14 24 00.3 0.0
GLMI	Graying	44.06 353 eP	P	14 23 59.3 -1.2
GLMI	Graying	44.06 353 P	P	14 23 59.1 -1.4
H45A	Beulah	44.07 351 P	P	14 23 58.9 -1.6
TOBO	Tobermory, Bru	44.15 356 P	P	14 23 58.8 -1.4
TUC	Tucson	44.19 318 eP	P	14 24 03.1 +1.2
TUC	Tucson	44.19 318 eP	P	14 24 03.1 +1.2
TUC	Tucson	44.19 318 P	P	14 24 03.2 +1.4
H43A	Windswept, Lux	44.21 349 eP	P	14 24 00.1 -1.6
H43A	Windswept, Lux	44.21 349 P	P	14 23 59.9 -1.8

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I41A	Arkdale	44.24 347 P	P	14 24 00.3 -1.6
I40A	Norwalk	44.25 346 P	P	14 23 59.9 -2.2
KSCO	Kaye Shedlock*	44.25 332 eP	P	14 24 02.9 +0.6
KSCO	Kaye Shedlock*	44.25 332 P	P	14 24 02.9 +0.6
BUKO	Buck Lake	44.26 358 P	P	14 24 01.5 -0.5
ORHO	Orleans, Herit	44.27 2 P	P	14 24 02.0 -0.1
G47A	Hillman	44.31 354 P	P	14 24 01.5 -1.0
BGNE	Belgrade	44.32 338 P	P	14 24 01.5 -1.2
MOQ	Mont Orford	44.33 5 eP	P	14 24 03.4 +0.7
EMMW	East Machias	44.38 10 eP	P	14 24 03.7 +0.7
H42A	Shiocton	44.39 349 P	P	14 24 01.5 -1.6
G45A	Suttons Bay	44.42 352 P	P	14 24 01.8 -1.5
I39A	Houston	44.44 345 eP	P	14 24 01.4 -2.1
I39A	Houston	44.44 345 P	P	14 24 01.4 -2.1
PEMO	Pembroke	44.46 0 P	P	14 24 03.7 +0.1
ALFO	Alfred	44.47 3 P	P	14 24 03.9 +0.3
G46A	Petoskey	44.58 353 P	P	14 24 03.2 -1.3
F52A	Sundridge	44.60 358 P	P	14 24 03.7 -1.1
F55A	Ottawa Lake	44.62 1 P	P	14 24 05.0 0.0
PKME	Peaks-Kenny Pk	44.63 8 eP	P	14 24 05.7 +0.8
PKME	Peaks-Kenny Pk	44.63 8 P	P	14 24 05.6 +0.6
H41A	Junction City	44.72 348 eP	P	14 24 03.9 -1.9
H41A	Junction City	44.72 348 P	P	14 24 04.1 -1.7
F49A	Santiel	44.73 355 P	P	14 24 03.6 -2.2
SDCO	Great Sand Dun	44.73 328 eP	P	14 24 07.7 +1.4
SDCO	Great Sand Dun	44.73 328 P	P	14 24 07.5 +1.3
ALGO	Algonquin Park	44.74 359 P	P	14 24 05.3 -0.5
F51A	Arnstein	44.76 358 P	P	14 24 05.2 -0.8
F48A	Evansville	44.84 355 P	P	14 24 05.0 -1.6
GGN	Saint George	44.89 11 eP	P	14 24 07.8 +0.7
H40A	Chili	44.89 347 P	P	14 24 05.3 -1.8
G43A	Wallace	44.95 350 eP	P	14 24 06.0 -1.5
G43A	Wallace	44.95 350 P	P	14 24 06.2 -1.3
F46A	Macinaw City C	45.02 353 P	P	14 24 06.8 -1.2
F45A	Macinaw City C	45.03 352 P	P	14 24 06.9 -1.2
X18A	Snowflake	45.06 321 eP	P	14 24 10.2 +1.4
G42A	Mountain	45.08 349 eP	P	14 24 07.2 -1.3
G42A	Mountain	45.08 349 P	P	14 24 07.2 -1.3
TRQ	Mont Tremblant	45.08 3 eP	P	14 24 08.6 0.0
E52A	Mattawa	45.08 359 P	P	14 24 07.8 -0.7
H39A	Augusta	45.15 346 P	P	14 24 07.4 -1.8
E53A	Dumoine, Ponti	45.16 360 P	P	14 24 08.8 -0.4
G41A	Antigo	45.19 348 P	P	14 24 07.9 -1.6
E54A	Lac Duplat, Po	45.22 0 P	P	14 24 09.4 -0.2
E50A	Wahnapitae	45.30 357 P	P	14 24 09.0 -1.3
W18A	Petrified Forest	45.31 322 eP	P	14 24 12.4 +1.6
W18A	Petrified Fore	45.31 322 P	P	14 24 12.5 +1.8
E51A	G1948 Merrick	45.35 358 P	P	14 24 10.3 -0.4
214A	Organ Pipe Nat	45.36 316 P	P	14 24 12.6 +1.5
H38A	Maiden Rock	45.40 345 P	P	14 24 09.0 -2.1
F43A	Flat Rock, Esc	45.42 350 P	P	14 24 09.5 -1.8
S22A	4UR Ranch, Cre	45.44 327 P	P	14 24 13.5 +1.6
F44A	Big Bay de Noc	45.44 351 P	P	14 24 09.9 -1.4
E48A	Lockekey	45.45 355 P	P	14 24 10.3 -1.1
Q24A	Divide	45.46 329 eP	P	14 24 12.6 +0.6
Q24A	Divide	45.46 329 P	P	14 24 12.6 +0.6
G40A	Rib Lake	45.46 347 P	P	14 24 09.9 -1.7
F42A	Maple Grove Fa	45.52 350 P	P	14 24 10.6 -1.4
E47A	Iron Bridge	45.52 354 P	P	14 24 10.8 -1.2
OGNE	Ogallala	45.53 334 eP	P	14 24 12.7 +0.3
OGNE	Ogallala	45.53 334 P	P	14 24 12.4 +0.1
E46A	Sault Ste Mari	45.54 353 P	P	14 24 10.7 -1.5
E45A	Wooded Hills	45.64 343 P	P	14 24 11.6 -1.3
F41A	Three Lakes	45.68 349 eP	P	14 24 11.8 -1.6
F41A	Three Lakes	45.68 349 P	P	14 24 12.0 -1.4
G39A	Holcombe	45.70 346 P	P	14 24 11.8 -1.7
G38A	Ridgeland	45.75 346 P	P	14 24 11.9 -2.0
D52A	ZEK Kipawa Sen	45.76 359 P	P	14 24 13.8 -0.2
ECSD	EROS Data Cent	45.81 341 eP	P	14 24 12.0 -2.4
ECSD	EROS Data Cent	45.81 341 P	P	14 24 12.2 -2.2
D53A	Lac Vachic, Po	45.86 360 P	P	14 24 14.5 -0.2
D51A	Lot 18 Range I	45.90 358 P	P	14 24 14.0 -0.9
E43A	Lone Tree Farm	45.92 351 eP	P	14 24 13.6 -1.5
E43A	Lone Tree Farm	45.92 351 P	P	14 24 13.5 -1.7
X16A	Lo Mia Camp, P	45.93 320 eP	P	14 24 17.2 +1.5
D54A	Lac Fusel, La	45.94 1 P	P	14 24 14.9 -0.4
MVCO	Mesa Verde	45.99 325 eP	P	14 24 16.5 +0.3
MVCO	Mesa Verde	45.99 325 P	P	14 24 16.7 +0.5
D46A	Sault St. Mari	46.03 354 P	P	14 24 14.2 -1.8
COWI	Conover	46.04 349 eP	P	14 24 15.1 -1.0
SPMM	Marine on St.	46.04 345 P	P	14 24 13.8 -2.3
F40A	Park Falls	46.06 348 P	P	14 24 14.6 -1.7
D47A	Chapleau	46.10 355 P	P	14 24 14.7 -1.8
D48A	Paudash Townsh	46.11 356 P	P	14 24 15.1 -1.5
E42A	Champion	46.13 350 P	P	14 24 15.3 -1.5
D49A	Beulah Townshi	46.18 356 P	P	14 24 15.1 -2.1
PQI	Presque Isle	46.20 9 eP	P	14 24 18.4 +1.1
F39A	Loretta	46.24 347 P	P	14 24 16.0 -1.7
ISCO	Idaho Springs	46.32 330 eP	P	14 24 19.9 +1.1
ISCO	Idaho Springs	46.32 330 eP	P	14 24 19.9 +1.1
ISCO	Idaho Springs	46.32 330 P	P	14 24 20.2 +1.4
LATQ				

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like PDAR, Pinedale Array, and various local news and community stations.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MSO, Missoula, MCCC, Marconi Center, and various regional and national stations.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like RKT, baz=126, and various international and specialty stations.







9d 14h

Table with columns for station name, frequency, power, and other technical details. Includes stations like Ljubljana, Saint Paul Isl, GO Pecny, Ondr, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like MODS, MORC, SG1, MATE, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like Podgorica, TIG, NIE, Nedzica, etc.

Table with columns: Name, Date, Time, Position, Azimuth, Altitude, Magnitude, etc. Includes entries like DSF Desfina, IDID Didziasali, LVZ Lovozero, etc.

Table with columns: Name, Date, Time, Position, Azimuth, Altitude, Magnitude, etc. Includes entries like KIS Kishinev, URLA Izmir, RKY Sarkov-Tekirda, etc.

Table with columns: Name, Date, Time, Position, Azimuth, Altitude, Magnitude, etc. Includes entries like TIXI comp-Z,3.7nm,0.7s, VSR Storozhevo, etc.

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9d 14h

Table with multiple columns containing station call signs (e.g., YUK, GRNR, ZEA), frequencies (e.g., 120.81, 120.88), and various technical parameters and identifiers (e.g., ePKIKP, PKPpdf, 14 34 38.4 -3.9).







Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like KLU Klutina, HARP HAARP, DAWY Dawson, etc.

IDC 09 15:38:32.2-1.5, 10.91Sx165.12E, h0km, mb3.6/4, mb1 3.9/6, mb1mx3.5/40, mbtmp3.8/6, ML3.8/2, Error ellipse: s-maj=34.6km s-min=29.1km az=141.1, ISCJB 09 15:38:31.1, 11.0S, 165.1E, 0.1, h31km, mb3.6/4, Error ellipse: s-maj=21.4km s-min=11.4km az=33.5, ISC 09 15:38:36.8-1.3, 11.0S, 0.1, 165.2E, 0.1, h31km, n12, e0917/1, mb3.6/4, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, H1S12 WAKE ISLAND Hy, etc.

IDC 09 15:45:08.4-0.8, 34.77N, 140.83E, h0km, mb3.8/15, mb1 3.9/18, mb1mx3.8/51, mbtmp3.8/18, ML3.9/3, Error ellipse: s-maj=20.2km s-min=16.3km az=82.0, ISCJB 09 15:45:15.3-0.5, 34.85N, 140.09E, 0.0, h65km, 3km, mb3.7/17, Error ellipse: s-maj=7.7km s-min=6.1km az=176.8, JMA 09 15:45:15.1-0.1, 34.89N, 140.72E, h68km, 2km, M4.1, JMA Felt I J1, ISC 09 15:45:15.6-0.8, 34.86N, 140.81E, 0.0, h57km, 7km, n44, e197/49, mb3.9/17, 1C-6D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like BSO1 Boso 1, KTR Katsura, JKUC kamogawauchiur, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MKRB Makanchi Array, KURBB Kurchatov Arra, AAK Ala-Archa, etc.

SOME 09 15:56:39.6, 47.85N, 81.07E, h0km, NNC 09 15:56:40.9-0.6, 47.78N, 81.30E, h10km, 6km, mb3.7, mbV3.5, Error ellipse: s-maj=4.5km s-min=2.7km az=51.0, ISC 09 15:56:40.0-0.8, 47.80N, 81.34E, 0.0, h10km, n39, e245/55, 12C-11D, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MAKZ Makanchi, SEM Semipalatinsk, SEM Semipalatinsk, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like OTUK 0.7nm, 0.3s, OTUK 1.5nm, 0.3s, TKM2 Tokmak 2, etc.

IDC 09 16:08:56.3-1.7, 10.89Sx165.45E, h0km, mb3.5/3, mb1 3.9/4, mb1mx3.5/32, mbtmp3.6/4, ML3.4/1, Error ellipse: s-maj=53.4km s-min=31.6km az=126.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 09 16:12:29.9-1.4, 11.08Sx166.81E, h0km, mb3.8/5, mb1 3.9/7, mb1mx3.7/35, mbtmp3.8/7, ML3.5/2, Error ellipse: s-maj=42.6km s-min=25.5km az=136.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

IDC 09 16:15:35.4-1.4, 2.75Sx140.76E, h0km, mb3.8/7, mb1 4.2/9, mb1mx3.9/35, mbtmp4.0/9, ML4.2/2, Error ellipse: s-maj=43.0km s-min=20.1km az=102.0, DJA 09 16:15:35.9-0.6, 2.54S, 141.7E, h10km, M4.8/7, mb4.8/7, ML4.8/7, ISCJB 09 16:15:37.1-0.5, 2.79S, 0.0, 140.64E, 0.0, h24km, mb3.9/9, Error ellipse: s-maj=8.8km s-min=5.7km az=9.7, NEIC 09 16:15:40.6-0.5, 2.83S, 140.62E, h35km, mb4.0/5, ML4.1(DJA), Error ellipse: s-maj=15.2km s-min=5.9km az=95.0, NEIC Felt II at Sentani, ISC 09 16:15:38.9-0.8, 2.74S, 0.0, 140.68E, 0.10, h24km, n40, e092/35, mb4.1/13, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JAY Jayapura, GENI Genyem, SRPI Serui, Papua, etc.

9d 17h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like DMPM Davao City-Mi, DMPH, GSPH General Santos, BUKP Musuan.

IDC 09 16:19:00.9.1.5, 11.13S:164.98E, h0km, mb3.9/7, mb1 4.1/9, mb1mx3.9/40, mbtmp4.0/9, ML4.1/2, Error ellipse: s-maj=38.4km s-min=24.0km az=122.0

ISCJB 09 16:19:03.9.1.0, 11.2S:0.1x164.9E:0.1, h31km, mb3.9/6, Error ellipse: s-maj=20.6km s-min=15.7km az=167.0

ISC 09 16:19:06.3.1.0, 11.2S:0.1x164.8E:0.1, h31km, n9, s145/10, mb3.9/6, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, CTA Charters Tower, WRA Warrungama Arr, ASAR Alice Springs, USRK USSurisyk Arr, SONM Songoing Array, ILAR Eielson Array, MKAR Makanchi Array.

ISCJB 09 16:25:33.1.0.3, 1.78S:0.03x78.05W:0.05, h170km, 2km, Error ellipse: s-maj=8.7km s-min=5.0km az=15.5

IGQ 09 16:25:34.5.0.1, 1.78W:1.15N:0.1, h52km, MLV3.8

IDC 09 16:25:35.4.2.3, 1.71S:7.84W, h170km, 2km, mb3.5/12, mb1 3.7/17, mb1mx3.6/34, mbtmp4.0/17, Error ellipse: s-maj=22.8km s-min=14.5km az=35.0

ISC 09 16:25:34.1.0.6, 1.71S:0.04x78.04W:0.05, h165km, 5km, n99, s145/113, Ecuador

Large table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Lists numerous stations including PUYO Puyo, Santa Ro, BPAT Tungurahua Vol, PATI Patococha, BULB Uta Tungurahua, BULB Uta Tungurahua, ARRY Array, BRUN Tungurahua Vol, BRUN, RETU Refugio, RUNS Runun, BMAS Trigal station, BMAS, POND Ponda, JU6 Juive, BBIL Uba Tungurahua, BIL2 Estacion Bilba, IGLIA Iguatalla, PIS1 Pisayambo, PISA Pisayambo, ARDO Archidona, Ten, SAGO Sagoatota, BMOR Cotopaxi Volca, BTAM Cotopaxi Volca, BREF Cotopaxi Volca, BV2C Cotopaxi Volca, BNAS Cotopaxi Volca, NAS2 Nasa, PAST Pastocalle, ANTM Antisana-La Mi, PITA Cotopaxi Volc, ANTS Antisana-Sarah, ANTG Antisana-Guama, ANTI Antisana, COHC Cochancay, NINA Atacazo Ninahu, AMIL Milagro (Trans), MLO Milagro, GGPC Guagua Pichin, YANA Yana, CONE Cono Nev Vo, CAYA Cayambe, OTAN Otavalo, OTAV Otavalo, CUIC Cuicocha-Domo, YAHU Yahuarcocha, URCU Urcuqui, MAG1 Magdalena, TULM Tulcan-Chilpat, MORR Playas El Morr, JAMA Jama, CMBC Cumbal, CHIS Cerro-Chispas-Gonzan, SAL Salinas, GULF Volcan Galeras, GCUF Volcan Galeras, MCRA Macar, Loja, CRUC La Cruz, CRUC La Cruz, TUMC Tumaco, TUMC, TUMC, PTLC Puerto Leguiza, PTLC Puerto Leguiza, SOTA Rioblanco, SOTA Rioblanco, PCON Cinco Dias, PCON Cinco Dias, POPC Popayan, Colom, POPC Popayan, Colom, GRGC Isla de Gorgon, GRGC Isla de Gorgon, MARP Paez Belalcaza, MARP Paez Belalcaza, BETC Betania, BETC Betania, ATAH Atahualpa, ATAH, MALC Bahia Malaga, MALC Bahia Malaga, MALC Bahia Malaga, YOTC Yotoco, Valle, YOTC Yotoco, Valle, YOTC Yotoco, Valle, NNA Nana, NNA, NNA, SDV Santo Domingo, LPAZ La Paz, LPAZ.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PTGA Pitinga, MDP Montagnes des, BDBF Brasilia, TXAR Lajitas Array, NVAR Mina Araya, SCHO Schefferville, YKA Yellowknife Arr, LIC Lamto, TIC Tumbodi, DBIC Dimbokro, KIC Kosan Boka, ERSD Sonseca Array, TORO Torodi Arr, ILAR Eielson Array, KEST Kesteven, GERES GERES Array B, ASAR Alice Springs, ASAR Alice Springs, WRA Warrungama Arr, WRA Warrungama Arr.

IDC 09 16:27:21.7.1.2, 26.17S:51S:68.84W, h0km, mb3.9/1, mb1 4.0/2, mb1mx3.6/29, mbtmp3.6/8, ML3.3/2, MS3.3/1, Error ellipse: s-maj=70.3km s-min=22.5km az=95.0

GUC 09 16:27:21.8.0.2, 26.18S:69.08W, h2km, 4km, ML4.1

ISCJB 09 16:27:25.0.5.2, 16.5S:0.03x69.29W:0.05, h10km, mb3.9/1, Error ellipse: s-maj=7.0km s-min=4.1km az=160.2

SJA 09 16:27:26.2.0.4, 26.49S:69.45W, h248km, 20km, ML2.7, MWV3.3

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like G002 Mina Guanaco, GR02 Chagalar, PB14 IPOC Station P, PB14 IPOC Station P, PB14 IPOC Station P, PB15 IPOC Station P, PB15 IPOC Station P, PB15 IPOC Station P, LCO Las Campanas, LCO, LCO, AGUA GUADACOL, PB05 IPOC Station P, PB05 IPOC Station P, PB05 IPOC Station P, PB06 IPOC Station P, LVC Limon Verde, LVC, CYA Choya, CYA, APLL PUNTA DE LOS L, APLL, TORO Torodi Arr, ASAR Alice Springs, WRA Warrungama Arr, ZALV Zalevo Beam, MKAR Makanchi Array.

NEIC 09 16:29:01.6.0.0, 14.72N:93.30W, h6km, MD4.1 (MEX), After MEX

MEX 09 16:29:01.6.0.0, 14.72N:93.30W, h6km, MD4.1, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like PCIG Pitinga, PCIG Pitinga, PCIG Pitinga, THIG Thig, THIG Thig, THIG Thig, THIG Thig, CCIG Comitán, CCIG Comitán, CMIG Matias Romero, CMIG Matias Romero, HUIG Huatulo, HUIG Huatulo, HUIG Huatulo.

IDC 09 16:46:44.8.2.0, 9.38S:112.98E, h0km, mb3.4/6, mb1 3.9/5, mb1mx3.5/40, mbtmp3.6/8, ML3.3/2, MS3.3/1, Ms1 3.7/1, ms1mx3.2/28, Error ellipse: s-maj=34.1km s-min=32.5km az=172.0, Santa Cruz Islands region

ISC 09 16:46:49.8.1.5, 9.25S:0.3x113.0E:0.2, h36km, n9, s106/8, mb3.4/6, South of Java

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes station BATI Baumata.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warrungama Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, PALK Palleke, SONM Songoing Array, MKAR Makanchi Array, ZALV Zalevo Beam.

IDC 09 16:48:26.1.2.6, 10.72S:113.03E, h0km, mb3.2/3, mb1 3.5/4, mb1mx3.3/35, mbtmp3.3/4, ML2.9/1, Error ellipse: s-maj=126.8km s-min=24.2km az=45.0, South of Java

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warrungama Arr, ASAR Alice Springs, MKAR Makanchi Array.

IDC 09 16:57:19.9.4.7, 10.84S:164.62E, h56km, 35km, mb3.3/3, mb1 3.7/5, mb1mx3.4/29, mbtmp3.9/5, ML4.6/2, Error ellipse: s-maj=56.6km s-min=34.8km az=59.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, DZM Mont Dzumac, WRA Warrungama Arr, ASAR Alice Springs, MKAR Makanchi Array.

ISCJB 09 16:57:57.2.0.7, 11.7S:0.1x165.04E:0.10, h33km, mb3.9/9, Error ellipse: s-maj=16.2km s-min=11.5km az=38.5

IDC 09 16:58:02.5.3.4, 1.186S:165.25E, h70km, 29km, mb3.7/9, mb1 3.9/12, mb1mx3.8/30, mbtmp4.0/12, Error ellipse: s-maj=30.0km s-min=24.0km az=115.0

ISC 09 16:57:59.1.0.8, 11.7S:0.1x165.1E:0.1, h35km, n12, s092/14, mb4.0/9, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like HNR Honiara, HNR Honiara, DZM Mont Dzumac, CTA Charters Tower, WRA Warrungama Arr, WRA Warrungama Arr, ASAR Alice Springs, ASAR Alice Springs, MJAR Matsushiro Arr, CMAR Chiang Mai Arr, SONM Songoing Array, ILAR Eielson Array, MKAR Makanchi Array, ZALV Zalevo Beam, YKA Yellowknife Arr.

ISCJB 09 17:07:29.7.0.9, 10.74S:0.1x166.08E:0.08, h10km, mb4.3/11, Error ellipse: s-maj=15.6km s-min=9.3km az=30.2

NEIC 09 17:07:31.3.0.9, 10.64S:166.08E, h10km, mb4.7/8, Error ellipse: s-maj=17.7km s-min=13.7km az=230.0

IDC 09 17:07:38.0.4.0, 10.94S:163.01E, h60km, 32km, mb3.6/4, mb1 4.0/6, mb1mx3.5/36, mbtmp4.1/6, ML3.9/2, Error ellipse: s-maj=31.7km s-min=26.6km az=37.0

ISC 09 17:07:31.3.1.0, 10.7S:0.1x166.17E:0.09, h10km, n19, s151/23, mb4.5/11, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, DZM Mont Dzumac, PINNC Pines Island, EIDS Eidsvoll, CTA Charters Tower, COEN Coen, BKZ Black Stump Fm, WRAB Tennant Creek, WB2 Warrungama Arr, WR1 Warrungama Arr, WR1 Warrungama Arr, WRA Warrungama Arr, WRA Warrungama Arr, AS01 Alice Springs, AS31 Alice Springs, ASAR Alice Springs, ASAR Alice Springs, FITZ Fitzroy Crossi, ILAR Eielson Array, PHWY Pihl Hill.

ISCJB 09 17:09:26.9.0.2, 51.59N:0.01x16.10E:0.02, h0km, mb3.5/9, Error ellipse: s-maj=2.1km s-min=1.7km az=28.0







Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, ARCES ARCESS Array B, etc.

SOME 09 17:38:33.5, 43:30N, 79:93E, h15km
KRNET 09 17:38:33.0, 0.1, 43:19N, 79:97E, h10km, mb3.1
NINC 09 17:38:33.0, 0.6, 43:31N, 79:93E, h8km, mb3.6,
mpV3.2, Error ellipse: s-maj=6.3km s-min=2.7km az=162.0

Main table of station data for the left column, including stations like PDGK Podgornoye, KTMS Ketmen, UZB Uzynbulak, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like TNSS Tian-Shan, KDJ Kajisy, etc.

ISC/JB 09 17:47:10.1, 1.5, 11:70S, 165:34E, h0km, mb3.8/4,
mb1 4.0/6, mb1mx3.7/25, mbtmp3.9/6, ML4.1/2, Error
ellipse: s-maj=32.8km s-min=29.5km az=134.0

Main table of station data for the middle column, including stations like HNR Honiara, DZM Mont Dzumac, etc.

Main table of station data for the right column, including stations like CELP Cerrillos, EMPR Esperanza - Ma, etc.



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Table with columns for station call letters, name, frequency, and various signal quality metrics (e.g., SNR, S/N, etc.).

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Table listing stations from QIZ to CHTO, including names like Qiongzong, Ussuriysk Arra, and various signal quality metrics.

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Table listing stations from CD2 to MK31, including names like Chengdu, Seymchan Lanzhou, and various signal quality metrics.





Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like Bellamira, Pacayal, Tecapa, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like Houston, Paradox Valley, Sadoro, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like KURS, SATY, CHKK, etc.

NNC 09 19:05:03.7-0.4, 44.86N-80.98E, h0km, mb3.7, mpv3.4, Error ellipse: s-maj=5.0km s-min=2.3km az=128.0

SOME 09 19:05:04.0, 44.85N-81.03E, h15km, Error ellipse: s-maj=5.0km s-min=2.3km az=128.0

ISC 09 19:05:01.4-1.0, 44.83N-80.05E, h16E, 0.05, h10km, n41, c1950/56, 7C-6D, Northern Xinjiang

ISK 09 19:06:13.0, 34.20N-26.58E, h15km, ML3, 6/26, Error ellipse: s-maj=4.3km s-min=4.0km az=32.3

HLW 09 19:06:17.5, 34.30N-26.67E, h11km, 16km, M3.6, Error ellipse: s-maj=1.6km s-min=1.1km az=156.0

THE 09 19:06:18.5, 34.34N-26.55E, h12km, 1km, ML2.6/6, Error ellipse: s-maj=4.5km s-min=2.4km az=168.0

ATH 09 19:06:21.6, 34.78N-26.35E, h68km, 3km, ML2.7/4, Error ellipse: s-maj=4.5km s-min=2.4km az=168.0

IDC 09 19:06:29.4, 13.0, 35.01N-26.38E, h130km, 87km, mb3.3/6, mb1 3.3/8, mb1mx3.1/50, mbtm3.6/8, MS4.0/1, Ms1 3.9/1, ms1mx2.9/18, Error ellipse: s-maj=143.2km s-min=30.5km az=32.0

DDA 09 19:06:39.0, 35.86N-28.00E, h8km, 3km, ML2.3, Error ellipse: s-maj=176.1/10, 63.5/6, Crete n89, c1567/109, mb3.0, 5.6, Crete

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like ZAKROS, LASITHI, NEAPOLIS, etc.

9d 19h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like THR6 Thira Island, ARG Arhangelos, AMGA Amorgos Island, IOSP los island, etc.

ISC 09 19:08:55.9, 1.2, 7.48N, 124.61E, h0km, mb3.4/5, mb1 3.7/6, mb1mx3.5/48, mbtmp3.6/6, ML4.1/1, Error ellipse: s-maj=28.8km s-min=11.4km az=25.0

MAN 09 19:08:56.8, 7.67N, 124.63E, h2km, mb5.0, ML3.9, MS4.0 MAN INTENSIVITY II - MARAMAG BUKIDNON; INTENSIVITY I - CAGAYAN DE ORO CITY.

ISCJB 09 19:08:57.8, 0.6, 7.68N, 124.02E, 124.89E, 0.03, h15km, 5km, mb3.6/10, Error ellipse: s-maj=5.0km s-min=3.6km az=167.5

NEIC 09 19:09:00.6, 1.6, 7.71N, 125.02E, h39km, 14km, mb3.9/6, Error ellipse: s-maj=22.8km s-min=9.6km az=61.0

NEIC Felt (I PIVS) at Maramag and (I PIVS) at Cagayan de Oro. ISC 09 19:08:57.3, 1.0, 7.68N, 124.81E, 0.02, h11km, 8km, n40, i1933/58, mb3.7/10, 7C-3D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like BUKP Musuan, CTBH Cotabato-PC H, etc.

2013 FEB

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like PAGZ Butuan, GSPH General Santos, MATI Mati, etc.

ISCJB 09 19:10:13.3, 0.4, 43.78N, 103.105, 33W, 0.05, h0km, mb3.9/3, Error ellipse: s-maj=5.1km s-min=4.3km az=6.6

IDC 09 19:10:13.6, 0.9, 43.77N, 105.66W, h0km, mb3.8/3, mb1 3.6/9, mb1mx3.4/48, mbtmp3.4/9, ML3.2/6, Error ellipse: s-maj=24.1km s-min=8.9km az=147.0

NEIC 09 19:10:15.0, 0.2, 43.77N, 105.35W, h0km, ML3.3, Error ellipse: s-maj=3.0km s-min=2.6km az=89.0, Suspected Mining explosion.

NEIC 57 km (36 miles) SSE of Gillette. ISC 09 19:10:14.5, 0.8, 45.79N, 105.105, 39W, 0.05, h0km, n57, i085/56, mb4.0/3, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like RSSD Black Hills, KZZA Casper, PHWY Hill, etc.

ISCJB 09 19:13:56.6, 0.3, 11.05S, 165.80E, 0.04, h10km, mb4.4/2, MS4.2/6, Error ellipse: s-maj=6.5km s-min=4.8km az=153.7

IDC 09 19:13:56.4, 0.6, 11.03S, 165.92E, h0km, mb4.1/21, mb1 4.3/23, mb1mx1.1/51, mbtmp4.1/23, ML4.8/2, MS4.3/7, MS1 4.3/7, ms1mx3.9/22, Error ellipse: s-maj=18.3km s-min=14.5km az=111.0

NEIC 09 19:13:58.2, 0.2, 10.90S, 165.82E, h10km, mb4.8/29, Error ellipse: s-maj=5.1km s-min=3.8km az=77.0

ISC 09 19:13:58.5, 0.4, 11.03S, 165.80E, 0.06, h10km, n87, i1520/89, mb4.4/2, MS4.1/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, MARNC Mare, Loyalty, etc.

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Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, MARNC Mare, Loyalty, etc.

ISCJB 09 19:13:56.6, 0.3, 11.05S, 165.80E, 0.04, h10km, mb4.4/2, MS4.2/6, Error ellipse: s-maj=6.5km s-min=4.8km az=153.7

IDC 09 19:13:56.4, 0.6, 11.03S, 165.92E, h0km, mb4.1/21, mb1 4.3/23, mb1mx1.1/51, mbtmp4.1/23, ML4.8/2, MS4.3/7, MS1 4.3/7, ms1mx3.9/22, Error ellipse: s-maj=18.3km s-min=14.5km az=111.0

NEIC 09 19:13:58.2, 0.2, 10.90S, 165.82E, h10km, mb4.8/29, Error ellipse: s-maj=5.1km s-min=3.8km az=77.0

ISC 09 19:13:58.5, 0.4, 11.03S, 165.80E, 0.06, h10km, n87, i1520/89, mb4.4/2, MS4.1/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, MARNC Mare, Loyalty, etc.

Table with columns: STKA, Stephens Creek, 30.49 223 eP, P, 19 20 11.5 -0.3. Includes various station names and coordinates.

ISCJB 09 19:28:01.7, 0.6, 40.89N, 0.03, 142.07E, 0.07, h64km, 4km, mb3.5/0, Error ellipse: s-maj=9.0km s-min=5.0km az=12.1

JMA 09 19:28:02.0, 1.0, 40.91N, 142.12E, h50km, 2km, M3.5 JMA Felt J1, IDC 09 19:28:03.5, 2.0, 40.91N, 142.17E, h74km, 17km, mb3.3/10, mb1 3.4/14, mb1mx3.3/3.4, mbtmp3.5/14, Error ellipse: s-maj=25.7km s-min=12.8km az=102.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like JARK, JARF, JAND, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like ASAJ, ASAH, ASAJ, etc.

MAN 09 19:31:08.1, 7.06N, 125.99E, h45km, mb3.8, ML2.6, MS2.1, 1D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like MATI, MATI, DMPH, etc.

MEX 09 19:32:33.2, 0.4, 15.39N, 98.08W, h2km, MD3.9, Off coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like PNIG, Pinotepa, PNIG.

MAN 09 19:33:06.9, 7.69N, 125.05E, h33km, mb3.9, ML2.7, MS2.2, 1C-1D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like BUKP, Musuan, BUKP, etc.

IDC 09 19:41:13.8, 1.9, 37.07N, 143.54E, h0km, mb3.5/5, mb1 3.6/7, mb1mx3.4/3.3, mbtmp3.5/7, ML3.0/2, Error ellipse: s-maj=46.2km s-min=24.6km az=56.0

ISCJB 09 19:41:16.2, 0.9, 37.36N, 143.45E, 0.0, h33km, mb3.5/5, Error ellipse: s-maj=7.2km s-min=5.4km az=0.1

JMA 09 19:41:16.4, 0.2, 37.38N, 143.44E, h46km, M3.4

ISC 09 19:41:18.3, 1.3, 37.39N, 143.47E, 0.1, h35km, m2.3, s=1932/35, mb3.5/5, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like JIKH, Ishinomakikubo, JIKH, etc.

Table with columns: JANG, Nango, 3.35 334 eS, Sn, 19 42 44.4 -2.2. Includes various station names and coordinates.

MAN 09 19:46:06.6, 7.86N, 125.03E, h31km, mb3.8, ML2.5, MS2.0, 1C, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like BUKP, Musuan, BUKP, etc.

IDC 09 19:54:38.2, 0.8, 10.90S, 164.71E, h0km, mb4.2/17, mb1 4.4/20, mb1mx4.2/4.9, mbtmp4.2/20, ML4.3/3, MS3.6/3, Ms1 3.6/3, ms1mx3.1/3.7, Error ellipse: s-maj=3.2km s-min=16.2km az=126.0

NEIC 09 19:54:39.9, 0.2, 10.87S, 164.68E, h10km, mb4.6/16, Error ellipse: s-maj=0.0km s-min=4.7km az=97.0

ISCJB 09 19:54:41.0, 0.3, 10.98S, 164.64E, 0.06, h29km, mb4.3/30, MS3.7/1, Error ellipse: s-maj=8.8km s-min=6.9km az=168.4

ISC 09 19:54:42.6, 0.5, 10.90S, 164.68E, 0.07, h28km, m7.2, s=082/71, mb4.2/33, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like HNR, Honiara, HNR, etc.

MANU Pines Island, 11.94 166 ePn, P, 19 59 05.3 -0.3

CTA Charters Tower, 19.95 241 Pn, P, 19 59 13.8 -0.6

CTO Charted Tower, 19.95 241 eP, P, 19 59 12.9 +0.3

COEN Ceon, 21.22 260 eP, P, 19 59 26.7 +0.4

H11S2 WAKE ISLAND Hy 29.27 4 T, T, 20 31 19.4

H11S3 WAKE ISLAND Hy 29.28 4 T, T, 20 31 21.0

H11S1 WAKE ISLAND Hy 29.29 4 T, T, 20 31 18.4

STKA Stephens Creek, 29.84 222 eP, P, 20 00 47.9 +0.4

STKA Stephens Creek, 29.84 222 P, P, 20 00 48.5 +1.0

BKZ Baskumpum Fin 30.05 161 eP, P, 20 00 49.6 +0.3

H11N1 WAKE ISLAND Hy 30.50 4 T, T, 20 32 50.9

H11N3 WAKE ISLAND Hy 30.51 4 T, T, 20 32 50.2

H11N2 WAKE ISLAND Hy 30.52 4 T, T, 20 32 51.5

WRAB Tennant Creek, 30.54 249 eP, P, 20 00 53.5 -0.4

WB2 Warramunga Arr, 30.54 249 eP, P, 20 00 53.5 -0.4

WR1 Warramunga Arr, 30.55 249 eP, P, 20 00 53.0 -0.9

WR1 Warramunga Arr, 30.55 249 eP, P, 20 00 53.1 -0.9

WRA Warramunga Arr, 30.55 249 eP, P, 20 03 50.7 -1.8

TOO Toolangi, 31.66 210 eP, P, 20 01 04.4 +0.8

AS31 Alice Springs, 31.92 243 eP, P, 20 01 05.6 -0.4

ASAR Alice Springs, 31.93 243 eP, P, 20 01 05.2 -0.9

ASAR Alice Springs, 31.93 243 eP, P, 20 03 56.0 -0.2

ASAR Alice Springs, 31.93 243 eP, P, 12 12 29.9

FITZ Fitzroy Crossi, 38.41 255 eP, P, 20 02 00.8 -1.1

FORT Forrest, 39.27 234 eP, P, 20 02 08.9 -0.1

MJAR Matsushiro Arr, 53.37 333 P, P, 20 03 58.9 -0.7

MAJO Matsushiro, 53.37 333 eP, P, 20 03 58.9 -0.7

KSRS Korea Array, 59.39 326 P, P, 20 04 42.3 +1.3

IDC 09 19:22:28.3, 1.1, 11.58S, 165.27E, h0km, mb3.8/9, mb1 4.1/11, mb1mx3.9/3.7, mbtmp3.9/11, ML3.8/2, Error ellipse: s-maj=35.3km s-min=21.3km az=142.0

ISCJB 09 19:22:30.8, 0.8, 11.6S, 0.1:165.15E, 0.0, h24km, mb3.8/8, Error ellipse: s-maj=20.9km s-min=11.8km az=7.2

ISC 09 19:22:31.7, 0.8, 11.7S, 0.1:165.2E, 0.1, h24km, m11, s=112/12, mb3.9/8, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, ISC. Includes stations like HNR, Honiara, HNR, etc.



9d 20h

Table with columns: MK32, MKAR, MKAR, MKAR, ZALV, ZAA1, MAK2, PDAR, YKA, GERES, ESCD, Torodi Arr, TOR1, TOR2. Includes station names, coordinates, and times.

ISC/JB 09 19:55:59.7±0.5, 26.65N±0.07, 125.00E±0.06, n225km, 6km, mb2.9/4, Error ellipse: s-maj=13.7km

IDC 09 19:56:00.3±0.3, 26.69N±124.89E, h224km, 40km, mb2.7/4, mb1 2.8/7, mb1mx2.6/58, mbtm3.2/7, Error ellipse: s-maj=52.9km s-min=16.0km az=66.0

JMA 09 19:56:02.1±0.4, 26.73N±124.87E, h202km, M3.5 ISC 09 19:56:00.0±0.8, 26.71N±124.95E±0.06, h222km, 10km, n30, ±1990/51, mb2.9/4, Northeast of Taiwan

Main table for the 9d 20h section, listing station names, coordinates, and times for various seismic events.

IDC 09 20:04:14.2±1.7, 11.63S±164.64E, h0km, mb3.4/3, mb1 3.8/4, mb1mx3.5/40, mbtm3.6/4, ML4.3/1, Error ellipse: s-maj=49.5km s-min=31.9km az=127.0, Santa Cruz Islands region

Table listing station names and times for the Santa Cruz Islands region events.

IDC 09 20:04:47.0±1.6, 11.43S±165.13E, h0km, mb3.6/5, mb1 3.9/6, mb1mx3.6/42, mbtm3.7/6, ML4.2/1, Error ellipse: s-maj=48.2km s-min=28.5km az=116.0, Santa Cruz Islands

Table listing station names and times for the Santa Cruz Islands events.

IDC 09 20:17:11.8±2.2, 5.66S±103.68E, h0km, mb3.5/7, mb1 3.6/7, mb1mx3.5/36, mbtm3.6/7, Error ellipse: s-maj=89.6km s-min=18.2km az=52.0, Southern Sumatara

Table listing station names and times for the Southern Sumatara events.

2013 FEB

Table listing station names and times for the 2013 FEB section, including ASAR, SONM, ZALV, and MAN 09 20:17:57.8±6.1N±122.76E, h31km, mb4.0, ML2.8, MS2.8, 2C-1D, Mindanao.

ISC/JB 09 20:31:34.5±0.8, 67.58N±0.03, 33.9E±0.1, h0km, Error ellipse: s-maj=7.3km s-min=4.9km az=170.8

HEL 09 20:31:37.8±0.4, 67.85N±33.82E, h0km, ML2.3, Explosion KOLA 09 20:31:38.7±0.7, 67.67N±33.78E, M1.8, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS FAS, 224p + CD-ROM, 2014)

NAO 09 20:31:39.3±1.0, 67.67N±33.67E, ML3.0 IDC 09 20:31:40.0±1.7, 67.73N±33.66E, h0km, mb1 3.4/5, mb1mx3.0/56, mbtm3.4/5, ML2.7/4, Error ellipse: s-maj=18.2km s-min=8.8km az=82.0

ISC 09 20:31:36.4±1.1, 67.50N±0.04, 33.87E±0.06, h0km, n46, ±216/85, Baltic States-Belarus-Northwestern Russia

Main table for the 2013 FEB section, listing station names, coordinates, and times for various seismic events.

IDC 09 20:34:36.5±0.5, 11.08S±164.82E, h0km, mb4.5/18, mb1 4.7/21, mb1mx4.5/36, mbtm3.4/5, ML4.6/3, MS3.7/4, Ms1 3.7/4, ms1mx3.5/28, Error ellipse: s-maj=18.1km s-min=14.1km az=94.0

NEIC 09 20:34:37.8±0.1, 11.08S±164.75E, h10km, mb5.0/56, Error ellipse: s-maj=5.3km s-min=3.0km az=104.0

ISC/JB 09 20:34:39.0±0.2, 11.18S±0.04±164.69E±0.04, h31km, mb4.7/77, MS4.1/3, Error ellipse: s-maj=5.6km s-min=5.3km az=6.8

ISC 09 20:34:41.1±0.3, 11.17S±0.05±164.76E±0.06, h31km, n163, ±1905/173, mb4.9/77, MS3.8/3, 2C-1D, Santa Cruz Islands region

Main table for the 2013 FEB section, listing station names, coordinates, and times for various seismic events.

828

Table listing station names and times for the 828 section, including HFS, NB2, NB2, NB2, NOA, NOA, NOA, SPA0, SPA0, SPA0, SPITS, SPITS, NROA, NROA, NROA, NROA, NROA.

IDC 09 20:32:12.1±6.4, 50.08N±113.94W, h0km, mb1 3.6/1, mb1mx3.0/53, mbtm3.3/1, ML2.9/1, Error ellipse: s-maj=97.7km s-min=48.7km az=66.0, Alberta

IDC 09 20:34:36.5±0.5, 11.08S±164.82E, h0km, mb4.5/18, mb1 4.7/21, mb1mx4.5/36, mbtm3.4/5, ML4.6/3, MS3.7/4, Ms1 3.7/4, ms1mx3.5/28, Error ellipse: s-maj=18.1km s-min=14.1km az=94.0

NEIC 09 20:34:37.8±0.1, 11.08S±164.75E, h10km, mb5.0/56, Error ellipse: s-maj=5.3km s-min=3.0km az=104.0

ISC/JB 09 20:34:39.0±0.2, 11.18S±0.04±164.69E±0.04, h31km, mb4.7/77, MS4.1/3, Error ellipse: s-maj=5.6km s-min=5.3km az=6.8

ISC 09 20:34:41.1±0.3, 11.17S±0.05±164.76E±0.06, h31km, n163, ±1905/173, mb4.9/77, MS3.8/3, 2C-1D, Santa Cruz Islands region

Main table for the 828 section, listing station names, coordinates, and times for various seismic events.

MAJO	Matsushiro	53.64 333 eP	P	20 43 59.3 -0.5
MAT	Matsushiro	53.64 333 eP	P	20 43 58.4 -1.4
JNU	Nakatsu	54.62 325 eP	P	20 44 06.3 -0.8
YULB	Yu-li	54.66 309 eP	P	20 44 06.3 -1.2
TPUB	Ta-pu	55.12 309 eP	P	20 44 09.8 -1.1
SSE	Sheshan	59.27 317 eP	P	20 44 39.0 -1.0
KSR5	Korea Array	59.44 326 P	P	20 44 41.1 +0.1
KS01	Wuju Array S1	59.47 326 eP	P	20 44 40.8 -0.5
USOAB	Ussuriysk Arra	62.63 334 eP	P	20 45 02.0 -0.6
USRK	Ussuriysk Ar.	62.63 334 P	P	20 45 03.0 +0.5
MDJ	Mudanjiang	64.01 333 eP	P	20 45 11.3 -0.4
PETK	Petrovlovsk-	64.31 355 eP	P	20 45 13.1 -0.4
PETK	Enshi	64.31 355 P	P	20 45 13.9 +0.5
PEA1	Petrovlovsk-	64.31 355 eP	P	20 45 13.9 +0.4
CN2	Changchun	65.36 330 eP	P	20 45 19.8 -0.7
CN2			P	20 47 45.1 +0.4
CN2			P	20 53 56.9 -5.6
ENH	Enshi	67.23 310 eP	P	20 45 31.9 -0.9
GYA	Guiyang	67.69 305 fP	P	20 45 37.3 +1.3
GYA			P	20 48 09.5 +3.9
GYA			P	20 54 34.3 +2.5
GYA	Guiyang	67.69 305 SS	SKIKP	20 55 31.0 -0.6
GYA			P	20 58 56.7 +3.2
GYA			P	20 45 37.3 +1.3
GYA			P	20 48 09.5 +3.9
GYA			P	20 54 34.3 +2.5
GYA			P	20 55 31.0 -0.6
GYA			P	20 58 56.7 +3.2
XAN	Xi'an	69.49 313 pP	P	20 45 47.1 +0.1
XAN			P	20 45 52.1 -3.2
XAN			P	20 45 46.5 -0.5
KMI	Kunming	70.36 302 P	P	20 45 54.3 +1.6
KMI			P	20 46 00.1 -1.0
KMI			P	20 46 02.7 -1.5
KMI			P	20 45 52.4 -0.4
KMI			P	20 45 57.4 -0.6
CM01	Chiang Mai Arr	71.25 294 eP	P	20 45 58.0 -0.1
CM31	Chiang Mai Arr	71.25 294 eP	P	20 45 58.7 +0.5
CMAR	Chiang Mai Arr	71.25 294 eP	P	20 45 59.3 +1.3
HHC	Hu-ho-hao-te	71.30 322 eP	P	20 46 01.0 +2.2
HHC			P	20 46 02.5 +0.7
CHTO	Chiang Mai	71.39 294 P	P	20 46 01.0 +2.2
CD2	Chengdu	71.91 308 fP	P	20 46 02.5 +0.7
CD2			P	20 46 01.5 -0.4
HIA	Hailar	72.00 331 eP	P	20 46 16.4 +1.5
LZH	Lanzhou	74.13 313 eP	P	20 46 21.1 -2.3
LZH			P	20 46 23.9 -2.6
LZH			P	20 46 29.4 -0.3
GAMB	Gambell	76.86 10 eP	P	20 46 36.1 +0.3
ULN	Ulanbataar	77.84 324 eP	P	20 46 38.2 +0.4
SONA0	Songino Array	78.20 324 eP	P	20 46 38.2 +0.4
SONM	Songino Array	78.20 324 P	P	20 46 38.2 +0.4
SONA1	Songino Array	78.20 324 eP	P	20 46 37.7 -0.1
GTA	Gaotai	78.45 314 fP	P	20 46 40.5 +1.1
GTA			P	20 46 44.8 -3.1
GTA			P	20 46 47.8 -0.7
GTA			P	20 58 34.8 +4.8
GTA	Gaotai	78.45 314 SKS	SKSac	20 56 51.1 -1.2
GTA			SS	21 01 47.4 +1.0
GTA			P	20 46 40.5 +1.1
ANM	Nome	78.82 13 eP	P	20 46 42.1 +1.1
QSPA	South Pole QP	78.84 180 eP	P	20 46 41.1 -0.5
BLLA	Bilibino	79.01 1 eP	P	20 46 56.2 -0.8
LSA	Lhasa	81.60 302 eP	P	20 46 55.9 -0.5
TLY	Talaya	81.69 327 eP	P	20 47 00.2 +0.7
RD0G	Red Dog Mine	82.34 12 eP	P	20 47 01.9 0.0
IM3	Indian Mountai	82.80 16 eP	P	20 47 04.9 +0.1
WRH	Wood River Hill	83.35 19 eP	P	20 47 06.1 -0.3
MDM	Murphy Dome	83.65 18 eP	P	20 47 05.8 -0.7
HDA	Harding Lake	83.67 19 eP	P	20 47 07.2 -0.6
IL1	Eielson Array	83.94 19 eP	P	20 47 07.2 -0.7
ILAR	Eielson Array	83.94 19 eP	P	20 47 08.0 +0.2
ILB	Eielson Array	83.94 19 eP	P	20 47 12.8 -0.1
HYT	Haines Junction	84.90 25 eP	P	20 47 17.3 -0.9
TXI	Tiksi	86.03 349 eP	P	20 47 23.2 0.0
NV01	Mina Array Sit	86.84 50 eP	P	20 47 23.1 -0.1
NVAR	Mina Array Bea	86.84 50 eP	P	20 47 22.9 -0.7
NV11	Mina Array Sit	86.95 50 eP	P	20 47 26.7 -0.2
IO7A	Izeze	87.66 44 eP	P	20 47 29.1 -0.2
JO8A	Circle Bar Ran	88.15 45 eP	P	20 47 29.8 -0.6
GO8A	Pilot Rock	88.40 43 eP	P	20 47 40.1 -0.9
CCUT	Cedar City	90.38 52 eP	P	20 47 45.4 +0.2
KNB	Kanab	90.67 53 eP	P	20 47 42.5 -0.2
U15A	North Rim	90.95 53 eP	P	20 47 42.2 -0.7
HLID	Halley	91.06 46 eP	P	20 47 44.0 -0.9
MTPU	Mount Pierson	91.40 52 eP	P	20 47 46.4 0.0
HVU	Hansel Valley	91.80 48 eP	P	20 47 50.0 -0.6
DLMT	Dillon	92.75 44 eP	P	20 47 50.4 -1.0
MK01	Makanchi Array	92.95 317 eP	P	20 47 50.6 -0.8
MK31	Makanchi Array	92.95 317 eP	P	20 47 51.6 -0.8
MK32	Makanchi Array	92.95 317 eP	P	20 47 51.6 -0.8
MKAR	Makanchi Array	92.95 317 eP	P	20 47 51.6 +0.2
MKAR	Makanchi Array	92.95 317 P	P	20 47 51.6 +0.2

MKAR	comp=2.0,6nm,0.7s,baz=281,slow=3.1,SNR=7.9	PKKPbc	PKKPdf	21 05 01.8 +0.2
ZAA0	Zalevso Array	93.09 324 eP	P	20 47 50.7 -1.1
ZALV	Zalovo Beam	93.09 324 eP	P	20 47 50.8 -1.1
ZALV	Zalevso Beam	93.09 324 P	P	20 47 51.3 -0.5
ZAA1	Zalevso Array	93.09 324 eP	P	20 47 51.3 -0.5
MAKZ	Makanchi	93.17 317 eP	P	20 47 51.6 -0.8
BOZ	Bozeman (W)	93.46 44 eP	P	20 47 53.4 -0.5
PDAR	Pinedale Array	94.35 47 P	P	20 47 58.1 -0.1
PDAR	comp=2.0,7nm,0.9s,baz=237,slow=4.4,SNR=5.3	PKKPbc	PKKPdf	21 04 58.4 -0.9
YKA	Yellowknife Ar	95.53 27 P	P	20 48 01.5 -1.3
YKBS	Yellowknife Ar	95.53 27 eP	P	20 48 01.3 -1.5
KSH	Kashi	96.08 309 P	P	20 48 04.4 +2.3
KSH			P	20 48 15.5 +0.8
KSH			P	20 52 01.7 +2.5
KSH	Kashi	96.08 309 SS	SS	20 59 32.2 -5.7
KSH			P	20 48 05.9 +0.1
KURBB	Kurchatov Arra	96.16 320 P	P	20 48 05.9 -0.1
BVAR	Boyovoye Array	101.45 322 eP	P	20 48 28.9 -0.7
ARAO	ARCES Array S	116.21 345 eP	PKIKP	20 53 20.1 -0.7
ARCES	ARCES Array B	116.21 345 P	PKIKP	20 53 20.1 -0.7
LPAZ	La Paz	120.99 117 eP	PKIKP	20 53 32.5 0.0
LPAZ	La Paz	120.99 117 P	PKIKP	20 53 33.1 +0.7
FLAO	FINES Array S	121.53 338 eP	PKPpdf	20 53 31.2 0.0
FINES	FINES Array B	121.53 338 P	PKPpdf	20 53 31.2 0.0
BOSA	Boshof	124.36 224 P	PKIKP	20 53 38.8 +0.5
CPUP	Villa Florida	124.65 133 eP	PKPpdf	20 53 38.3 -0.1
CPUP	Villa Florida	124.65 133 P	PKPpdf	20 53 38.5 +0.2
SDV	San Domingo	125.47 87 eP	PKPpdf	20 53 40.3 -0.1
AKASO	Malin Array Be	126.43 326 P	PKPpdf	20 53 40.9 -0.1
NB2	NORSAR Array S	126.56 344 eP	PKPpdf	20 53 40.9 -0.1
NB20	NORSAR Array S	126.56 344 P	PKPpdf	20 53 41.0 0.0
NB20	NORSAR Array B	126.56 344 P	PKPpdf	20 53 41.0 0.0
BR10	Keskin Array B	128.33 312 eP	PKPpdf	20 53 45.3 +0.1
BR11	Keskin Array B	128.33 312 P	PKPpdf	20 53 45.3 +0.1
HUMP	Col San Antonio	130.67 76 eP	PKPpdf	20 53 50.0 0.0
BRG	Bergellusschw	137.77 335 eP	PKIKP	20 53 56.5 +0.2
CLL	Colim	133.82 336 eP	PKIKP	20 53 56.0 -0.3
CLL			P	20 53 59.0 +4.0
GERES	GERES Array B	135.38 333 P	PKPpdf	20 53 58.5 +0.4
BDFB	Brasilia	138.02 129 P	PKPpdf	20 54 04.2 +0.2
KEST	Kesra	146.92 322 eP	PKPbc	20 54 19.7 +0.5
PBRG	Braganca	148.59 348 eP	PKPbc	20 54 21.1 0.0
POLO	Lamas de Ole	149.21 349 eP	PKPbc	20 54 29.7 +0.9
PIVL	Vila Real	149.29 349 eP	PKPbc	20 54 27.5 +0.4
SONECA	SONECA Array	149.85 342 eP	PKPbc	20 54 28.0 -0.4
ES19			PKIKP	20 54 29.6 0.0
ES19			PKPbc	20 54 35.8 +0.2
MDC	Sonsec Array	149.90 342 P	PKPbc	20 54 28.8 0.0
EDT	Edwards	150.10 348 eP	PKPbc	20 54 36.3 +1.2
PMRV	Marysville	151.00 347 eP	PKIKP	20 54 31.7 -0.2
PTOM	Torodi Ar. Sit	151.03 349 eP	PKIKP	20 54 32.3 +0.4
TOAO	Torodi Ar. Sit	151.03 349 eP	PKPpdf	20 54 41.7 0.0
TORD	Torodi Ar. Bea	151.33 279 P	PKPpdf	20 54 41.3 -0.5
TOA1	Torodi Ar. Sit	151.33 279 eP	PKPpdf	20 54 41.3 -0.5

ISJCJB 09 20:59:34.1±0.9, 10.93S:0.1x164.32E:0.1, h29km, mb3.6/7, Error ellipse: s-maj=18.3km s-min=11.3km az=34.5

ICD 09 21:09:39.3±3.5, 11.01S:164.18E, h64km, 28km, mb3.4/7, mb1 3.7/9, mb1mx3.5/39, mbmtps 6/34, ML4.2/2, Error ellipse: s-maj=30.3km s-min=22.3km az=50.0

ISC 09 20:59:35.9±1.1, 10.93S:0.1x164.32E:0.1, h29km, n10, f=134/11, mb3.6/7, Santa Cruz Islands region

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
HNR	Honiara	4.55 288 P	Pn	Op	ISC	h m s	ISC
HNR		22nm,0.3s,baz=261,slow=13,SNR=5.7	S				
HNR		21nm,0.3s,baz=223,slow=18,SNR=2.8	S				
DZM	Mont Dzumac	11.32 170 P	Pn	Op	ISC	h m s	ISC
DZM		0.8nm,0.3s,baz=312,slow=22,SNR=14	S				
CTA	Charters Tower	19.68 240 P	Pn	Op	ISC	h m s	ISC
CTA		0.4nm,0.3s,baz=61,slow=12,SNR=4.6	S				
WRA	Warramunga Arr	30.25 249 P	Pn	Op	ISC	h m s	ISC
ASAR	Alice Springs	31.65 242 P	Pn	Op	ISC	h m s	ISC
FITZ	Fitzroy Crossi	38.09 247 P	Pn	Op	ISC	h m s	ISC
CMAR	Chiang Mai Arr	70.78 294 P	Pn	Op	ISC	h m s	ISC
SONM	Songino Array	77.71 324 P	Pn	Op	ISC	h m s	ISC
ILAR	Eielson Array	83.79 19 P	Pn	Op	ISC	h m s	ISC
MKAR	Makanchi Array	92.45 317 P	Pn	Op	ISC	h m s	ISC

ICD 09 21:01:29.7±0.3, 44°S:2x17°2E, h5km, ML4.1/6, South Island

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
CRZL	Canterbury Las	0.18 78 P	Pn	Op	ISC	h m s	ISC
CRZL			S				
EYCC	Eyrewell	0.19 356 P	Pn	Op	ISC	h m s	ISC
RACZ	Rakaia	0.20 237 P	Pn	Op	ISC	h m s	ISC
MOZ	McQueen's Vall	0.22 114 P	Pn	Op	ISC	h m s	ISC
MOZ			S				
OXZ	Oxford	0.38 320 P	Pn	Op	ISC	h m s	ISC
OXZ			S				
AKCZ	Akaroa Harbour	0.47 124 P	Pn	Op	ISC	h m s	ISC
AKCZ			S				
AMCZ	Amberley	0.48 25 P	Pn	Op	ISC	h m s	ISC
OKCZ	Oakains Bay	0.51 103 P	Pn	Op	ISC	h m s	ISC
OKCZ			S				
LTZ	Lake Taylor	0.84 355 P	Pn	Op	ISC	h m s	ISC
RPZ	Rata Peaks	0.96 264 P	Pn	Op	ISC	h m s	ISC
INZ	Inchbonnie	1.12 322 P	Pn	Op	ISC	h m s	ISC
WVZ	Waiata Valley	1.31 294 P	Pn	Op	ISC	h m s	ISC
KHZ	Kalutara	1.37 36 P	Pn	Op	ISC	h m s	ISC
LBZ	Lake Benmore	1.76 243 P	Pn	Op	ISC	h m s	ISC
FOZ	Fox Glacier	1.86 272 P	Pn	Op	ISC	h m s	ISC
THZ	Tophouse	1.89 12 P	Pn	Op	ISC	h m s	ISC
ODZ	Otaia Downs	1.89 220 P	Pn	Op	ISC	h m s	ISC
DSZ	Denniston Arnt	1.92 347 P	Pn	Op	ISC	h m s	ISC
BSWZ	Blackbirch Sta	2.20 31 P	Pn	Op	ISC	h m s	ISC
TUWZ	Tuaruina	2.47 28 P	Pn	Op	ISC	h m s	ISC
NNZ	Nelson	2.51 18 P	Pn	Op	ISC	h m s	ISC
HHZ	Highcliff Hill	2.60 209 P	Pn	Op	ISC	h m s	ISC
JCZ	Jackson Bay	2.64 259 P	Pn	Op	ISC	h m s	ISC
WZ	Wanaka	2.70 242 P	Pn	Op	ISC	h m s	ISC
EAZ	Earnsclough	2.73 233 P	Pn	Op	ISC	h m s	ISC
TCW	Tor Channel	2.79 31 P	Pn	Op	ISC	h m s	ISC
QRZ	Quartz Range	2.79 2 P	Pn	Op	ISC	h m s	ISC
BHW	Baring Head	2.88 41 P	Pn	Op	ISC	h m s	ISC
PLWZ	Pelorus Head	2.95 47 P	Pn	Op	ISC	h m s	ISC
DUWZ	D'Urville Isla	3.04 23 P	Pn	Op	ISC	h m s	ISC
TUZ	Tuapeka	3.05 219 P	Pn	Op	ISC	h m s	ISC
MSWZ	Moikau Station	3					



PLAI	baz=47,SNR=174	47.41 268	P	P	21 10 55.4	-1.1
KIP	comp=Z,420nm,1.2s,comp=Z,6um	47.88 48	eP	P	21 11 05.2	+5.2
KIP	comp=Z,332nm,1.4s	47.88 48	iP	P	21 10 59.7	-0.3
OPA	comp=Z,93nm,0.9s	48.05 47	eP	P	21 11 01.9	+0.6
OPA	comp=Z,1um,1.5s		LR	LR		
OPA	comp=Z,32um,21.0s	48.05 47	eP	P	21 11 01.9	+0.6
OPA	comp=Z,1um,1.5s		MLR	MLR		
PVCP	comp=Z,32um,21.0s	48.05 300	eP	P	21 11 11.6	+1.0
PVCP	Virac	48.05 300	eP	P	21 11 12.0	+1.1
GUIM	Jordan	48.09 295	eP	P	21 11 01.6	-0.1
KHLU	Kahalu'u	48.36 51	eP	P	21 11 04.2	+0.3
KHLU	comp=Z,698nm,1.5s		LR	LR		
KHU	comp=Z,32um,21.0s	48.38 52	eP	P	21 11 02.0	-2.2
KHU	comp=Z,561nm,1.1s		LR	LR		
KHU	comp=Z,28um,21.0s	48.38 52	eP	P	21 11 02.0	-2.2
KHU	comp=Z,561nm,1.1s		MLR	MLR		
KHU	comp=Z,28um,21.0s	48.46 51	eP	P	21 11 03.0	-1.8
HU	Hualalai	48.46 51	eP	P	21 11 03.0	-1.8
HU	comp=Z,334nm,1.1s		LR	LR		
MWH	comp=Z,30um,21.0s	48.53 52	eP	P	21 11 03.8	-1.8
MWH	Mokuweowe	48.53 52	eP	P	21 11 03.8	-1.8
MWH	comp=Z,236nm,1.1s		LR	LR		
MWH	comp=Z,31um,22.0s	48.57 52	PFAKE	LR	21 11 20.0	+1.4
AIN	Ainahu	48.57 52	PFAKE	LR	21 11 20.0	+1.4
AIN	comp=Z,30um,21.0s		LR	LR		
MLOA	Mauna Loa Obs	48.57 52	PFAKE	LR	21 11 20.0	+1.4
MLOA	comp=Z,31um,22.0s		LR	LR		
HLP	Hilina Pali	48.64 52	PFAKE	LR	21 11 20.0	+1.4
HLP	comp=Z,34um,21.0s		LR	LR		
HMH	Humu'ula Sheep	48.68 52	eP	P	21 11 07.6	+1.0
HMH	comp=Z,618nm,1.0s		LR	LR		
HMH	comp=Z,33um,21.0s		LR	LR		
MLH	Mauna Loa	48.70 52	eP	P	21 11 07.0	+0.4
MLH	comp=Z,407nm,1.2s		LR	LR		
MLH	comp=Z,29um,20.0s	48.70 52	eP	P	21 11 07.0	+0.4
MLH	Mauna Loa	48.70 52	eP	P	21 11 07.0	+0.4
MLH	comp=Z,407nm,1.2s		MLR	MLR		
MHA	Mahukona	48.70 51	eP	P	21 11 06.1	-0.2
MHA	Matukona	48.70 51	eP	P	21 11 06.1	-0.2
SDHHI	Sand Hill	48.71 52	PFAKE	LR	21 11 20.0	+1.3
SDHHI	comp=Z,35um,21.0s		LR	LR		
WRMH	West Rim	48.71 52	PFAKE	LR	21 11 20.0	+1.3
WRMH	comp=Z,35um,22.0s		LR	LR		
RIM	Rim	48.73 52	PFAKE	LR	21 11 20.0	+1.3
RIM	comp=Z,34um,22.0s		LR	LR		
UWE	Uwekahuna	48.73 52	PFAKE	LR	21 11 20.0	+1.3
UWE	comp=Z,34um,22.0s		LR	LR		
KHLH	Kahului Airpor	48.73 50	eP	P	21 11 04.4	-2.1
KHLH	comp=Z,343nm,1.1s		LR	LR		
KHLH	comp=Z,28um,18.0s	48.73 52	PFAKE	LR	21 11 20.0	+1.3
NPH	North Pit	48.73 52	PFAKE	LR	21 11 20.0	+1.3
NPH	comp=Z,34um,22.0s		LR	LR		
OBL	Observatory Le	48.73 52	PFAKE	LR	21 11 20.0	+1.3
OBL	comp=Z,36um,22.0s		LR	LR		
KKO	Keanakako i	48.73 52	PFAKE	LR	21 11 20.0	+1.3
KKO	comp=Z,33um,21.0s		LR	LR		
POHA	Pohakuloa	48.73 51	eP	P	21 11 05.6	-1.3
POHA	comp=Z,458nm,1.1s		LR	LR		
POHA	comp=Z,33um,22.0s		LR	LR		
UWB	Uwekahuna B	48.74 52	PFAKE	LR	21 11 20.0	+1.3
UWB	comp=Z,41um,22.0s		LR	LR		
BYL	Byron's Ledge	48.74 52	PFAKE	LR	21 11 20.0	+1.3
BYL	comp=Z,38um,20.0s		LR	LR		
SBLHI	Steaming Bluff	48.75 52	PFAKE	LR	21 11 20.0	+1.3
SBLHI	comp=Z,33um,21.0s		LR	LR		
HATHI	Halema'uma'u T	48.75 52	PFAKE	LR	21 11 20.0	+1.3
HATHI	comp=Z,36um,22.0s		LR	LR		
PUH	Puauhi	48.76 52	PFAKE	LR	21 11 20.0	+1.3
PUH	comp=Z,33um,21.0s		LR	LR		
HPAH	Hawaii Prepara	48.77 51	eP	P	21 11 06.7	-0.3
HPAH	comp=Z,208nm,0.9s		LR	LR		
HLK	Haleakala	48.78 50	eP	P	21 11 06.4	-0.9
HLK	comp=Z,641nm,1.4s		LR	LR		
STCH	Steam Cracks	48.84 52	PFAKE	LR	21 11 20.0	+1.2
STCH	comp=Z,30um,21.0s		LR	LR		
NPOC	North of Pu'u	48.85 52	PFAKE	LR	21 11 20.0	+1.2
NPOC	comp=Z,31um,21.0s		LR	LR		
JCUZ	Jacuzzi	48.85 52	PFAKE	LR	21 11 20.0	+1.2
JCUZ	comp=Z,34um,22.0s		LR	LR		
KLBR	Kellerberrin	48.87 238	P	P	21 11 06.8	-0.8
KLBR	Kellerberrin	49.07 279	P	P	21 11 13.6	+4.2
SGKI	Sangatta, Kali	49.20 298	eP	P	21 11 03.2	-7.0
AUQP	San Andres	49.34 297	eP	P	21 11 11.0	-0.3
OTRP	Odiong	49.47 279	P	P	21 11 13.0	+0.6
SMKI	Samarinda	49.52 239	P	P	21 11 12.2	-0.5
BLDU	Balidu	49.52 239	P	P	21 11 12.2	-0.5
CUYO	Cuyo Island	49.58 294	eP	P	21 11 14.3	+1.0
NKB	Balikpapan	49.58 278	P	P	21 11 14.0	+0.7
KWB	Kuching (SRO)	49.63 236	eP	P	21 11 13.0	-0.3
NWA0	Narogin (SRO)	49.63 236	eP	P	21 11 12.4	-1.0
NWA0	comp=Z,720nm,1.1s		LR	LR		
NWA0	comp=Z,133um,21.0s		LR	LR		
NWA0	Narogin (SRO)	49.63 236	eP	P	21 11 12.4	-1.0
NWA0	comp=Z,721nm,1.1s		MLR	MLR		
NWA0	comp=Z,133um,21.0s		MLR	MLR		
NWA0	Narogin (SRO)	49.63 236	P	P	21 11 13.1	-0.2
NWA0	SNR=18		P	P	21 11 13.1	-0.3
NWA0	comp=Z,423nm,1.0s,comp=Z,303,slow=6.4,SNR=72		PP	PP	21 13 07.9	0.0
NWA0	comp=Z,86nm,1.2s,comp=Z,309,slow=7.0,SNR=3.1		PP	PP	21 11 15.2	+1.4
GQP	Guinayangan	49.66 2991	eP	P	21 11 15.2	+1.4
MORW	Morawa	49.79 241	eP	P	21 11 16.6	-0.1
MORW	comp=Z,50,SNR=97		LR	LR		
MORW	Morawa	49.79 241	eP	P	21 11 13.4	-1.2
MORW	comp=Z,539nm,1.0s		LR	LR		
MORW	comp=Z,114um,18.0s		LR	LR		
KBKI	Kotabaru	49.86 275	P	P	21 11 10.8	-4.6
DNP	Denpasar	49.94 268	P	P	21 11 15.4	-0.6
BOAC	Boac	49.98 298	eP	P	21 11 14.2	-2.1
SRII	Singaraja	50.01 269	P	P	21 11 16.6	0.0
TSM	Tawau	50.13 285	P	P	21 11 18.2	+0.8

SJMP	San Jose	50.17 296	eP	P	21 11 17.7	0.0
MUN	Mundaring	50.24 237	P	P	21 11 17.9	-0.2
RKGY	Rocky Gully	50.27 234	P	P	21 11 18.8	+0.6
JHUZ	JHUZ	50.38 331	PFAKE	LR	21 11 30.0	+1.1
JHUZ	Mitsune	50.38 331	PFAKE	LR	21 11 30.0	+1.1
JHJ	Hachijo jima 2	50.41 331	P	P	21 11 18.8	-0.4
JHJ	comp=Z,28um,18.0s		LR	LR		
POLP	Polillo Island	50.48 299	eP	P	21 11 17.2	-2.8
GIRL	Giralia	50.57 250	P	P	21 11 22.3	+1.6
GIRL	comp=Z,50,SNR=8.2		P	P	21 11 19.8	-0.8
GIRL	Giralia	50.57 250	eP	P	21 11 19.8	-0.8
GIRL	comp=Z,4um,1.7s		LR	LR		
GIRL	comp=Z,89um,18.0s		LR	LR		
BUSP	Coron	50.79 295	eP	P	21 11 19.2	-3.2
JAGI	Jajag, Banyuw	51.01 268	eP	P	21 11 21.5	-2.6
JAGI	comp=Z,484nm,1.0s		LR	LR		
JAGI	comp=Z,24um,22.0s		LR	LR		
JAGI	Jajag, Banyuw	51.01 268	P	P	21 11 24.4	+0.3
JAGI	Tagaytay City	51.05 298	P	P	21 32 34.3	
JAGI	comp=Z,21um,19.9s,comp=Z,116,slow=36		P	P	21 11 24.6	-0.5
ENPP	El Nido	51.15 294	eP	P	21 11 25.1	+0.8
PALM	Palanan	51.19 302	eP	P	21 11 27.5	+0.6
KMMI	Kaliangnet	51.38 270	P	P	21 11 26.7	+0.6
KMMI	comp=Z,55nm,1.2s,comp=Z,936nm		P	P	21 11 28.8	+0.2
MTKI	Muara Teweh, K	51.60 278	P	P	21 11 28.8	+0.2
MTKI	comp=Z,76nm,1.0s,comp=Z,4um		P	P	21 11 28.4	-1.1
GMJI	Gumukmas	51.73 268	P	P	21 11 36.1	+4.1
GMJI	comp=Z,204nm,1.1s,comp=Z,4um		P	P	21 11 33.5	0.0
SGCP	Mt. Cagua	52.09 303	eP	P	21 11 38.4	+0.5
KKM	Kota Kinabalu	52.25 286	eP	P	21 11 34.0	+0.5
KKM	comp=Z,578nm,1.5s		LR	LR		
KKM	comp=Z,21um,21.0s		P	P	21 11 32.8	-1.4
KKM	Kota Kinabalu	52.25 286	P	P	21 11 46.8	+1.1
JOW	Kunigami	52.39 316	eP	P	21 11 40.5	+4.1
JOW	comp=Z,176nm,1.2s		P	P	21 11 45.6	+7.5
APYP	Conner	52.57 303	eP	P	21 11 41.4	+1.3
SCZP	Santa Cruz	52.70 305	eP	P	21 19 08.2	-2.2
GRJI	Greisk	52.86 270	eP	P	21 24 49.3	
ABRA	Dolores	52.90 302	eP	P	21 27 06.6	
TAOE	Nuku Hiva Isla	53.15 93	eP	P	21 21 41.9	+0.3
TAOE	comp=Z,244nm,1.3s		eS	S	21 11 42.9	+0.3
TAOE	comp=Z,12um,26.6s		eLQ	LQ	21 11 41.7	-0.8
TAOE	comp=Z,93um,24.7s		eLR	LR	21 21 06.9	
TAOE	comp=Z,18um,24.7s		eLR	LR	21 21 06.9	
PWJI	Pagerwojo	53.37 268	P	P	21 11 41.9	+0.3
TBJI	Tambak Boyo	53.49 270	P	P	21 11 42.9	+0.3
INU	Inuyama	53.54 331	eP	P	21 11 41.7	-0.8
INU	comp=Z,31nm,1.3s		LR	LR		
NGJI	Ngawi	53.79 269	P	P	21 11 45.2	+0.4
MJAR	Matsushiro Arr	53.96 332	P	P	21 11 45.3	-0.3
MJAR	comp=Z,63nm,1.0s,comp=Z,169,slow=7.4,SNR=43		P	P	21 11 44.9	-0.6
MAJO	Matsushiro	53.96 332	eP	P	21 11 44.4	-1.2
MAJO	comp=Z,206nm,0.9s		LR	LR		
MAJO	comp=Z,39um,21.0s		P	P	21 11 44.4	-1.2
MAJO	Matsushiro	53.96 332	P	P	21 11 44.6	-1.0
MAT	Matsushiro	53.96 332	S	S	21 19 21.8	+1.3
PCJI	Pacitan	53.96 268	P	P	21 11 45.9	-0.1
MJB9	Matsu-Tunnel	53.96 332	eP	P	21 11 45.5	-0.1
MJB9	comp=Z,219nm,1.0s		LR	LR		
MJB9	comp=Z,43um,21.0s		P	P	21 11 48.4	+0.2
WOJI	Wonogiri, Jawa	54.26 268	P	P	21 11 49.5	+0.4
WOJI	comp=Z,310nm,1.1s,comp=Z,25um		P	P	21 11 50.2	+1.1
PBKI	Pangkalan Bun	54.39 275	P	P	21 11 49.0	-2.0
BTM	Bintulu	54.39 282	eP	P	21 11 49.0	-2.0
UGM	Wanagama	54.64 268	eP	P	21 11 51.0	0.0
UGM	comp=Z,684nm,1.1s		LR	LR		
UGM	comp=Z,24um,22.0s		P	P	21 11 51.0	0.0
UGM	Wanagama	54.64 268	P	P	21 11 50.3	-0.8
UGM	comp=Z,670nm,1.2s,comp=Z,8um		P	P	21 11 50.3	-0.8
YOJ	Yonaguni jima	54.69 311	eP	P	21 11 50.3	-0.8
YOJ	comp=Z,576nm,1.4s		LR	LR		
YOJ	comp=Z,45um,20.0s		P	P	21 11 50.3	-0.8
YOJ	Yonaguni jima	54.69 311	eP	P	21 11 50.3	-0.8
YOJ	comp=Z,576nm,1.4s		MLR	MLR		
SMRI	Semarang	54.84 269	eP	P	21 11 50.9	-1.5
SMRI	comp=Z,825nm,1.2s		LR	LR		
SMRI	comp=Z,18um,22.0s		P	P	21 11 52.7	+0.3
SMRI	Semarang	54.84 269	P	P	21 11 53.8	+0.1
SMRI	comp=					







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9d 21h									
EGAK	Eagle	85.25	20	eP	P	21 14 59.0	+1.1		
EGAK	comp=Z,119nm,0.8s			LR	LR				
J05D	Fort Rock	85.29	44	P	P	21 14 59.6	+0.7		
MURC	Murrieta	85.33	55	P	P	21 14 59.1	0.0		
YERR	Yerington	85.33	49	eP	P	21 15 00.1	+0.8		
YERR	comp=Z,112nm,1.5s			LR	LR				
TOLK	Toolik Lake Re	85.37	15	eP	P	21 14 56.9	-1.7		
TOLK	comp=Z,25um,21.0s			LR	LR				
TOLK	Toolik Lake Re	85.37	15	P	P	21 14 57.0	-1.6		
BOK	Bokaro	85.39	295	eP	P	21 14 57.2	-2.4		
BOK	comp=Z,687nm,3.3s			IAMB	IAMB	21 14 58.8			
DAWY	Dawson	85.42	21	eP	P	21 14 59.7	+0.8		
DAWY	comp=Z,80nm,1.1s			LR	LR				
CWC	Cottonwood Cre	85.44	52	P	P	21 15 00.1	+0.3		
PAF	Port-aux-Franc	85.45	221	PFAKE	LR	21 15 10.0	+11		
PAH	Pah Rah Range	85.45	48	eP	P	21 15 00.7	+0.9		
LRMC	Laurel Mtn Rad	85.47	53	P	P	21 15 00.4	+0.5		
MOD	Modoc Plateau	85.48	46	eP	P	21 15 00.6	+0.8		
BAR	Barrett	85.49	56	PFAKE	LR	21 15 10.0	+10		
BAR	comp=Z,24um,20.0s			LR	LR				
E04D	Cinebar	85.54	41	P	P	21 15 00.6	+0.8		
RAMN	Ramite	85.54	298	eP	P	21 15 00.1	-0.5		
D03D	Eldon	85.56	40	P	P	21 15 00.7	+0.8		
I05D	Terrebonne, OR	85.58	43	P	P	21 15 00.6	+0.4		
PINE	Pine Mountain	85.66	44	eP	P	21 15 02.2	+1.4		
PINE	comp=Z,62nm,1.0s			LR	LR				
PGC	Sidney	85.74	39	eP	P	21 15 00.7	0.0		
MONP2	Monument Peak	85.75	56	P	P	21 15 02.0	+0.6		
RYN	Ryan	85.76	50	eP	P	21 15 02.0	+0.7		
RYN	comp=Z,133nm,1.5s			LR	LR				
DAC	Darwin (Calif)	85.77	52	eP	P	21 15 02.2	+0.7		
DAC	comp=Z,110nm,1.5s			LR	LR				
DAC	Darwin (Calif)	85.77	52	eP	P	21 15 02.2	+0.7		
MPMC	Manual Prospec	85.79	52	P	P	21 15 01.9	+0.3		
RRX	Edison Barstow	85.84	53	P	P	21 15 02.0	+0.4		
NV01	Mina Array Sit	85.86	50	eP	P	21 15 02.0	+0.1		
NV01	comp=Z,17nm,0.9s,baz=233,slow=8.3,SNR=42			P	P	21 15 02.7	+0.8		
NVAR	Mina Array Bea	85.86	50	P	P	21 41 09.6	+0.6		
NVAR	comp=Z,1.4nm,0.9s,baz=92,slow=2.2,SNR=3.1			LR	LR	21 44 49.2			
G05D	Wamic, OR	85.90	43	P	P	21 15 02.1	+0.5		
PFO	Pinyon Flats O	85.92	55	eP	P	21 15 03.0	+0.8		
PFO	comp=Z,53nm,1.3s			LR	LR				
PFO	Pinyon Flats O	85.92	55	eP	P	21 15 03.0	+0.8		
PFO	comp=Z,22um,21.6s,baz=260,slow=30			LR	LR	21 45 20.6			
XPFO	Pion Flat	85.92	55	eP	P	21 15 03.0	+0.8		
XPFO	comp=Z,52nm,1.2s			LR	LR				
IKP	In-Ko-Pah, Jac	85.94	56	P	P	21 15 02.8	+0.6		
NV11	Mina Array Sit	85.97	50	eP	P	21 15 03.0	+0.7		
NV11	comp=Z,139nm,1.5s			LR	LR				
F05D	White Salmon	86.02	42	P	P	21 15 02.8	+0.5		
TIXI	Tiksi	86.03	349	eP	P	21 15 01.1	-0.6		
TIXI	comp=Z,122nm,1.4s			LR	LR				
TIXI	Jiri	86.07	299	eP	P	21 15 03.1	-0.2		
LON	Longmire	86.09	41	eP	P	21 15 02.8	+0.2		
LON	comp=Z,33nm,1.2s			LR	LR				
LON	Longmire	86.09	41	eP	P	21 15 02.8	+0.2		
LON	comp=Z,16um,20.0s			MLR	MLR				
GSC	Goldstone, Bar	86.11	53	eP	P	21 15 03.9	+0.9		
GSC	comp=Z,33nm,1.2s			MLR	MLR				
GSC	Goldstone, Bar	86.11	53	eP	P	21 15 03.9	+0.9		
GSC	comp=Z,22um,22.0s			LR	LR				
GSC	Goldstone, Bar	86.11	53	eP	P	21 15 03.4	+0.3		
D05A	Enumclaw	86.13	41	eP	P	21 15 03.9	+1.2		
D05A	comp=Z,154nm,1.2s			LR	LR				
GRAC	Grapevine Rang	86.15	51	P	P	21 15 03.8	+0.6		
KVN	Kaiserville	86.20	49	eP	P	21 15 04.0	+0.6		
KVN	comp=Z,20um,22.0s			LR	LR				
KVN	Kaiserville	86.20	49	eP	P	21 15 04.1	+0.6		
KVN	comp=Z,55nm,1.2s			MLR	MLR				
A04D	Lummi Island	86.22	39	P	P	21 15 03.9	+0.8		
DLBC	Dease Lake	86.27	28	eP	P	21 15 04.6	+1.3		
DLBC	comp=Z,45nm,1.3s			LR	LR				
SWSC	Sam W. Stewart	86.27	56	P	P	21 15 04.3	+0.6		
HEC	Hector, Ludlow	86.35	54	P	P	21 15 04.2	0.0		
FURC	Furnace Creek	86.39	52	P	P	21 15 05.0	+0.7		
BELC	Belle Mtn, Jos	86.39	55	P	P	21 15 04.8	+0.3		
GUNO	Gumbie	86.40	299	eP	P	21 15 04.5	-0.4		
B05A	Bryant	86.44	40	P	P	21 15 04.9	+0.7		
PALK	Pallekete	86.67	278	eP	P	21 15 07.2	+1.0		
PALK	comp=Z,104nm,1.3s			LR	LR				
PALK	Pallekete	86.67	278	eP	P	21 15 07.2	+1.0		
PALK	comp=Z,11um,14.0s			LR	LR				
PALK	Pallekete	86.67	278	eP	P	21 15 06.7	+0.5		
PALK	SNR=7.1			P	P	21 15 06.7	+0.5		
SHOC	Shoshone, Teco	86.69	53	P	P	21 15 06.1	+0.3		
PKI	Pulchoki	86.72	299	eP	P	21 15 05.6	-0.9		
PKIN	Phulchoki	86.73	299	eP	P	21 15 05.7	-0.8		

I07A	lzee	86.74	44	eP	P	21 15 06.5	+0.6		
I07A	comp=Z,139nm,1.2s			LR	LR				
BC3	Big Chuckawall	86.74	55	P	P	21 15 06.6	+0.4		
WVOR	Wild Horse Val	86.83	46	eP	P	21 15 07.2	+0.8		
WVOR	comp=Z,83nm,1.1s			LR	LR				
WVOR	Wild Horse Val	86.83	46	eP	P	21 15 07.2	+0.8		
WVOR	comp=Z,13um,19.0s			MLR	MLR				
WVOR	comp=Z,83nm,1.1s			MLR	MLR				
TUQ	Turquoise Moun	86.84	53	P	P	21 15 06.9	+0.2		
GMRC	Granite Mounta	86.87	54	P	P	21 15 07.0	+0.1		
DMN	Daman	86.89	299	eP	P	21 15 07.2	-0.5		
LTY	Liberty	87.00	41	eP	P	21 15 07.5	+0.4		
LTY	comp=Z,14um,20.0s			LR	LR				
TPNV	Topopah Spring	87.00	52	eP	P	21 15 10.0	+2.5		
TPNV	comp=Z,150nm,1.6s			LR	LR				
TPNV	Topopah Spring	87.00	52	eP	P	21 15 10.0	+2.5		
TPNV	comp=Z,33um,22.0s			P	P	21 15 07.8	+0.3		
F07A	Phinny Hill Vi	87.02	42	eP	P	21 15 08.6	+1.4		
F07A	comp=Z,45nm,1.1s			LR	LR				
C06D	Leavenworth	87.08	40	P	P	21 15 08.6	+1.2		
GLA	Glamis	87.09	56	eP	P	21 15 09.4	+1.6		
GLA	comp=Z,64nm,1.0s			LR	LR				
GLA	Glamis	87.09	56	eP	P	21 15 08.4	+0.6		
GLA	comp=Z,24um,20.0s			P	P	21 15 08.2	+0.3		
IRM	Iron Mountain	87.12	55	P	P	21 15 08.8	+0.5		
J08A	Circle Bar Ran	87.22	45	eP	P	21 15 08.8	+0.5		
J08A	comp=Z,59nm,1.1s			LR	LR				
BMN	Battle Mountai	87.25	48	eP	P	21 15 09.3	+0.7		
BMN	comp=Z,9um,18.0s			LR	LR				
BMN	Battle Mountai	87.25	48	eP	P	21 15 09.3	+0.7		
BMN	comp=Z,9um,18.0s			MLR	MLR				
LDFC	Landfair	87.39	54	PFAKE	LR	21 15 20.0	+11		
LDFC	comp=Z,16um,19.0s			LR	LR				
LLL	Lillooet	87.40	37	eP	P	21 15 09.4	+0.5		
LLL	comp=Z,26nm,0.9s			LR	LR				
HAWA	Hanford	87.45	42	eP	P	21 15 09.6	+0.4		
HAWA	comp=Z,47nm,1.1s			LR	LR				
G08A	Pilot Rock	87.49	43	eP	P	21 15 10.1	+0.5		
G08A	comp=Z,16um,22.0s			LR	LR				
Y12C	Blythe	87.51	55	eP	P	21 15 11.0	+1.2		
Y12C	comp=Z,14um,20.0s			LR	LR				
Y12C	Blythe	87.51	55	eP	P	21 15 10.2	+0.4		
Y12C	comp=Z,23um,21.0s			P	P	21 15 10.5	+0.6		
EPYK	Eagle Plains	87.68	20	eP	P	21 15 10.6	+0.6		
EPYK	comp=Z,136nm,1.3s			LR	LR				
EPYK	Eagle Plains	87.68	20	eP	P	21 15 10.6	+0.6		
EPYK	comp=Z,19um,20.0s			P	P	21 15 11.0	+1.2		
NEE2	Needles Airpor	87.70	54	P	P	21 15 11.0	+0.3		
SHPR	Sheep Range	87.72	52	eP	P	21 15 12.1	+1.2		
SHPR	comp=Z,122nm,1.6s			LR	LR				
E08A	Dider Farm, EI	87.80	42	eP	P	21 15 12.4	+1.6		
E08A	comp=Z,28um,22.0s			LR	LR				
SRIG	Santa Rosalia	87.86	62	PFAKE	LR	21 15 20.0	+8.4		
SRIG	comp=Z,20um,21.0s			LR	LR				
R11A	Mohawk Valley	87.88	56	eP	P	21 15 12.7	+1.1		
R11A	comp=Z,54nm,1.8s			LR	LR				
R11A	Troy Canyon, C	87.89	50	eP	P	21 15 12.2	+0.5		
R11A	comp=Z,48nm,1.4s			LR	LR				
R11A	Troy Canyon, C	87.89	50	eP	P	21 15 11.8	+0.1		
R11A	comp=Z,38um,22.0s			P	P	21 15 12.5	+0.6		
PDMCI	Parker Dam, Lak	87.96	55	P	P	21 15 12.8	+0.7		
PDMCI	comp=Z,25um,16.0s			LR	LR				
D08A	Wollman Farm,	88.06	41	eP	P	21 15 12.8	+0.7		
D08A	comp=Z,64nm,1.4s			LR	LR				
B08A	Colville Reser	88.21	40	eP	P	21 15 13.0	+0.2		
B08A	comp=Z,18um,20.0s			LR	LR				
B08A	comp=Z,66nm,1.4s			LR	LR				
MDRS	Chennai	88.26	284	eP	IAMB	21 15 12.1	-1.6		
MDRS	comp=Z,433nm,2.9s			IAMB	IAMB	21 15 17.2			
DANN	Dangsing	88.32	299	eP	P	21 15 12.8	-1.3		
DANN	comp=Z,99nm,0.9s			P	P	21 15 12.8	-1.3		
KOLN	Koldanda	88.32	299	eP	P	21 15 15.2	+1.1		
KOLN	comp=Z,17nm,1.0s			LR	LR				
W13A	Hualapai Mount	88.36	54	eP	P	21 15 15.2	+1.1		
W13A	comp=Z,128nm,1.7s			LR	LR				



KSH		PP	PP	21 19 55.2 +7.0	
KSH		SKS	SKS	21 26 32.7 +3.3	
KSH		S	S	21 27 12.0 -2.4	
KSH		SS	SS	21 33 52.3 +2.2	
KSH	comp=Z,7.0nm,0.7s	pmx	pmx		
KSH	comp=Z,620nm,6.9s	pmx	pmx		
KSH	comp=Z,11µm,17.9s	LR	LR		
KSH	comp=Z,10µm,18.4s	LR	LR		
KSH	comp=Z,10µm,14.9s	LR	LR		
NRN	Naryn	97.07 311	PFAKE	LR 21 16 10.0 +16	
MSTX	Muleshoe	97.13 57	PFAKE	LR 21 16 10.0 +15	
KUU	Kurty	97.17 313c	iP	P 21 15 51.6 -2.7	
KUU		e	pmx	21 19 49.3	
KUU	comp=Z,89nm,1.0s	iP	P	21 15 51.7 -2.6	
KUU	comp=Z,89nm,1.0s	ePP	PP	21 19 49.3 -1.5	
KUU	comp=Z,2µm,15.9s	eLR	LR	22 01 14.0	
SNA	Sanae	97.21 184	P	P 21 15 51.1 -3.0	
SNA	Sanae	97.21 184	P	P 21 15 52.9 -1.2	
SNA	Sanae	97.21 184	eP	P 21 15 52.9 -1.2	
SNA	Sanae	97.21 184	pmx	pmx	
SNA	Sanae	97.21 184	LR	LR 21 59 02.4	
RSSD	Black Hills	97.58 47	PFAKE	LR 21 16 10.0 +13	
VNA3	Neumayer Olymp	97.93 181	P	Pdif 21 15 57.6 +0.3	
KSCO	Kaye Shedlock	97.95 52	PFAKE	LR 21 16 10.0 +12	
DMGT	Dagmar	98.05 42	eP	Pdif 21 16 02.3 +4.1	
DMGT	Dagmar	98.05 42	P	Pdif 21 15 58.5 +0.3	
CRZF	Crozet Islands	98.06 220	PFAKE	LR 21 16 10.0 +12	
AMTX	Amarillo	98.15 56	PFAKE	LR 21 16 10.0 +11	
AMTX	Amarillo	98.15 56	P	Pdif 21 15 59.1 0.0	
NIL	Nilore	98.15 303	eP	P 21 15 58.4 -0.6	
NIL	Nilore	98.15 303	eP	P 21 15 58.4 -0.6	
NIL	Nilore	98.15 303	pmx	pmx	
NIL	Nilore	98.15 303	MLR	MLR 21 16 04.0 +5.7	
FRU1	Bishkek	98.26 312	PFAKE	LR 21 16 10.0 +11	
FRU	Bishkek	98.26 312	eP	pmx 21 15 58.0 -1.4	
AAK	Ala-Archa	98.34 312	eP	P 21 15 59.7 -0.1	
AAK	Ala-Archa	98.34 312c	eP	pmx 21 32 31.1 -1.1	
AAK	Ala-Archa	98.34 312	pmx	pmx	
AAK	Ala-Archa	98.34 312	PKKPbc	PKKPbc 21 32 31.1 -1.1	
OGNE	Ogallala	98.64 50	PFAKE	LR 21 15 56.9 -2.8	
OGNE	Ogallala	98.64 50	LR	LR 21 16 10.0 +8.9	
JCT	Junction City	99.15 61	PFAKE	LR 21 16 20.0 +16	
JCT	Junction City	99.15 61	Pdif	Pdif 21 16 03.2 -0.4	
833A	Chaparral WMA	99.23 63	PFAKE	LR 21 16 20.0 +16	
ARSB	Arslanbob	99.31 310	PFAKE	LR 21 16 20.0 +16	
ABTX	Ablene, Hawle	99.55 59	PFAKE	LR 21 16 20.0 +15	
GO10	Punta Arenas	99.90 149	PFAKE	LR 21 16 20.0 +14	
FFC	Flin Flon	100.08 36	PFAKE	LR 21 16 20.0 +13	
FFC	Cedar Bluff	100.16 52	PFAKE	LR 21 16 07.7 +0.6	
FFC	Cedar Bluff	100.16 52	Pdif	Pdif 21 16 20.0 +12	
GO09	Cerro Castillo	100.25 147	PFAKE	LR 21 16 20.0 +12	
KVTX	Kingsville	100.45 64	PFAKE	LR 21 16 20.0 +11	
U32A	Winter Ranch,	100.49 55	PFAKE	LR 21 16 20.0 +11	
WMOK	Wichita Mounta	100.50 57	PFAKE	LR 21 16 20.0 +11	
BTK	Batken	100.82 309	PFAKE	LR 21 16 20.0 +9.2	
MDND	Maddock	101.05 43	PFAKE	LR 21 16 20.0 +8.4	
435B	Jarell	101.08 61	PFAKE	LR 21 16 20.0 +7.9	
GAR	Garm	101.11 308	PFAKE	LR 21 16 20.0 +7.8	
KK31	Karatay Array	101.30 312	ePdif	Pdif 21 16 12.5 -0.3	
KKAR	Karatay Array	101.30 312	ePdif	Pdif 21 16 12.5 -0.3	
WHTX	Lake Whitney,	101.32 59	PFAKE	LR 21 16 12.5 -0.3	
IUG	Iuzhnay	101.58 311	eP	pmx 21 16 12.9 -1.3	
IUG	Iuzhnay	101.58 311	eP	Pdif 21 16 13.0 -1.3	
BGNE	Belgrade	101.61 50	PFAKE	LR 21 16 30.0 +16	
KBL	Kabul	101.72 303	PFAKE	LR 21 16 30.0 +15	
BRVK	Borovoye	102.03 322	ePdif	LR 21 16 14.9 -0.9	
BRVK	Borovoye	102.03 322	eP	MLR 21 16 14.9 -0.9	
KSU1	Kansas State U	102.62 52	PFAKE	LR 21 16 30.0 +11	

ECSD	EROS Data Cent	102.89 47	PFAKE	LR 21 16 30.0 +10
RES	Resolute Bay	102.94 16	ePKKPbc	PKKPbc 21 32 17.8 -1.9
TUL1	Leonard	103.04 56	PFAKE	LR 21 16 30.0 +9.3
MRIV	Mauritius Mete	103.04 246	PFAKE	LR 21 16 30.0 +8.9
X37A	Clayton	103.29 57	PFAKE	LR 21 16 30.0 +8.2
PAYG	Puerto Ayora	103.44 93	PFAKE	LR 21 16 40.0 +17
ULM	Lac du Bonnet	103.60 41	PKIKP	PKIKP 21 20 41.7 +0.5
ULM	Lac du Bonnet	103.60 41	PKIKP	PKIKP 21 20 41.7 +0.5
NATX	Nacogdoches	103.67 60	PFAKE	LR 21 16 40.0 +16
RER	Riviere de l'E	104.35 245	PFAKE	LR 21 16 40.0 +13
CCIG	Comitan	104.38 76	PFAKE	LR 21 16 40.0 +13
FCC	Fort Churchill	104.49 32	PFAKE	LR 21 16 40.0 +13
W39A	Magazine	104.63 56	PFAKE	LR 21 16 40.0 +12
MIAR	Mount Ida	104.76 57	PFAKE	LR 21 16 40.0 +12
SCIA	State Center	105.32 49	PFAKE	LR 21 21 00.0 +15
Z41A	Richland Creek	105.33 58	PFAKE	LR 21 21 00.0 +15
X40A	Basin Creek Fa	105.37 57	PFAKE	LR 21 21 00.0 +15
SPMN	Marine on St.	105.65 46	PFAKE	LR 21 21 00.0 +15
W41B	Gary Mavity, V	105.89 56	PFAKE	LR 21 21 00.0 +14
E38A	The Farm, Brul	106.50 45	PFAKE	LR 21 21 00.0 +13
EYMN	Ely	106.50 43	PFAKE	LR 21 21 00.0 +13
I39A	Houston	106.57 47	PFAKE	LR 21 21 00.0 +13
CCM	Cathedral Cave	106.77 53	PFAKE	LR 21 21 00.0 +13
L40A	Anamosa	106.81 49	PFAKE	LR 21 21 00.0 +13
G006	Curarehue	106.83 137	PFAKE	LR 21 21 00.0 +12
T42A	Van Buren	106.88 55	PFAKE	LR 21 21 00.0 +12
X43A	Marvell	106.99 57	PFAKE	LR 21 21 00.0 +12
EFI	East Falkland	107.00 153	PFAKE	LR 21 21 00.0 +12
N41A	Harden Midland	107.09 51	PFAKE	LR 21 21 00.0 +12
VBMS	Vicksburg	107.21 60	PFAKE	LR 21 21 00.0 +12
PBMO	Poplar Bluff	107.40 55	PFAKE	LR 21 21 00.0 +11
FVM	French Village	107.42 54	PFAKE	LR 21 21 00.0 +11
G40A	Rib Lake	107.48 46	PFAKE	LR 21 21 00.0 +11
P42A	Winchester	107.49 52	PFAKE	LR 21 21 00.0 +11
JFWS	Jewell Farm	107.52 48	PFAKE	LR 21 21 00.0 +11
SLM	Saint Louis	107.57 53	PFAKE	LR 21 21 00.0 +11
I41A	Arkdale	107.76 47	PFAKE	LR 21 21 00.0 +11
MET	Memphis-Engin	107.78 57	PFAKE	LR 21 21 00.0 +11
H41A	Junction City	107.90 47	PFAKE	LR 21 21 00.0 +11
L42A	Oliver, Polo	107.97 49	PFAKE	LR 21 21 00.0 +10
PVMO	Portageville	107.99 55	PFAKE	LR 21 21 00.0 +10
C40A	Isle Royale Na	108.08 43	PFAKE	LR 21 21 00.0 +10
COWI	Conover	108.19 45	PFAKE	LR 21 21 00.0 +10
OXF	Oxford	108.20 57	PFAKE	LR 21 21 00.0 +10
F41A	Three Lakes	108.23 45	PFAKE	LR 21 21 00.0 +10
HDIL	Hopedale	108.28 51	PFAKE	LR 21 21 00.0 +10
SIUC	Southern Illin	108.34 54	PFAKE	LR 21 21 00.0 +10
TULEG	Thule	108.45 12	PFAKE	LR 21 21 00.0 +10
I42A	Draeger Farm,	108.46 47	PFAKE	LR 21 21 00.0 +10
Q44A	Meyer Farm, Va	108.52 53	PFAKE	LR 21 21 00.0 +9.3
D41A	Chassel	108.53 44	PFAKE	LR 21 21 00.0 +10
ARU	Arti	108.63 326	PFAKE	LR 21 21 00.0 +10
ARU	Arti	108.63 326	P	Pdif 21 16 49.9 +4.9
H42A	Shiocton	108.70 47	PFAKE	LR 21 36 37.0 +5.0
G42A	Mountain	108.74 46	PFAKE	LR 21 21 00.0 +9.1

T45A	Paducah	108.83 55	PFAKE	LR 21 21 00.0 +8.7
K43A	Burlington	108.93 49	PFAKE	LR 21 21 00.0 +8.6
147A	Livingston	109.12 59	PFAKE	LR 21 21 00.0 +8.0
M44A	Midewin, Midew	109.20 50	PFAKE	LR 21 21 00.0 +8.1
OLIL	Olney	109.24 53	PFAKE	LR 21 21 00.0 +7.9
H43A	Windswept, Lux	109.25 47	PFAKE	LR 21 21 00.0 +8.1
G43A	Wallace	109.26 46	PFAKE	LR 21 21 00.0 +8.1
PLAL	Pickwick Lake	109.30 57	PFAKE	LR 21 21 00.0 +7.7
P45A	Graceland, Par	109.50 52	PFAKE	LR 21 21 00.0 +7.5
WVT	Waverly	109.50 56	PFAKE	LR 21 21 00.0 +7.4
E43A	Lone Tree Farm	109.66 45	PFAKE	LR 21 21 00.0 +7.4
SFIN	Lafayette	109.96 51	PFAKE	LR 21 21 10.0 +17
WSAR	Wadi Sarin	110.00 291	PKKPbc	PKKPbc 21 31 55.4 -0.9
BRAL	Brewton	110.14 61	PFAKE	LR 21 21 10.0 +16
X48A	Hartselle	110.15 57	PFAKE	LR 21 21 10.0 +16
LRAL	Lakeview Retre	110.20 59	PFAKE	LR 21 21 10.0 +16
V48A	Smith Brothers	110.32 56	PFAKE	LR 21 21 10.0 +16
E44A	Grand Marais A	110.37 44	PFAKE	LR 21 21 10.0 +16
BLO	Bloomington	110.46 52	PFAKE	LR 21 21 10.0 +16
M46A	Old House Fiel	110.47 50	PFAKE	LR 21 21 10.0 +16
JTS	JuntasAbangare	110.53 83	PFAKE	LR 21 21 10.0 +15
PEL	Peledhue	110.55 132	PFAKE	LR 21 21 10.0 +15
GEYT	Alibeck	110.65 306	PKIKP	PKIKP 21 20 55.0 +0.2
GEYT	Alibeck	110.65 306	PKKPbc	PKKPbc 21 31 53.4 -1.3
G40B	ALIBECK ARRAY	110.65 306	PFAKE	LR 21 21 10.0 +15
WCI	Wyandotte Cave	110.67 53	PFAKE	LR 21 21 10.0 +15
Y49A	Blount Mountai	110.68 58	PFAKE	LR 21 21 10.0 +15
Z50A	Ashland	111.10 59	PFAKE	LR 21 21 10.0 +14
451A	Vernon	111.25 61	PFAKE	LR 21 21 10.0 +14
T49A	Edmonton	111.32 54	PFAKE	LR 21 21 10.0 +14
GLMI	Grayingl	111.46 46	PFAKE	LR 21 21 10.0 +14
W50A	Signal Mountai	111.57 56	PFAKE	LR 21 21 10.0 +13
M48A	Edgerton	111.69 50	PFAKE	LR 21 21 10.0 +13
GO04	Tololo Observa	111.88 129	PFAKE	LR 21 21 10.0 +12
352A	Blakely	111.95 60	PFAKE	LR 21 21 10.0 +13
X51A	Calhoun	111.96 57	PFAKE	LR 21 21 10.0 +13
O49A	Covington	112.08 51	PFAKE	LR 21 21 10.0 +11
152A	Waverly Hall	112.12 59	PFAKE	LR 21 21 10.0 +12
N49A	Columbus Grove	112.14 50	PFAKE	LR 21 21 10.0 +13
UOSS	Minazif	112.30 293	PFAKE	LR 21 21 10.0 +12
HOPE	Hope Point	112.30 166	PFAKE	LR 21 21 10.0 +13
V51A	Loudon	112.33 56	PFAKE	LR 21 21 10.0 +12
AAM	Ann Arbor	112.41 49	PFAKE	LR 21 21 10.0 +12
453A	Whigham	112.48 61	PFAKE	LR 21 21 10.0 +12
LCO	Las Campanas	112.49 128	PFAKE	LR 21 21 10.0 +11
ABPO	Ambohianpanom	112.61 244	PFAKE	LR 21 21 10.0 +11
253A	Americus	112.63 60	PFAKE	LR 21 21 10.0 +11
Y52A	Lilburn	112.64 58	PFAKE	LR 21 21 10.0 +11
W52A	Murphy	112.70 57	PFAKE	LR 21 21 10.0 +11
OPO	Ambohadratomp	112.80 244	PKIKP	PKIKP 21 21 00.2 +0.6
TKL	Tuckaleehee C	112.80 56	PFAKE	LR 21 21 10.0 +11
S51A	Beattyville	112.84 54	PFAKE	LR 21 21 10.0 +11
O51A	Peebles	112.93 52	PFAKE	LR 21 21 10.0 +11
V52A	Sevierville	112.94 56	PFAKE	LR 21 21 10.0 +11
M50A	Fremont	112.95 50	PFAKE	LR 21 21 10.0 +11



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NC602, AKASG, AKBB, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MLR, MUR, MUR, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CLL, CLL, CLL, etc.









Table with columns: Code, Name, Time, Status, and other details. Includes entries like San Jose, Mundaring, Giralia, etc.

Table with columns: Code, Name, Time, Status, and other details. Includes entries like GYA, GYA, GYA, etc.

Table with columns: Code, Name, Time, Status, and other details. Includes entries like POKR, MOY, MOY, etc.











9d 23h

Table with columns: ZALV, Zalesovo Beam, 156.37, 3 epKPab, PKPab, 23 20 21.0 +0.1, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

ISCJB 09 23:06:28.6:0.5, 3.41N, 0.06:124.32E:0.09, h40km, mb3.4/7, Error ellipse: s-maj=13.0km s-min=7.3km az=163.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

ISCJB 09 23:09:39.6:0.5, 10.99S, 166.01E, h0km, mb4.7/21, mb1.4/8/23, mb1mx4.7/34, mbmp4.7/23, ML5.3/2, MS4.7/15, Ms1.4/8/15, ms1mx4.5/39, Error ellipse: s-maj=18.2km s-min=13.2km az=101.0

ISCJB 09 23:09:40.5:0.2, 11.02S, 0.03:165.89E:0.03, h10km, mb5.0/68, MS5.2/9, Error ellipse: s-maj=4.7km s-min=4.0km az=177.0

NEIC 09 23:09:41.6:0.3, 10.92S, 165.91E, h10km, mb5.5/29, MS5.2/95, Error ellipse: s-maj=7.4km s-min=5.3km az=76.0

BUI 09 23:09:42.0, 11.14S, 165.95E, h23km, mB5.4/33, mb4.9/43, MS5.4/35, MS7.5/134

MOS 09 23:09:44.3:1.3, 10.87S, 165.75E, h33km, mb5.2/20, MS5.0/7, Error ellipse: s-maj=11.1km s-min=9.2km az=134.8

GCMT 09 23:09:45.7:0.2, 10.97S, 0.01:165.89E:0.01, h12km, MW5.5/34, Moment Tensor Solution, s36,c40, s94,c138; Duration: 1st Moment tensor: Scale 10^17Nm; Mw=2.11±.05; Mo=0.87±.19; Best double couple: M2.37500x10^17 Np1.171.00000°, 887.00000°, -1.230000°. NP2.262.00000°, 667.00000°, -1.77.00000°. Principal axes: T 2.5170, P1g14.0000°, Azm219.0000°; N -0.2820, P1g67.0000°, Azm345.0000°; P -2.2340, P1g18.0000°, Azm124.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 09 23:09:41.9:0.3, 10.99S, 0.05:165.97E:0.05, h10km, n351, s199/251, mb5.2/74, MS5.2/116, 19C-15D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

2013 FEB

Main table with columns: CTA, Charters Tower, 21.02 242, P, 23 14 25.9 -0.1, etc.

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Table with columns: NWAO, Narrogin (SRO), 49.68 236, P, 23 18 34.3 0.0, etc.

CHTO	Chiang Mai	72.41 294	P	P	23 21 11.1 +2.2
HIA	Hailar	72.43 330	PFAKE	LR	23 21 20.0 +1.2
HIA	Hailar	72.43 330	i P	P	23 21 11.3 +2.9
CD2	Chengdu	72.75 307	i P	P	23 21 10.5 -0.2
CD2			pmx	pmx	
CD2			pmx	pmx	
SEY	Seymchan	74.44 354	i P	P	23 21 19.1 -0.8
SEY	Seymchan	74.44 354	P	P	23 21 19.4 -0.5
LZH	Lanzhou	74.88 312	eP	P	23 21 25.0 +1.7
LZH			sP	P	23 21 29.0 +1.8
LZH			sP	P	23 21 32.1 +4.8
LZH			PP	P	23 24 14.9 +3.9
LZH			pmx	pmx	
LZH			pmx	pmx	
LZH			LR	LR	
LZH			LR	LR	
LZH			LR	LR	
LZH			LR	LR	
ULNV	Ulanbaatar	78.39 324	i P	P	23 21 42.0 -0.8
ULNV			pmx	pmx	
SONM	Songino Array	78.75 324	P	P	23 21 43.6 -1.2
BILL	Bilibino	78.82 0	PFAKE	LR	23 22 00.0 +1.5
BILL	Bilibino	78.82 0	eP	P	23 21 43.6 -1.0
BILL	Bilibino	78.82 0	eP	P	23 21 53.6 -1.0
BILL	Bilibino	78.82 0	eP	P	23 24 45.2
BILL			pmx	pmx	
BILL			MLR	MLR	
QSPA	South Pole Qui	79.02 180	eP	P	23 21 45.8 -0.2
QSPA			LR	LR	
GTA	Goat'ai	79.18 314	eP	P	23 21 45.0 -2.4
GTA			sP	P	23 21 51.9 +0.7
GTA			sP	P	23 21 54.9 -0.8
GTA			pmx	pmx	
GTA			LR	LR	
GTA			LR	LR	
GTA			LR	LR	
BOD	Bodaibo	80.57 335	eP	P	23 21 54.0 -0.3
BOD			pmx	pmx	
SHK	Shilong	80.69 298	eP	P	23 22 02.0 +6.1
ZAK	Zakamensk	81.78 325	eP	P	23 22 01.5 +0.4
ZAK			pmx	pmx	
TLY	Talaya	82.20 326	PFAKE	LR	23 22 10.0 +6.9
TLY			LR	LR	
TLY			i P	P	23 22 02.0 -1.1
LSA	Lhasa	82.51 302	PFAKE	LR	23 22 20.0 +1.4
LSA			LR	LR	
O02D	Mt. Diablo Mer	83.09 47	P	P	23 22 09.7 +1.6
HDA	Harding Lake	83.12 19	P	P	23 22 07.5 -0.1
COL	CIGO, UAF Yank	83.16 18	P	P	23 22 07.6 -0.2
COL	College	83.16 18	PFAKE	LR	23 22 20.0 +1.2
COL	College	83.16 18	i P	P	23 22 06.8 -1.0
COL	College	83.16 18	pmx	pmx	
K02D	Willamette Mer	83.38 44	P	P	23 22 10.6 +1.1
ILAR	Eielson Array	83.39 18	P	P	23 22 07.9 -1.1
O03E	Paynes Creek	83.84 47	P	P	23 22 13.5 +1.5
M04C	Macdoel	84.32 46	P	P	23 22 14.8 +0.3
I04A	Tendick Farm,	84.62 44	P	P	23 22 16.5 +0.7
NLWA	Neilton Lookou	84.98 40	PFAKE	LR	23 22 30.0 +1.2
J05D	Fort Rock, OR	85.25 44	P	P	23 22 19.7 +0.5
E04C	Cottonwood Cre	85.39 52	P	P	23 22 20.7 +0.6
CWD	Cinebar	85.50 41	P	P	23 22 21.3 +1.2
D03D	Eldon	85.52 40	P	P	23 22 21.1 +0.9
I05D	Terrebonne, OR	85.54 43	P	P	23 22 21.4 +1.0
RAMN	Ramite	85.62 298	eP	P	23 22 21.7 +0.2
NVAR	Mina Array Bea	85.81 50	P	P	23 22 21.8 -0.4
NVAR			LR	LR	23 25 43.1
PFO	Pinyon Flats O	85.87 55	PFAKE	LR	23 22 30.0 +7.6
TIXI	Tiksi	86.08 349	i P	P	23 22 20.0 -2.4
TIXI			pmx	pmx	
GRAC	Grapevine Rang	86.11 51	P	P	23 22 24.5 +1.1
JIRN	Jiri	86.16 299	eP	P	23 22 24.3 0.0
A04C	Lummi Island	86.19 39	P	P	23 22 24.4 +1.0
B04D	Belle Mtn. Jos	86.34 55	P	P	23 22 25.7 +0.9
B05A	Bryant	86.41 40	P	P	23 22 25.2 +0.7
GUN	Gumba	86.48 299	eP	P	23 22 25.9 0.0
PKI	Pulchoki	86.81 299	eP	P	23 22 26.4 -1.0
PKIN	Phulchoki	86.82 299	eP	P	23 22 27.4 0.0
GLA	Glamis	87.03 56	P	P	23 22 29.2 +1.1
IRM	Iron Mountain	87.07 55	P	P	23 22 28.6 +0.4
DMN	Daman	87.08 299	eP	P	23 22 28.7 +0.1
HAWA	Hanford	87.42 42	PFAKE	LR	23 22 40.0 +1.0
R11A	Troy Canyon, C	87.84 50	P	P	23 22 32.9 +0.9
PDMCI	Parker Dam, Lak	87.91 55	P	P	23 22 33.3 +1.1
DANN	Dangsing	88.41 299	eP	P	23 22 32.7 -2.4
PYUN	Pyuthan	89.01 299	eP	P	23 22 36.5 -1.3
WMQ	Urumqi	89.21 315	eP	P	23 22 37.8 -0.4
WMQ			sP	P	23 22 46.9 +4.8
WMQ			sP	P	23 22 50.7 +1.0
WMQ			pmx	pmx	
NEW	Newport	89.55 41	PFAKE	LR	23 22 50.0 +1.0
NEW	Newport	89.55 41	P	P	23 22 40.0 +0.4
INK	Inuvik	89.77 19	P	P	23 22 39.5 -0.6
HLID	Hailey	90.08 46	PFAKE	LR	23 22 50.0 +7.6

HLID	Hailey	90.08 46	P	P	23 22 43.4 +1.0
DUG	Dugway, Toeole	90.39 49	PFAKE	LR	23 22 50.0 +6.1
DUG	Dugway, Toeole	90.39 49	P	P	23 22 44.2 +0.3
DGZ	Jazzator, Aita	90.99 320	i P	P	23 22 44.8 -1.7
DGZ			pmx	pmx	
MSO	Missoula	91.24 43	P	P	23 22 48.7 +1.0
HWUT	Hardware Ranch	91.64 48	PFAKE	LR	23 23 00.0 +1.0
HWUT			LR	LR	
DGAR	Diego Garcia	92.04 262	PFAKE	LR	23 23 00.0 +8.1
DGAR			LR	LR	
AHID	Auburn Hatcher	92.24 47	PFAKE	LR	23 23 00.0 +7.5
AHID			LR	LR	
BOZ	Bozeman (W)	92.50 44	PFAKE	LR	23 23 00.0 +6.4
BOZ	Bozeman (W)	92.50 44	P	P	23 22 54.4 +0.9
MVCO	Mesa Verde	93.03 53	PFAKE	LR	23 23 10.0 +1.4
MVCO			LR	LR	
LKWY	Lake	93.12 45	PFAKE	LR	23 23 10.0 +1.3
LKWY			LR	LR	
BW06	Boulder Array	93.35 47	PFAKE	LR	23 23 10.0 +1.2
BW06			LR	LR	
BW06	Boulder Array	93.35 47	P	P	23 22 58.0 +0.3
PDAR	Pinedale Array	93.35 47	P	P	23 22 57.5 -0.2
MKAR	Makanchi Array	93.63 317	P	P	23 22 57.4 -1.2
ZALV	Zalesovo Beam	93.64 324	P	P	23 22 57.4 -1.0
RLMT	Red Lodge	94.03 45	PFAKE	LR	23 23 10.0 +9.3
RLMT			LR	LR	
ANMO	Albuquerque	94.23 55	PFAKE	LR	23 23 10.0 +8.1
ANMO			LR	LR	
EGMT	Eagleton	94.28 42	PFAKE	LR	23 23 10.0 +8.4
EGMT			LR	LR	
EGMT	Eagleton	94.28 42	P	P	23 23 02.4 +0.8
MNTX	Cornudas Mount	94.54 59	PFAKE	LR	23 23 10.0 +6.9
MNTX			LR	LR	
YKA	Yellowknife Ar	94.82 27	P	P	23 23 01.3 -2.3
SDCO	Great Sand Dun	95.47 53	PFAKE	LR	23 23 20.0 +1.2
SDCO			LR	LR	
PMSA	Palmer Station	95.70 161	PFAKE	LR	23 23 20.0 +1.2
PMSA			LR	LR	
ISCO	Idaho Springs	95.73 51	PFAKE	LR	23 23 20.0 +1.1
ISCO			LR	LR	
NRIK	Noril'sk	96.14 340	P	P	23 23 09.5 -0.1
NRIK			LR	LR	
NRIK			LR	LR	00 06 26.8
LAO	LASA Array	96.40 44	PFAKE	LR	23 23 20.0 +8.7
LAO			LR	LR	
KURK	Kurchatov	96.74 320	PFAKE	LR	23 23 20.0 +7.4
KURK			LR	LR	
KSH	Kashi	96.89 309	P	P	23 23 17.2 +3.4
KSH			sP	P	23 23 27.7 +1.0
KSH			sP	P	23 23 16.6 +7.3
KSH			SKS	SKSac	23 33 52.7 +1.4
KSH			S	S	23 34 36.3 -0.6
KSH			sS	sS	23 34 48.8 +7.5
KSH			sS	sS	23 41 16.8 +4.3
KSH			LR	LR	
KSH			LR	LR	
DGMT	Dagmar	98.01 42	PFAKE	LR	23 23 30.0 +1.1
DGMT			LR	LR	
NIL	Nilore	98.24 303	PFAKE	LR	23 23 30.0 +1.0
NIL			LR	LR	
AAK	Ala-Archa	98.42 312	PFAKE	LR	23 23 30.0 +9.3
AAK			LR	LR	
AAK	Ala-Archa	98.42 312	LR	LR	00 05 31.2
OGNE	Ogallala	98.60 50	PFAKE	LR	23 23 30.0 +8.6
OGNE			LR	LR	
JCT	Junction City	99.09 61	PFAKE	LR	23 23 30.0 +6.2
JCT			LR	LR	
FFC	Flin Flon	100.06 36	PFAKE	LR	23 23 40.0 +1.3
FFC			LR	LR	
CBKS	Cedar Bluff	100.11 52	PFAKE	LR	23 23 40.0 +1.2
CBKS			LR	LR	
KVXT	Kingsville	100.39 64	PFAKE	LR	23 23 40.0 +1.0
KVXT			LR	LR	
BRVK	Borovoye	102.11 322	PFAKE	LR	23 23 50.0 +1.3
BRVK			LR	LR	
KSU1	Kansas State U	102.57 52	PFAKE	LR	23 23 50.0 +1.1
KSU1			LR	LR	
PAYG	Puerto Ayora	103.36 93	PFAKE	LR	23 23 50.0 +6.9
PAYG			LR	LR	
NATX	Nacogdoches	103.61 60	PFAKE	LR	23 24 00.0 +1.6
NATX			LR	LR	
MIAR	Mount Ida	104.71 57	PFAKE	LR	23 24 00.0 +1.1
MIAR			LR	LR	
HDIL	Hopedale	108.23 51	PFAKE	LR	23 28 20.0 +9.3
HDIL			LR	LR	
ARU	Arti	108.70 326	PFAKE	LR	23 28 20.0 +9.0
ARU			LR	LR	
BRAL	Brewton	110.08 61	PFAKE	LR	23 28 30.0 +1.4
BRAL			LR	LR	
JTS	JuntasAbangare	110.45 83	PFAKE	LR	23 28 30.0 +1.4
JTS			LR	LR	
KBS	Kingsbay	110.88 355	PFAKE	LR	23 28 30.0 +1.5
KBS			LR	LR	
AAM	Ann Arbor	112.37 49	PFAKE	LR	23 28 30.0 +1.2
AAM			LR	LR	
LCO	Las Campanas	112.41 128	PFAKE	LR	23 28 30.0 +1.1
LCO			LR	LR	
ABPO	Ambohpanom	112.67 244	PFAKE	LR	23 28 30.0 +1.0
ABPO			LR	LR	
ACSO	Alum Creek Sta	113.06 51	PFAKE	LR	23 28 30.0 +1.0
ACSO			LR	LR	
GOGA	Godfrey	113.09 58	PFAKE	LR	23 28 30.0 +1.0
GOGA			LR	LR	
NNA	Nana	113.57 108	PFAKE	LR	23 28 30.0 +8.4
NNA			LR	LR	
NNA			LR	LR	

LVZ	Lovozero	114.87 342	PFAKE	LR	23 28 30.0 +7.5
LVZ			LR	LR	
OTAV	Otavallo	115.13 95	PFAKE	LR	23 28 40.0 +1.5
OTAV			LR	LR	
BCIP	Isla Barro Col	115.29 85	PFAKE	LR	23 28 40.0 +1.5
BCIP			LR	LR	
BLA	Blacksburg	115.34 54	PFAKE	LR	23 28 40.0 +1.6
BLA			LR	LR	
KEV	Kevo	115.81 345	PFAKE	LR	23 28 40.0 +1.6
KEV			LR	LR	
NHSC	New Hope	115.86 59	PFAKE	LR	23 28 40.0 +1.5
NHSC			LR	LR	
ARCES	ARCES Array B	116.33 346	PKIKP	PKIKP	23 28 23.0 -2.3
ARCES	ARCES Array B	116.33 346	PKP	PKP	23 28 22.9 -2.3
LVC	Limon Verde	116.72 122	PFAKE	LR	23 28 40.0 +1.2
LVC			LR	LR	
CNNC	Cliffs of the	117.57 56	PFAKE	LR	23 28 40.0 +1.1
CNNC			LR	LR	
CBN	Corbin Frederi	117.62 53	PFAKE	LR	23 28 40.0 +1.1
CBN			LR	LR	
MAK	Makhachkala	118.17 313	i PKIKP	PKPdf	23 28 24.5 -5.0
MAK			pmx	pmx	23 29 41.3
MTDJ	Mount Denham	118.37 75	PFAKE	LR	23 28 40.0 +9.2
MTDJ			LR	LR	
VRH	Novokhoporsky	119.66 323	ePKIKP	PKIKP	23 28 32.8 +0.6
VRH			pmx	pmx	
LPSR	Galich ya Gora	120.72 326	ePKIKP	PKIKP	23 28 33.8 -0.4
LPSR			pmx	pmx	
GTBY	Guantanamo Bay	120.72 73	PFAKE	LR	23 28 50.0 +1.5



Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Batken, Arkit, Arslanbob, Luzhnay, Manas, Sufi-Kurgan, Alayashu, Karatay Array, BORA, DEMIR, WARRAMUNGA ARR, ASAR, STKA, SONM, MKAR, etc.

ISCJB 09 23:22:44.2.0.5, 10.91S:0.07x165.68E:0.07, h10km, mb4.1/1.1, Error ellipse: s-maj=12.4km s-min=7.4km az=40.7

ISC 09 23:22:44.0.0.8, 10.82S:165.71E, h0km, mb4.2/1.1, mb1.4/4.13, mb1mx4.2/32, mbtmp4.3/13, ML4.9/2, Error ellipse: s-maj=20.9km s-min=18.8km az=126.0

NEIC 09 23:22:45.6.0.5, 10.83S:165.77E, h10km, mb4.3/1, Error ellipse: s-maj=12.2km s-min=11.3km az=103.0

ISC 09 23:22:45.7.0.7, 10.91S:0.08x165.70E:0.08, h10km, n32, Δ°167/35, mb4.3/1, Santa Cruz Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Honiara, DZM, CTA, HAZ, PKGZ, URZ, MWZ, RTZ, NGZ, PKVZ, RAHZ, RIHZ, BKZ, WHZ, BHHZ, KAHZ, STKA, PXZ, WRA, ASAR, RPZ, CMAR, ILAR, NVAR, WVOR, MKAR, YKA, ARCES.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Honiara, DZM, ASAR, ILAR, MKAR.

ISC 09 23:27:24.1.1.7, 10.70S:166.12E, h0km, mb3.6/3, mb1.4/0.4, mb1mx3.6/36, mbtmp3.9/4, ML4.3/1, Error ellipse: s-maj=55.4km s-min=30.4km az=127.0, Santa Cruz Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like DZM, WRA, ASAR, ILAR.

DDA 09 23:27:25.4.39:15N:30:13E, h7km, 1km, ML2.0, Turkey

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like AUKIR, GDZ, DEMI.

ISC 09 23:35:17.9.16.0, 6.52N:124.31E, h523km, 246km, mb3.0/5, mb1.3.2/5, mb1mx2.7/42, mbtmp4.0/5, Error ellipse: s-maj=131.2km s-min=30.0km az=71.0, Mindanao

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like WRA, ASAR, STKA, SONM, MKAR.

ISC 09 23:39:50.6.0.6, 11.84S:165.37E, h0km, mb4.4/18, mb1.4/5.20, mb1mx4.3/41, mbtmp4.4/20, ML4.4/2, Error ellipse: s-maj=18.2km s-min=15.1km az=12.0

NEIC 09 23:39:52.1.0.3, 11.86S:165.36E, h10km, mb4.8/6, Error ellipse: s-maj=9.6km s-min=8.8km az=97.0

ISCJB 09 23:39:53.9.0.5, 11.92S:0.07x165.26E:0.07, h33km, mb4.4/23, Error ellipse: s-maj=10.5km s-min=8.9km az=32.9

ISC 09 23:39:55.9.0.6, 11.90S:0.09x165.33E:0.09, h35km, n28, Δ°088/32, mb4.3/23, Santa Cruz Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Honiara, DZM, CTA, URZ, STKA, WRA, ASAR, RPZ, MJAR, PETK, KLR, ENH, XAN, CMAR, ULR, SONM, BILL, COLA, ILAR, NVAR, MKAR, PDAR, YKA, ESCD, TORO, TORO.

ISCJB 09 23:44:13.5.0.4, 10.97S:0.05x165.77E:0.06, h10km, mb4.4/23, MS4.2/3, Error ellipse: s-maj=9.0km s-min=7.0km az=157.2

ISC 09 23:44:13.4.0.5, 10.87S:165.82E, h0km, mb4.4/18, mb1.4.0/20, mb1mx4.4/45, mbtmp4.4/20, ML4.8/2, MS4.2/4,

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Honiara, DZM, ASAR, RPZ, MJAR, PETK, KLR, ENH, XAN, CMAR, ULR, SONM, BILL, COLA, ILAR, NVAR, MKAR, PDAR, YKA, ESCD, TORO, TORO.

Ms1 4.2/4, ms1mx3.8/34, Error ellipse: s-maj=17.6km s-min=14.8km az=113.0

NEIC 09 23:44:15.0.0.3, 10.87S:165.85E, h10km, mb4.9/5, Error ellipse: s-maj=9.0km s-min=7.4km az=113.0

ISC 09 23:44:15.0.0.5, 10.89S:0.07x165.86E:0.08, h10km, n39, Δ°095/42, mb4.5/23, MS4.3/3, Santa Cruz Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Honiara, DZM, DZM, DZM, CTA, CTAO, URZ, STKA, WRAB, WRA, WRA, ASAR, ASAR, RPZ, FITZ, MJAR, USRK, KLR, XAN, XAN, HHC, HHC, CMAR, CMAR, ULN, ULN, GTA, GTA, QSPA, COLA, ILAR, NVAR, BOZ, PDAR, MKAR, ZALV, YKA, YKA, NRIK, ARCES, CPUP, BOSA, AKASG, ERSE, GERD, TORD.

ISCJB 09 23:47:30.6.0.7, 10.81S:165.82E, h0km, mb4.3/13, mb1.4/5.1, ms1mx4.2/45, mbtmp4.4/15, ML5.0/2, Error ellipse: s-maj=19.0km s-min=17.0km az=99.0

NEIC 09 23:47:32.0.0.5, 10.78S:165.86E, h10km, mb4.8/1, Error ellipse: s-maj=11.1km s-min=9.4km az=88.0

ISC 09 23:47:32.1.0.7, 10.82S:0.08x165.86E:0.10, h10km, n26, Δ°086/24, mb4.3/13, Santa Cruz Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Honiara, DZM, DZM, DZM, CTA, CTAO, URZ, STKA, WRAB, WRA, WRA, ASAR, ASAR, RPZ, FITZ, MJAR, USRK, KLR, XAN, XAN, HHC, HHC, CMAR, CMAR, ULN, ULN, GTA, GTA, QSPA, COLA, ILAR, NVAR, BOZ, PDAR, MKAR, ZALV, YKA, YKA, NRIK, ARCES, CPUP, BOSA, AKASG, ERSE, GERD, TORD.

ISCJB 09 23:47:32.1.0.7, 10.82S:0.08x165.86E:0.10, h10km, n26, Δ°086/24, mb4.3/13, Santa Cruz Islands

ISC 09 23:47:32.1.0.7, 10.82S:0.08x165.86E:0.10, h10km, n26, Δ°086/24, mb4.3/13, Santa Cruz Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Honiara, DZM, DZM, DZM, CTA, CTAO, URZ, STKA, WRAB, WRA, WRA, ASAR, ASAR, RPZ, FITZ, MJAR, USRK, KLR, XAN, XAN, HHC, HHC, CMAR, CMAR, ULN, ULN, GTA, GTA, QSPA, COLA, ILAR, NVAR, BOZ, PDAR, MKAR, ZALV, YKA, YKA, NRIK, ARCES, CPUP, BOSA, AKASG, ERSE, GERD, TORD.

ISCJB 09 23:47:32.1.0.7, 10.82S:0.08x165.86E:0.10, h10km, n26, Δ°086/24, mb4.3/13, Santa Cruz Islands

ISC 09 23:47:32.1.0.7, 10.82S:0.08x165.86E:0.10, h10km, n26, Δ°086/24, mb4.3/13, Santa Cruz Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Honiara, DZM, DZM, DZM, CTA, CTAO, URZ, STKA, WRAB, WRA, WRA, ASAR, ASAR, RPZ, FITZ, MJAR, USRK, KLR, XAN, XAN, HHC, HHC, CMAR, CMAR, ULN, ULN, GTA, GTA, QSPA, COLA, ILAR, NVAR, BOZ, PDAR, MKAR, ZALV, YKA, YKA, NRIK, ARCES, CPUP, BOSA, AKASG, ERSE, GERD, TORD.

ISCJB 09 23:47:32.1.0.7, 10.82S:0.08x165.86E:0.10, h10km, n26, Δ°086/24, mb4.3/13, Santa Cruz Islands

ISC 09 23:47:32.1.0.7, 10.82S:0.08x165.86E:0.10, h10km, n26, Δ°086/24, mb4.3/13, Santa Cruz Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Honiara, DZM, DZM, DZM, CTA, CTAO, URZ, STKA, WRAB, WRA, WRA, ASAR, ASAR, RPZ, FITZ, MJAR, USRK, KLR, XAN, XAN, HHC, HHC, CMAR, CMAR, ULN, ULN, GTA, GTA, QSPA, COLA, ILAR, NVAR, BOZ, PDAR, MKAR, ZALV, YKA, YKA, NRIK, ARCES, CPUP, BOSA, AKASG, ERSE, GERD, TORD.

ISCJB 09 23:47:32.1.0.7, 10.82S:0.08x165.86E:0.10, h10km, n26, Δ°086/24, mb4.3/13, Santa Cruz Islands

ISC 09 23:47:32.1.0.7, 10.82S:0.08x165.86E:0.10, h10km, n26, Δ°086/24, mb4.3/13, Santa Cruz Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Honiara, DZM, DZM, DZM, CTA, CTAO, URZ, STKA, WRAB, WRA, WRA, ASAR, ASAR, RPZ, FITZ, MJAR, USRK, KLR, XAN, XAN, HHC, HHC, CMAR, CMAR, ULN, ULN, GTA, GTA, QSPA, COLA, ILAR, NVAR, BOZ, PDAR, MKAR, ZALV, YKA, YKA, NRIK, ARCES, CPUP, BOSA, AKASG, ERSE, GERD, TORD.

ISCJB 09 23:47:32.1.0.7, 10.82S:0.08x165.86E:0.10, h10km, n26, Δ°086/24, mb4.3/13, Santa Cruz Islands

ISC 09 23:47:32.1.0.7, 10.82S:0.08x165.86E:0.10, h10km, n26, Δ°086/24, mb4.3/13, Santa Cruz Islands

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like Honiara, DZM, DZM, DZM, CTA, CTAO, URZ, STKA, WRAB, WRA, WRA, ASAR, ASAR, RPZ, FITZ, MJAR, USRK, KLR, XAN, XAN, HHC, HHC, CMAR, CMAR, ULN, ULN, GTA, GTA, QSPA, COLA, ILAR, NVAR, BOZ, PDAR, MKAR, ZALV, YKA, YKA, NRIK, ARCES, CPUP, BOSA, AKASG, ERSE, GERD, TORD.

10d Oh

Table with columns: IKAR, MAKANCI ARR, 93.44 317 P, P, 00 00 48.0 +0.1, etc.

IDC 09 23:53:13.3.0.6, 11:01S:165:61E, h0km, mb4.3/13, mb1.4/5.15, mb1mx3.2/5, mbtmp4.3/15, ML4.6/2, MS4.8/1, MS1.4/3, ms1mx3.7/31, Error ellipse: s-maj=22.7km s-min=16.9km az=129.0

NEIC 09 23:53:15.3.0.2, 11:00S:165:58E, h10km, mb4.8/18, Error ellipse: s-maj=7.2km s-min=5.9km az=100.0

ISCJBJ 09 23:53:16.7.0.3, 11:14S:0:05:165:52E:0.05, h30km, mb4.5/30, MS4.7/1, Error ellipse: s-maj=7.4km s-min=6.5km az=145.7

ISC 09 23:53:18.4.0.5, 11:06S:0:08:165:59E:0.08, h30km, n59, c098/62, mb4.6/30, Santa Cruz Islands

Main table for Santa Cruz Islands with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

ISCJBJ 09 23:54:44.6.0.3, 36:94N:0:03:71:52E:0.05, h106km, mb3.5/12, Error ellipse: s-maj=6.3km s-min=3.8km az=156.0

IDC 09 23:54:49.5.3.3, 37:26N:71:45E, h11km, 31km, mb3.2/11, mb1.3/5.18, mb1mx3.4/8, mbtmp3.7/18, Error ellipse: s-maj=22.4km s-min=15.8km az=18.0

NNC 09 23:54:49.7.3.1, 37:45N:71:01E, h24km, 32km, mb4.3, mpv4.1, Error ellipse: s-maj=29.2km s-min=11.8km az=164.0

ISC 09 23:54:46.7.5.3, 37:07N:0:05:71:56E:0.05, h106km, n59, c28/70, mb3.4/12, 8C-6D, Afghanistan-Tajikistan border region

2013 FEB

Main table for 2013 FEB with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

SAR 09 23:56:55.9.1.0, 40:94N:20:18E, h4km, 4km, ML2.6/5 SKO 09 23:56:57.1.1, 41:21N:20:01E, h0km ATH 09 23:56:57.7.1, 41:22N:20:14E, h17km, 2km, ML2.2/4, Error ellipse: s-maj=2.7km s-min=1.1km az=294.0

850

Main table for 850 with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

IDC 10 00:03:58.1.3.3, 10:53S:165:01E, h0km, mb3.6/4, mb1.3/8.4, mb1mx3.5/25, mbtmp3.6/4, MS4.3/2, MS1.4/3.2, ms1mx3.7/29, Error ellipse: s-maj=140.9km s-min=30.4km az=136.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc.

ISCJBJ 10 00:18:45.3.0.8, 10:91S:0:08:166:07E:0.09, h35km, mb3.7/8, Error ellipse: s-maj=13.2km s-min=9.6km az=146.1

IDC 10 00:18:51.9.3.3, 10:90S:165:92E, h77km, 29km, mb3.6/8, mb1.3/9.10, mb1mx3.6/36, mbtmp4.0/10, Error ellipse: s-maj=24.9km s-min=20.1km az=47.0

ISC 10 00:18:47.5.1.1, 10:7S:0:166:11E:0.1, h35km, n14, c198/11, mb1.3/8.4, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc.







SBUM	Sibu	55.98 281	eP	P	01 40 25.9 +0.2
SBUM	Sibu	55.98 281	eP	P	01 40 27.2 +1.5
NACB	Ninganchiao	56.39 309	eP	P	01 40 28.2 -0.3
RKT	Rikitea	56.55 110	eS	S	01 48 21.7 +1.8
RKT	comp-Z,1µm,31.0s		eLQ	LQ	01 54 44.2
RKT	comp-Z,2µm,31.0s		eLR	LR	01 57 07.5
YHNB	Yeheng	56.83 309	eP	P	01 40 31.6 0.0
TATO	Taipei	56.91 310	PFAKE	LR	01 40 40.0 +7.9
KSM	Kuching	57.59 279	eP	P	01 40 36.7 -0.5
YUK	Yuzh-Kuril'sk	58.05 342	eP	P	01 40 35.8 -3.9
YUK	comp-Z,299nm,1.3s		eS	S	01 48 35.3 -3.4
YUK	comp-Z,891nm,18.0s		MLR	MLR	
ASAJ	Asahikawa	59.16 340	P	P	01 40 48.1 +0.6
ASAJ	comp-Z,18nm,0.8s,baz=214,slow=12,SNR=11		LR	LR	02 01 14.2
KSRS	Korea Arra	60.50 325	P	P	01 40 57.0 +0.2
KSAR	Wonju Array Be	60.52 325	P	P	01 40 57.0 +0.1
KSAR	Wonju Array Si	60.53 325	eP	P	01 40 56.4 -0.6
SSE	Sheshan	60.62 315	eP	P	01 40 57.5 -0.2
SSE	comp-Z,54nm,1.0s		LR	LR	
YSS	Yuzh-Sakhalins	61.63 341	eP	P	01 41 05.4 +1.1
YSS	comp-Z,825nm,20.0s		e	e	01 41 05.8 +1.6
YSS	comp-Z,60nm,1.4s		MLR	MLR	01 49 25.0
TEY	Ternei	62.16 336	eP	P	01 41 02.6 -5.3
TEY	comp-Z,10.0nm,1.7s		pmx	pmx	
MSHR	Mya Shuitssa	62.58 331	iP	P	01 41 10.6 -0.2
VLA	Vladivostok	62.66 332	dP	pmx	01 41 10.8 -0.4
NJ2	Nanjing	62.80 315	eP	P	01 41 13.5 +1.1
NJ2	comp-Z,98nm,1.5s		pP	pP	01 41 20.1 -0.4
NJ2	comp-Z,53nm,1.0s		S	S	01 49 27.2 -1.3
NJ2	comp-Z,710nm,4.3s		pmx	pmx	
NJ2	comp-Z,1µm,17.9s		LR	LR	
NJ2	comp-Z,810nm,16.8s		LR	LR	
NJ2	comp-Z,1µm,21.7s		LR	LR	
USA0B	Ussuriysk Arra	63.45 333	eP	P	01 41 16.6 +0.1
USRK	Ussuriysk Ar.	63.45 333	P	P	01 41 17.3 +0.9
QIZ	Qiongzong	63.65 298	eP	P	01 41 19.0 +0.6
QIZ	comp-Z,59nm,1.2s,baz=131,slow=5.8,SNR=36		S	S	01 49 53.9 +2.7
QIZ	comp-Z,450nm,8.8s		pmx	pmx	
QIZ	comp-Z,840nm,23.5s		LR	LR	
QIZ	comp-Z,1µm,21.6s		LR	LR	
QIZ	comp-Z,2µm,23.5s		LR	LR	
MYKOM	Kota Tinggi	63.94 277	P	P	01 41 22.2 +1.8
PET	Petropavlovsk	64.20 354	eP	P	01 41 22.3 +1.1
PET	Adak	64.26 11	PFAKE	LR	01 49 54.8 -1.8
PET	Adak	64.26 11	LR	LR	01 41 30.0 +8.3
PETK	Petropavlovsk-	64.37 354	eP	P	01 41 23.4 +1.0
PETK	Petropavlovsk-	64.37 354	eP	P	01 41 23.4 +1.0
PETK	Petropavlovsk-	64.37 354	P	P	01 41 22.8 +0.4
PETK	comp-Z,13nm,1.0s,baz=187,slow=11,SNR=5.0		LR	LR	02 03 55.5
KGM	Kluang	64.51 278	P	P	01 41 25.9 +1.7
MDJ	Mudanjiang	64.87 331	P	P	01 41 26.1 +0.2
MDJ	comp-Z,983nm,19.8s,baz=161,slow=31		pP	pP	01 41 37.0 0.0
MDJ	comp-Z,1µm,22.3s		sP	sP	01 41 4.4 +4.8
MDJ	comp-Z,1µm,22.3s		PpP	PpP	01 41 58.5 -0.4
MDJ	comp-Z,1µm,22.3s		PP	PP	01 43 51.1 +2.2
MDJ	comp-Z,71nm,1.2s		S	S	01 50 09.4 +4.1
MDJ	comp-Z,2µm,4.8s		pmx	pmx	
MDJ	comp-Z,620nm,12.7s		LR	LR	
MDJ	comp-Z,700nm,15.9s		LR	LR	
MDJ	comp-Z,1µm,22.3s		LR	LR	
MDJ	comp-Z,132nm,1.4s		LR	LR	
DL2	Dalian	65.14 322	iP	P	01 41 28.0 +0.3
DL2	comp-Z,42nm,1.3s		S	S	01 50 06.3 -2.6
DL2	comp-Z,340nm,3.9s		pmx	pmx	
DL2	comp-Z,550nm,13.7s		LR	LR	
DL2	comp-Z,460nm,11.8s		LR	LR	
DL2	comp-Z,790nm,14.5s		LR	LR	
WHN	Wuhan	65.22 311	P	P	01 41 28.4 0.0
WHN	comp-Z,2µm,20.1s		LR	LR	
WHN	comp-Z,1µm,12.8s		LR	LR	
WHN	comp-Z,2µm,16.6s		LR	LR	
SNY	Shenyang	65.94 326	iP	P	01 41 32.6 -0.2
SNY	comp-Z,39nm,2.5s		pmx	pmx	
SNY	comp-Z,900nm,7.5s		pmx	pmx	
SNY	comp-Z,850nm,14.7s		LR	LR	
SNY	comp-Z,980nm,19.1s		LR	LR	
CN2	Changchun	66.31 328	eP	P	01 41 34.7 -0.5
CN2	comp-Z,40nm,1.0s		pmx	pmx	
CN2	comp-Z,840nm,4.0s		LR	LR	
CN2	comp-Z,740nm,19.0s		LR	LR	
CN2	comp-Z,620nm,19.0s		LR	LR	
CN2	comp-Z,1µm,19.0s		LR	LR	
TIA	Tai'an	66.35 318	P	P	01 41 35.6 0.0
TIA	comp-Z,11nm,1.2s		pmx	pmx	
TIA	comp-Z,170nm,4.9s		LR	LR	
TIA	comp-Z,310nm,20.6s		LR	LR	
TIA	comp-Z,330nm,19.1s		LR	LR	

TIA	comp-Z,580nm,18.8s		LR	LR	
FRIM	Kepong	66.44 278	P	P	01 41 37.6 +1.0
VNDA	Vanda	66.52 181	P	P	01 41 35.8 -0.2
VNDA	comp-Z,4.7nm,0.7s,baz=11,slow=5.6,SNR=6.3		LR	LR	02 06 44.8
CASY	Casey	66.78 201	PFAKE	LR	01 41 50.0 +1.2
IPM	Iloh	67.31 280	eP	P	01 41 41.7 -0.5
IPM	Iloh	67.31 280	P	P	01 41 43.1 +1.0
NKL	Kul'dur	67.50 336	iP	P	01 41 43.2 +0.6
NKL	Nikolayevsk	67.75 343	eP	pmx	01 41 42.2 -1.8
SKNT	Sakolnakorn	68.10 293	P	P	01 41 48.8 +1.7
CHBT	CHBT	68.28 289	P	P	01 41 52.2 +4.0
COCO	West Island	68.43 261	PFAKE	LR	01 42 00.0 +1.1
COCO	comp-Z,3µm,20.0s		LR	LR	
ENH	Enshi	68.75 309	eP	P	01 41 50.1 -0.8
ENH	comp-Z,909nm,21.0s		eP	P	01 41 51.5 -1.2
PSI	Prapat	68.96 277	eP	P	01 41 51.5 -1.2
PSI	Prapat	68.96 277	eP	pmx	01 41 51.5 -1.2
BJT	Baijiatuu	69.17 321	eP	P	01 41 53.6 +0.4
BJT	comp-Z,29nm,1.2s		LR	LR	
BJT	Baijiatuu	69.17 321	eP	pmx	01 41 53.6 +0.4
BJT	comp-Z,29nm,1.2s		MLR	MLR	
BJI	Beijing	69.18 321	P	S	01 41 52.9 -0.4
BJI	comp-Z,17nm,1.8s		S	S	01 51 00.4 +3.0
BJI	comp-Z,840nm,20.2s		LR	LR	
BJI	comp-Z,740nm,20.7s		LR	LR	
BJI	comp-Z,840nm,20.0s		LR	LR	
NONG	Hongkai	69.22 294	P	P	01 41 55.7 +1.7
GVA	Guiyang	69.33 304	iP	pP	01 41 56.9 +2.2
GVA	comp-Z,38nm,1.3s		pP	pP	01 42 08.6 +2.3
GVA	comp-Z,38nm,1.3s		PP	PP	01 44 32.8 +4.5
GVA	comp-Z,29nm,1.2s		S	S	01 51 00.9 +0.8
GVA	comp-Z,30nm,1.0s		SKS	SKS	01 51 51.2 -2.3
GVA	comp-Z,150nm,7.4s		SS	SS	01 55 29.4 +1.8
GVA	comp-Z,590nm,18.6s		pmx	pmx	
GVA	comp-Z,640nm,18.3s		LR	LR	
GVA	comp-Z,620nm,18.0s		LR	LR	
GSI	Gunungsitoli	69.96 275	eP	P	01 41 58.7 0.0
TIV	Taiyuan	70.31 317	eP	pmx	01 42 01.2 +0.7
TIV	comp-Z,53nm,1.5s		pmx	pmx	
PBKT	Sadao Pong	70.70 292	P	P	01 42 04.6 +1.5
XAN	Xi'an	70.94 312	P	sP	01 42 03.8 -0.5
XAN	comp-Z,44nm,0.9s		pP	pP	01 42 16.4 +0.4
XAN	comp-Z,53nm,1.5s		sP	sP	01 42 24.2 -0.5
XAN	comp-Z,53nm,1.5s		S	S	01 51 23.6 +5.1
XAN	comp-Z,34nm,1.2s		SKS	SKS	01 52 00.8 -4.4
XAN	comp-Z,610nm,4.1s		SS	SS	01 55 51.7 -0.3
XAN	comp-Z,510nm,20.6s		pmx	pmx	
XAN	comp-Z,730nm,21.7s		LR	LR	
XAN	comp-Z,1µm,21.7s		LR	LR	
XAN	comp-Z,60nm,1.3s		LR	LR	
XAN	comp-Z,60nm,1.3s		LR	LR	
MA2	Magadan	71.56 351	eP	P	01 42 06.7 -0.7
MA2	comp-Z,1µm,21.0s		LR	LR	
MA2	Magadan	71.56 351	eP	pmx	01 42 06.0 -1.5
MA2	comp-Z,30nm,1.7s		pmx	pmx	
UTHA	Uthaitani	71.79 290	P	P	01 42 11.5 +1.8
KMI	Kunming	72.06 301	P	pP	01 42 12.0 +0.5
KMI	comp-Z,2.6nm,1.0s		sP	sP	01 42 20.5 +0.8
KMI	comp-Z,2.6nm,1.0s		S	S	01 42 26.3 +3.2
KMI	comp-Z,40nm,1.0s		PP	PP	01 44 48.4 -3.6
KMI	comp-Z,700nm,7.2s		S	S	01 51 32.9 +0.7
KMI	comp-Z,700nm,7.2s		SKIKP	SKIKP	01 51 51.4 +4.4
KMI	comp-Z,700nm,7.2s		SKS	SKS	01 52 07.3 -7.2
KMI	comp-Z,28nm,1.6s		pmx	pmx	
KMI	comp-Z,460nm,3.9s		LR	LR	
KMI	comp-Z,380nm,23.8s		LR	LR	
KMI	comp-Z,1µm,20.7s		LR	LR	
KMI	comp-Z,2µm,20.7s		LR	LR	
KMI	Kunming	72.06 301	eP	P	01 42 11.8 +0.3
KMI	Kunming	72.06 301	eP	pmx	01 42 11.8 +0.3
SUKH	Sukhothai	72.20 292	P	P	01 42 14.6 +2.4
HHC	Hu-ho-hao-te	72.55 319	eP	sP	01 42 15.4 +1.5
HHC	comp-Z,40nm,1.0s		sP	sP	01 42 25.4 +0.3
HHC	comp-Z,40nm,1.0s		S	S	01 51 38.0 +1.1
HHC	comp-Z,40nm,1.0s		SKKSac	SKKSac	01 52 17.7 +0.4
HHC	comp-Z,700nm,7.2s		pmx	pmx	
HHC	comp-Z,710nm,17.3s		LR	LR	
HHC	comp-Z,630nm,17.3s		LR	LR	
HHC	comp-Z,880nm,19.0s		LR	LR	
ZEA	Zeya	72.77 337	eP	P	01 42 15.0 +0.2
ZEA	comp-E,56nm,1.4s		e	e	01 42 38.0
ZEA	comp-N,86nm,1.2s		pmx	pmx	
ZEA	comp-Z,140nm,1.2s		pmx	pmx	
ZEA	comp-Z,1µm,5.0s		MLR	MLR	
ZEA	comp-N,600nm,20.0s		MLR	MLR	
HIA	Hailar	72.92 330	eP	P	01 42 16.3 +0.4
HIA	comp-Z,76nm,1.2s		LR	LR	
HIA	comp-Z,1µm,20.0s		LR	LR	
HIA	comp-Z,54nm,1.2s		pmx	pmx	
CM01	Chiang Mai Arr	73.10 293	eP	P	01 42 17.4 -0.1
CMAR	Chiang Mai Arr	73.12 293	P	P	01 42 17.4 -0.3
CMAR	comp-Z,5.6nm,0.8s,baz=115,slow=4.2,SNR=33		LR	LR	

CMAR	comp-Z,479nm,19.4s,baz=119,slow=35		LR	LR	02 13 53.8
CMMT	Chiang Mai	73.23 294	P	P	01 42 19.6 +1.3
CHTO	Chiang Mai	73.23 294	eP	P	01 42 17.5 -0.8
CHTO	comp-Z,29nm,1.4s		LR	LR	
CHTO	comp-Z,886nm,21.0s		LR	LR	
CHTO	Chiang Mai	73.23 294	eP	pmx	01 42 17.5 -0.8
CHTO	comp-Z,29nm,1.4s		MLR	MLR	
CHTO	Chiang Mai	73.23 294	P	P	01 42 19.7 +1.4
BTO	Baotou	73.42 318	eP	P	01 42 19.5 +0.4
CD2	Chengdu	73.48 307	P	pP	01 42 20.0 +0.4
CD2	comp-Z,63nm,1.6s,comp-Z,3µm		pP	pP	01 42 26.3 -1.5
CD2	comp-Z,63nm,1.6s,comp-Z,3µm		PP	PP	01 45 03.7 -0.1
CD2	comp-Z,63nm,1.6s,comp-Z,3µm		S	S	01 51 49.4 +0.6
CD2	comp-Z,63nm,1.6s,comp-Z,3µm		SS	SS	01 52 00.1 -1.3
CD2	comp-Z,63nm,1.6s,comp-Z,3µm		SS	SS	01 56 33.1 +2.1
CD2	comp-Z,70nm,0.9s		pmx	pmx	
CD2	comp-Z,720nm,7.9s		LR	LR	
CD2	comp-Z,2µm,21.9s		LR	LR	
CD2	comp-Z,1µm,25.8s		LR	LR	
SEY	Seymchan	74.60 353	eP	P	01 42 25.0 -0.3
LZH	Lanzhou	75.58 312	eP	P	01 42 32.3 +0.5
LZH	comp-Z,2µm,28.8s		pP	pP	01 42 42.6 -0.3
LZH	comp-Z,2µm,28.8s		sP	sP	01 42 48.9 +4.2
LZH	comp-Z,2µm,28.8s		PP	PP	01 45 23.0 +1.4
LZH	comp-Z,2µm,28.8s		S	S	01 51 58.7 +6.7
LZH	comp-Z,63nm,1.4s		pmx	pmx	
LZH	comp-Z,910nm,4.8s		LR	LR	
LZH	comp-Z,1µm,19.5s		LR	LR	
LZH	comp-Z,1µm,16.3s		LR	LR	
LZH	comp-Z,				

10d 1h

WRH	Wood River Hill comp=Z,40nm,1.2s	82.58	18	eP	P	01 43 09.8 +0.5
L02E	Cave Junction bazz=248	82.64	45	P	P	01 43 10.5 +0.3
IRK	irkutsk	82.66	327	eP	Pmax	01 43 09.7 -0.3
IRK	comp=Z,136nm,3.4s					
TLY	Talaya comp=Z,54nm,1.1s	82.74	326	eP	P	01 43 10.1 -0.3
TLY	comp=Z,404nm,21.0s			LR	LR	
TLY	Talaya comp=Z,404nm,21.0s	82.74	326	d/P	P	01 43 09.9 -0.5
J01E	Myrtle Point bazz=248	82.80	44	P	P	01 43 11.0 +0.1
K02D	Willamette Mer bazz=248,SNR=5.1	82.80	44	P	P	01 43 10.9 -0.2
WDC	Whiskeytown Da comp=Z,50nm,1.3s	82.81	46	eP	P	01 43 11.8 +0.8
N02D	Trinity Center bazz=249,SNR=8.1	82.83	46	P	P	01 43 11.0 -0.2
M02C	Callahan bazz=249,SNR=9.3	82.88	46	P	P	01 43 10.5 -1.0
HDA	Harding Lake comp=Z,38nm,1.4s	82.89	18	eP	P	01 43 11.6 +0.6
HDA	Harding Lake bazz=226	82.89	18	P	P	01 43 10.7 -0.2
MDM	Murphy Dome comp=Z,39nm,1.4s	82.89	18	eP	P	01 43 11.2 +0.2
SMMC	Simmler bazz=251	82.91	52	P	P	01 43 10.9 -0.8
PKM	Mcperson Peak bazz=252	82.92	53	P	P	01 43 11.3 -0.7
TCOL	CIGO, UAF Yank bazz=225	82.94	18	P	P	01 43 11.3 +0.2
COLA	College comp=Z,13nm,0.6s	82.94	18	eP	P	01 43 10.2 -0.9
COLA	comp=Z,13nm,0.6s			LR	LR	
COLA	College comp=Z,13nm,0.6s	82.94	18	eP	Pmax	01 43 10.2 -0.9
COLA	comp=Z,13nm,0.6s			MLR	MLR	
RIDG	comp=Z,13nm,0.6s	83.10	20	eP	P	01 43 13.5 +1.3
YBH	Yreka Blue Hor comp=Z,46nm,1.1s	83.11	45	eP	P	01 43 13.5 +0.9
YBH	Yreka Blue Hor comp=Z,967nm,20.0s	83.11	45	LR	LR	02 13 01.1
ILAR	Eielson Array comp=Z,13nm,0.8s	83.16	18	eP	P	01 43 11.2 -1.1
ORV	Oroville comp=Z,48nm,1.3s	83.19	48	eP	P	01 43 14.2 +1.1
ORV	Oroville comp=Z,48nm,1.3s	83.19	48	eP	Pmax	01 43 14.2 +1.1
ORV	Oroville comp=Z,48nm,1.3s	83.21	43	P	P	01 43 13.7 +0.7
I02D	SwissHome bazz=248	83.23	47	P	P	01 43 12.9 -0.5
O03E	Paynes Creek bazz=250,SNR=21	83.24	18	P	P	01 43 12.5 -0.2
POKR	Poker Plat Res bazz=225	83.25	44	eP	P	01 43 14.6 +1.2
HUMO	Hull Mountain comp=Z,45nm,1.3s	83.29	302	eP	P	01 43 14.0 -0.3
LSA	Lhasa comp=Z,13nm,1.4s	83.29	302	eP	LR	LR
LSA	Lhasa comp=Z,13nm,1.4s	83.29	302	eP	MLR	MLR
LSA	Lhasa comp=Z,13nm,1.4s	83.29	302	eP	Pmax	Pmax
LSA	Lhasa comp=Z,13nm,1.4s	83.29	302	eP	MLR	MLR
AFDM	Forest Hills D comp=Z,62nm,1.3s	83.37	48	eP	P	01 43 14.5 +0.4
I03D	Drain, OR bazz=248	83.39	43	P	P	01 43 14.3 +0.3
CMB	Columbia Colle comp=Z,36nm,1.3s	83.50	49	eP	P	01 43 14.4 -0.4
CMB	Columbia Colle comp=Z,36nm,1.3s	83.50	49	eP	Pmax	Pmax
SCRK	Sand Creek comp=Z,36nm,1.3s	83.54	20	eP	P	01 43 15.0 +0.5
L04D	Klamath Falls bazz=249,SNR=7.2	83.56	45	P	P	01 43 15.0 -0.1
VOG	Valley Oaks Go bazz=252	83.70	51	P	P	01 43 14.7 -1.1
M04C	Macdoel bazz=249,SNR=13	83.73	45	P	P	01 43 15.8 -0.2
ARVC	Arvin bazz=252	83.76	53	P	P	01 43 15.7 -0.3
YES	Vestal, Richgr bazz=252	83.78	52	P	P	01 43 14.6 -1.6
WRAK	Wrangell Islan WRAK	83.80	29	PFAKE	LR	01 43 30.0 +1.4
JIS	Juneau Island comp=Z,21nm,19.0s	83.83	27	eP	P	01 43 17.1 +1.3
DECC	Green Verdugo bazz=252	83.88	54	P	P	01 43 15.8 -1.0
COLD	Coldfoot comp=Z,22nm,1.2s	84.00	15	eP	P	01 43 18.0 +1.5
RUBR	Rubicon Trail comp=Z,72nm,1.3s	84.01	48	eP	P	01 43 17.9 +0.3
G03D	McClintville, O bazz=248	84.02	42	P	P	01 43 17.1 0.0
I04A	Tendick Farm, bazz=249	84.06	43	P	P	01 43 17.1 -0.4
J04D	Umpqua Nationa bazz=249,SNR=9.3	84.06	44	P	P	01 43 17.0 -0.7
MWC	Mount Wilson comp=Z,52nm,1.4s	84.09	54	eP	P	01 43 18.8 +0.8
MWC	Mount Wilson comp=Z,52nm,1.4s	84.09	54	eP	Pmax	Pmax
K04D	Chiloquin, OR bazz=249	84.09	45	P	P	01 43 17.1 -0.6
H04D	Lebanon bazz=248	84.11	43	P	P	01 43 16.9 -0.8
BEKR	Beckworth comp=Z,78nm,1.4s	84.13	48	eP	P	01 43 18.4 +0.3
ISA	Isabella, Lake comp=Z,16nm,1.4s	84.20	52	eP	P	01 43 19.4 +1.0
ISA	Isabella, Lake comp=Z,16nm,1.4s	84.20	52	eP	Pmax	Pmax
ISA	Isabella, Lake comp=Z,16nm,1.4s	84.20	52	P	P	01 43 17.1 -1.4
MOY	Mondy comp=Z,52nm,1.4s	84.20	325	eP	Pmax	01 43 17.5 -0.6
MOY	Mondy comp=Z,52nm,1.4s	84.20	325	eP	Pmax	Pmax
EDW2	Edwards Air Fo bazz=252,SNR=8.7	84.34	53	P	P	01 43 17.6 -1.5
MDPB	Devils Postpil comp=Z,53nm,1.3s	84.35	50	eP	P	01 43 20.3 +0.9
WAKR	Walker comp=Z,102nm,1.4s	84.36	49	eP	P	01 43 19.8 +0.5
OMMB	Old Mammoth Mi comp=Z,42nm,1.5s	84.40	50	P	P	01 43 20.1 +0.3
BFSC	Mount Baldy Ra bazz=253,SNR=5.4	84.41	54	P	P	01 43 18.7 -0.9
PNTR	Pine Nut comp=Z,78nm,1.3s	84.43	49	eP	P	01 43 19.9 +0.2
109C	Camp Elliot, M bazz=253	84.45	55	P	P	01 43 18.4 -1.2
NLWA	Neilton Lookou comp=Z,21nm,21.0s	84.46	40	PFAKE	LR	01 43 30.0 +1.1
VCNR	Virginia City comp=Z,21nm,1.3s	84.46	48	eP	P	01 43 20.6 +0.8
F04D	Rainier, OR bazz=248	84.51	41	P	P	01 43 20.1 -0.5
H04A	Detroit Lake comp=Z,60nm,1.5s	84.53	43	eP	P	01 43 20.7 +0.8
H04A	Detroit Lake comp=Z,60nm,1.5s	84.53	43	eP	sP	01 43 31.6 +0.2
MLAC	Mammoth, Mammo bazz=252	84.53	50	P	P	01 43 19.4 -0.8
MURC	Murrieta bazz=253	84.59	54	P	P	01 43 19.8 -0.6
YERR	Yerington comp=Z,66nm,1.5s	84.66	49	eP	P	01 43 21.5 +0.7
J05D	Fort Rock, OR bazz=250,SNR=16	84.68	44	P	P	01 43 19.6 -1.1
CWC	Cottonwood Cre bazz=252	84.74	51	P	P	01 43 20.4 -0.9
LRMC	Laurel Mtn Rad bazz=253,SNR=5.6	84.76	52	P	P	01 43 20.4 -0.9

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PAHR	Pah Rah Range comp=Z,73nm,1.3s	84.79	48	eP	P	01 43 21.2 -0.1
MOD	Modoc Plateau comp=Z,51nm,1.3s	84.85	46	eP	P	01 43 22.0 +0.3
E04D	Circle Bar Ra bazz=248	84.97	41	P	P	01 43 21.8 -0.1
I05D	Terrebonne, OR bazz=249	84.97	43	P	P	01 43 21.3 -0.8
EGAK	Eagle comp=Z,240nm,1.9s	85.00	20	eP	P	01 43 21.1 -0.6
D03D	Eldon bazz=248	85.00	40	P	P	01 43 22.1 0.0
MONP	Monument Peak bazz=254,SNR=5.6	85.01	55	P	P	01 43 22.1 -0.6
PINE	Pine Mountain comp=Z,82nm,1.4s	85.05	44	eP	P	01 43 22.8 +0.1
DAC	Darwin (Calif) comp=Z,64nm,0.4s	85.06	52	eP	P	01 43 23.6 +0.6
RYAN	Ryan comp=Z,54nm,1.4s	85.08	49	eP	P	01 43 23.5 +0.7
MPMC	Manual Prospec bazz=253,SNR=8.5	85.08	52	P	P	01 43 22.4 -0.6
MAW	MAW comp=Z,121.6s,bazz=33,slow=32	85.14	202	LR	LR	02 15 41.3
DAWY	Dawson comp=Z,17nm,1.2s	85.16	21	eP	P	01 43 23.8 +1.2
NVAR	Mina Array Bea comp=Z,11nm,0.9s	85.18	50	P	P	01 43 23.5 0.0
NVAR	Mina Array Bea comp=Z,11nm,0.9s	85.18	50	P	LR	LR
NVAR	Mina Array Bea comp=Z,11nm,0.9s	85.18	50	P	Pmax	Pmax
PFO	Pinyon Flats O comp=Z,17nm,1.4s	85.18	55	eP	P	01 43 23.0 -0.5
PFO	Pinyon Flats O comp=Z,17nm,1.4s	85.18	55	eP	Pmax	Pmax
PFO	Pinyon Flats O comp=Z,17nm,1.4s	85.18	55	P	P	01 43 22.6 -0.8
PFO	Pinyon Flats O comp=Z,17nm,1.4s	85.18	55	LR	LR	02 12 49.4
XPFO	Pion Flat comp=Z,39nm,1.3s	85.18	55	eP	P	01 43 24.3 +0.8
IKP	In-Ko-Pah, Jac bazz=254,SNR=5.1	85.19	56	P	P	01 43 22.8 -0.7
NV11	Mina Array Sit comp=Z,4.7nm,1.4s	85.29	50	eP	P	01 43 23.5 -0.5
G05D	Waco, OR bazz=249	85.31	42	P	P	01 43 23.5 -0.3
GSC	Goldstone, Bar comp=Z,3.7nm,1.1s	85.39	53	eP	P	01 43 25.2 +0.8
GSC	Goldstone, Bar bazz=253	85.39	53	P	P	01 43 23.7 -0.7
F05D	White Salmon bazz=249	85.44	42	P	P	01 43 23.7 -0.7
GRAC	Grapevine Rang bazz=253,SNR=8.2	85.45	51	P	P	01 43 24.1 -0.5
KVN	Kaiserville comp=Z,54nm,1.4s	85.52	49	eP	P	01 43 24.7 -0.4
KVN	Kaiserville comp=Z,54nm,1.4s	85.52	49	eP	Pmax	Pmax
LON	Longmire comp=Z,14nm,1.2s	85.52	41	eP	P	01 43 25.5 +0.7
SWSC	Sam W. Stewart comp=Z,14nm,1.2s	85.52	55	P	P	01 43 24.2 -0.8
D05A	Enunclaw comp=Z,109nm,1.4s	85.52	40	eP	P	01 43 25.7 +0.8
HEC	Hector,Ludlow bazz=253	85.62	53	P	P	01 43 24.6 -1.0
BELC	Belle Mtn, Jos bazz=254,SNR=13	85.66	54	P	P	01 43 24.9 -1.0
FURC	Furnace Creek, bazz=253,SNR=7.6	85.68	52	P	P	01 43 25.3 -0.4
A04D	Lummi Island bazz=248	85.69	39	P	P	01 43 25.2 -0.2
KNGR	Kungurtug, Tuv DLBC	85.76	323	d/P	P	01 43 26.0 0.0
DLBC	Dease Lake comp=Z,42nm,1.4s	85.89	28	eP	P	01 43 26.7 +0.3
B05A	Bryan bazz=249	85.89	39	P	P	01 43 26.4 -0.1
SHOC	Shoshone, Teco bazz=253,SNR=8.8	85.98	52	P	P	01 43 26.7 -0.5
BC3	Big Chucakwall bazz=254,SNR=6.3	86.00	55	P	P	01 43 27.5 0.0
TUQ	Turquoise Moun bazz=254,SNR=8.5	86.12	53	P	P	01 43 27.3 -0.9
I07A	Izee comp=Z,60nm,1.4s	86.13	44	eP	P	01 43 27.8 -0.2
GMRC	Granite Moun bazz=254,SNR=8.0	86.14	54	P	P	01 43 27.3 -1.0
WVOR	Wild Horse Val comp=Z,73nm,1.4s	86.19	46	eP	P	01 43 28.5 +0.2
WVOR	Wild Horse Val comp=Z,73nm,1.4s	86.19	46	eP	LR	LR
WVOR	Wild Horse Val comp=Z,73nm,1.4s	86.19	46	eP	Pmax	Pmax
WVOR	Wild Horse Val comp=Z,73nm,1.4s	86.19	46	eP	MLR	MLR
WVOR	Wild Horse Val comp=Z,73nm,1.4s	86.19	46	eP	Pmax	Pmax
TPNV	Topopah Spring comp=Z,56nm,1.5s	86.30	51	eP	P	01 43 30.2 +1.2
TPNV	Topopah Spring comp=Z,56nm,1.5s	86.30	51	eP	P	01 43 28.6 -0.4
TIXI	Tiksi comp=Z,21nm,1.3s	86.30	349	d/P	Pmax	Pmax
TIXI	Tiksi comp=Z,53nm,1.3s	86.34	55	eP	P	01 43 30.1 +0.9
GLA	Glamis comp=Z,37nm,1.4s	86.34	55	eP	Pmax	Pmax
GLA	Glamis comp=Z,37nm,1.4s	86.34	55	eP	P	01 43 30.1 +0.9
GLA	Glamis comp=Z,37nm,1.4s	86.34	55	P	P	01 43 29.5 +0.4
IRM	Iron Mountain bazz=254,SNR=13	86.38	54	P	P	01 43 28.8 -0.5
LTY	Liberty comp=Z,21nm,1.3s	86.43	41	eP	P	

YFT	comp=Z,12nm,1.2s	92.21	45	eP	P	01 43 57.7	+0.8
PV19	Morning Glory	92.22	52	eP	P	01 43 58.1	+1.1
FLWY	Flag Ranch	92.22	46	eP	P	01 43 58.2	+1.4
PV23	Carpenter Ridg	92.23	51	eP	P	01 43 58.3	+1.2
PV17	East Wray Mesa	92.23	52	eP	P	01 43 58.0	+0.9
PV20	West Nyswonger	92.24	52	eP	P	01 44 00.8	+3.7
PV16	Nyswonger Mesa	92.27	52	eP	P	01 43 57.2	0.0
PV21	Cone Mtn., Par	92.28	51	eP	P	01 43 57.9	+0.6
PV04	Paradox Valley	92.30	51	eP	P	01 43 57.7	+0.4
PV03	Paradox Valley	92.31	52	eP	P	01 43 57.9	+0.5
PV12	Saucer Basin,	92.36	52	eP	P	01 43 58.1	+0.4
MVCO	Mesa Verde	92.36	53	eP	P	01 43 57.8	+0.1
MVCO	comp=Z,2jum,19.0s				LR		
MVCO	Mesa Verde	92.36	53	P	P	01 43 58.2	+0.5
H17A	Grant Village	92.38	45	eP	P	01 43 59.1	+1.5
H17A	Grant Village	92.38	45	P	P	01 43 59.1	+1.5
YNR	Norris Junction	92.38	45	eP	P	01 43 59.0	+1.3
PV01	Paradox Valley	92.50	52	eP	P	01 43 58.9	+0.6
LKWY	Lake	92.54	45	PFAKE	LR	01 44 10.0	+12
BW06	Boulder Array	92.74	47	eP	P	01 43 58.9	-0.4
BW06	comp=Z,2jum,22.0s				LR		
BW06	Boulder Array	92.74	47	P	P	01 43 59.0	-0.3
PD31	Pinedale Array	92.74	47	eP	P	01 43 59.0	-0.3
PDAR	Pinedale Array	92.74	47	eP	P	01 43 57.9	-1.4
PDAR	Pinedale Array	92.74	47	P	P	01 44 00.0	+0.7
PDAR	comp=Z,1.8nm,0.9s,baz=259,slow=3.0,SNR=17				LR	02 20 14.1	
DGAR	Diego Garcia	92.90	262	PFAKE	LR	01 44 10.0	+10
DGAR	comp=Z,807nm,20.0s				LR		
O20A	White River Ci	93.16	50	eP	P	01 44 01.3	0.0
O20A	White River Ci	93.16	50	P	P	01 44 01.9	+0.6
GM0T	Greycliff	93.31	44	eP	P	01 44 02.1	+0.4
RLMT	Red Lodge	93.44	45	eP	P	01 44 02.9	+0.4
RLMT	comp=Z,20nm,1.5s				LR		
RLMT	Red Lodge	93.44	45	P	P	01 44 02.8	+0.4
ANMO	Albuquerque	93.54	55	eP	P	01 44 03.9	+0.7
ANMO	comp=Z,2jum,20.0s				LR		
ANMO	Albuquerque	93.54	55	P	P	01 44 03.8	+0.7
EGMT	Eagleton	93.73	42	eP	P	01 44 04.1	+0.6
EGMT	comp=Z,79nm,1.9s				LR		
EGMT	Eagleton	93.73	42	P	P	01 44 04.1	+0.6
S22A	4UR Ranch, Cre	93.77	52	eP	P	01 44 05.1	+0.8
S22A	4UR Ranch, Cre	93.77	52	P	P	01 44 04.4	+0.1
MNTX	Cornudas Mount	93.82	59	PFAKE	LR	01 44 20.0	+16
MNTX	comp=Z,3jum,20.0s				LR		
MNTX	Cornudas Mount	93.82	59	P	P	01 44 04.4	+0.1
SMCO	Snowmass	93.93	51	eP	P	01 44 05.4	+0.2
ZAAO	Zalesovo Array	94.20	324	eP	P	01 44 05.2	-0.2
ZALV	Zalesovo Beam	94.20	324	eP	P	01 44 03.6	-1.8
ZALV	Zalesovo Beam	94.20	324	iP	P	01 44 05.0	-0.5
ZALV	comp=Z,11nm,1.0s				LR		
ZALV	Zalesovo Beam	94.20	324	P	P	01 44 04.8	-0.7
ZALV	comp=Z,11nm,1.0s,baz=108,slow=4.8,SNR=29				LR	02 24 36.2	
RWVY	Rawlins	94.23	49	eP	P	01 44 06.6	+0.3
MK01	Makanchi Array	94.26	317	eP	P	01 44 04.5	-1.4
MK31	Makanchi Array	94.27	317	eP	P	01 44 05.6	-0.5
MKAR	Makanchi Array	94.27	317	eP	P	01 44 05.6	-0.5
MKAR	comp=Z,106nm,1.0s				LR		
MKAR	Makanchi Array	94.27	317	eP	P	02 01 05.6	-2.2
MKAR	comp=Z,16nm,1.0s				LR		
MKAR	Makanchi Array	94.27	317	P	P	01 44 05.2	-0.8
MKAR	comp=Z,16nm,1.0s,baz=102,slow=4.2,SNR=52				LR		
MKAR	Makanchi Array	94.27	317	P	P	02 01 05.6	-2.2
MKAR	comp=Z,0.8nm,0.7s,baz=278,slow=2.6,SNR=8.2				LR	02 26 06.0	
MKAR	comp=Z,326nm,21.5s,baz=104,slow=5.0				LR		
YKA	Yellowknife Ar	94.47	27	P	P	01 44 04.8	-1.7
YKBS	Yellowknife Ar	94.47	27	eP	P	01 44 05.4	-1.1
YKWS	Yellowknife Ar	94.48	27	eP	P	01 44 07.1	+0.6
MAKZ	Makanchi	94.49	317	eP	P	01 44 06.5	-0.5
SDCO	Great Sand Dun	94.81	53	PFAKE	LR	01 44 20.0	+11
SDCO	comp=Z,39nm,1.2s				LR		
TXAR	Lajitas Array	94.86	61	LR	LR	02 18 42.6	
ISCO	Idaho Springs	95.08	51	PFAKE	LR	01 44 20.0	+10
ISCO	comp=Z,4jum,22.0s				LR		
NVS	Novosibirsk	95.29	325	eP	P	01 44 09.9	-0.5
NVS	comp=N,10.0nm,2.3s				LR	01 47 59.6	
NVS	comp=E,27nm,2.3s				LR		
NVS	comp=Z,38nm,2.3s				LR		
LAO	LASA Array	95.83	44	eP	P	01 44 13.7	+0.5
LAO	comp=Z,26nm,1.4s				LR		
LAO	LASA Array	95.83	44	P	P	01 44 15.4	+2.2
NR1K	Noril'sk	96.50	339	P	P	01 44 14.9	-0.8
NR1K	comp=Z,2.2nm,0.4s,baz=97,slow=4.2,SNR=8.9				LR	02 27 09.9	
RSSD	Black Hills	96.94	47	eP	P	01 44 19.2	+0.7
RSSD	comp=Z,8.8nm,1.5s				LR		
RSSD	Black Hills	96.94	47	P	P	01 44 19.0	+0.5
KURK	Kurchatov	97.34	320	eP	P	01 44 18.6	-1.2
KURK	comp=Z,11nm,1.3s				LR		
KURK	Kurchatov	97.34	320	eP	LR		
KURK	comp=Z,2jum,19.0s				LR		
KURK	Kurchatov	97.34	320	eP	P	01 44 18.0	-1.9
KURK	comp=Z,10.0nm,1.3s				LR		
AMTY	Amarillo	97.40	56	eP	P	01 44 20.7	0.0
DMGT	Dagmar	97.46	42	PFAKE	LR	01 44 30.0	+9.4
DMGT	comp=Z,930nm,22.0s				LR		
KSH	Kashi	97.61	309	P	P	01 44 24.2	+2.6
KSH	comp=Z,235nm,1.1s				LR	01 44 35.6	+2.6
KSH	comp=Z,568nm,19.0s				LR	01 48 26.6	+7.1
KSH	comp=Z,568nm,19.0s				LR	01 54 58.9	+1.5
KSH	comp=Z,568nm,19.0s				LR	01 55 44.1	-1.1
KSH	comp=Z,568nm,19.0s				LR	01 56 03.6	+4.4

KSH	SS	SS	02 02 28.5	+2.9			
KSH	SS	SS					
KSH	comp=Z,380nm,5.0s						
KSH	comp=Z,250nm,4.9s	LR	LR				
KSH	comp=Z,140nm,4.5s	LR	LR				
KSH	comp=Z,940nm,8.8s	LR	LR				
OGNE	Ogallala	97.96	50	PFAKE	LR	01 44 30.0	+6.9
OGNE	comp=Z,3jum,21.0s				LR		
JCT	Junction City	98.35	61	PFAKE	LR	01 44 40.0	+15
JCT	comp=Z,3jum,20.0s				LR		
NIL	Nilore	99.01	303	PFAKE	LR	01 44 40.0	+12
NIL	comp=Z,434nm,21.0s				LR		
AAK	Ala-Archa	99.12	312	eP	P	01 44 28.5	+0.2
AAK	comp=Z,2.2nm,0.8s				LR		
AAK	Ala-Archa	99.12	312	eP	P	01 44 28.5	+0.2
AAK	comp=Z,2.0nm,0.8s				LR		
AAK	comp=Z,601nm,22.0s				LR		
AAK	Ala-Archa	99.12	312	eP	P	01 44 28.5	+0.2
AAK	comp=Z,2.0nm,0.8s				LR		
CBKS	Cedar Bluff	99.45	52	PFAKE	LR	01 44 40.0	+10
CBKS	comp=Z,2jum,19.0s				LR		
FFC	Flin Flon	99.58	36	PFAKE	LR	01 44 40.0	+10
FFC	comp=Z,3jum,20.0s				LR		
FFC	Flin Flon	99.58	36	iP	P	01 44 32.2	+2.4
KVXT	Kingsville	99.62	64	PFAKE	LR	01 44 40.0	+9.4
KVXT	comp=Z,982nm,20.0s				LR		
WMOK	Wichita Mounta	99.75	56	PFAKE	LR	01 44 40.0	+8.9
WMOK	comp=Z,3jum,19.0s				LR		
WMOK	Wichita Mounta	99.75	56	P	P	01 44 31.2	+0.1
WMOK	comp=Z,3jum,19.0s				LR		
KSU1	Kansas State U	101.91	52	PFAKE	LR	01 44 50.0	+9.5
KSU1	comp=Z,2jum,20.0s				LR		
KK31	Karatay Array	102.07	312	eP	P	01 44 40.7	-0.5
KK31	Karatay Array	102.07	312	eP	P	01 44 40.7	-0.5
KKAR	Karatay Array	102.07	312	eP	P	01 44 41.9	+0.7
KKAR	Karatay Array	102.07	312	eP	P	01 44 41.9	+0.7
ECSD	EROS Data Cent	102.23	47	PFAKE	LR	01 44 50.0	+8.1
ECSD	comp=Z,2jum,22.0s				LR		
PAYG	Puerto Ayora	102.47	93	PFAKE	LR	01 45 00.0	+16
PAYG	comp=Z,1jum,20.0s				LR		
BRVK	Borovoye	102.69	322	PFAKE	LR	01 45 00.0	+16
BRVK	comp=Z,354nm,19.0s				LR		
NATX	Nacogdoches	102.88	60	PFAKE	LR	01 45 00.0	+15
NATX	comp=Z,3jum,22.0s				LR		
MIAR	Mount Ida	104.00	57	PFAKE	LR	01 45 00.0	+10
MIAR	comp=Z,3jum,20.0s				LR		
SCIA	State Center	104.64	49	PFAKE	LR	01 45 00.0	+7.3
SCIA	comp=Z,3jum,19.0s				LR		
EYMN	Ely	105.90	43	PFAKE	LR	01 49 20.0	+9.5
EYMN	comp=Z,2jum,21.0s				LR		
COWI	Conover	107.57	45	PFAKE	LR	01 49 30.0	+16
COWI	comp=Z,2jum,19.0s				LR		
HDIL	Hopedale	107.59	51	PFAKE	LR	01 49 30.0	+16
HDIL	comp=Z,2jum,21.0s				LR		
ARU	Arti	109.24	326	PFAKE	LR	01 49 30.0	+14
ARU	comp=Z,359nm,19.0s				LR		
BRAL	Brewton	109.33	61	PFAKE	LR	01 49 30.0	+13
BRAL	comp=Z,1jum,20.0s				LR		
JTS	JuntasAbangare	109.58	83	PFAKE	LR	01 49 30.0	+12
JTS	comp=Z,739nm,20.0s				LR		
GLMI	Grayling	110.83	46	PFAKE	LR	01 49 30.0	+10
GLMI	comp=Z,1jum,20.0s				LR		
KBS	Kingsbay	111.02	355	PFAKE	LR	01 49 30.0	+11
KBS	comp=Z,471nm,20.0s				LR		
LCO	Las Campanas	111.67	127	PFAKE	LR	01 49 30.0	+7.7
LCO	comp=Z,1jum,20.0s				LR		
AAM	Ann Arbor	111.74	49	PFAKE	LR	01 49 30.0	+8.4
AAM	comp=Z,3jum,19.0s				LR		
GOGA	Godfrey	112.37	58	PFAKE	LR	01 49 40.0	+17
GOGA	comp=Z,2jum,21.0s				LR		
ACSO	Alum Creek Sta	112.42	51	PFAKE	LR	01 49 40.0	+17
ACSO	comp=Z,3jum,22.0s				LR		
NNA	Nana	112.72	108	PFAKE	LR	01 49 40.0	+16
NNA	comp=Z,508nm,20.0s				LR		
TRQA	Tornquist	113.15	140	PFAKE	LR	01 49 40.0	+15
TRQA	comp=Z,3.0nm,20.0s				LR		
ABPO	Ambohimanom	113.44	244	PFAKE	LR	01 49 40.0	+14
ABPO	comp=Z,525nm,20.0s				LR		
OTAV	Otavallo	114.25	95	PFAKE	LR	01 49 40.0	+12
OTAV	comp=Z,763nm,19.0s				LR		
BCIP	Isla Barro Col	114.42	85	PFAKE	LR	01 49 40.0	+12
BCIP	comp=Z,707nm,22.0s				LR		
BLA	Blacksburg	114.66	54	PFAKE	LR	01 49 40.0	+13
BLA	comp=Z,2jum,20.0s				LR		
NHSC	New Hope	115.14	59	PFAKE			



Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for Cruz Islands, DZM, WRA, ASAR, ILAR.

MOS 10 02:37:45.2±1.8, 40.86N-47.72E, h14km, mb3.7/1, Error ellipse: s-maj=18.6km s-min=5.9km az=105.1

Main table for Eastern Caucasus region with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for AKT, URKR, KMKR, DRN, LGD, GNB, etc.

ISCBJ 10 02:38:33.0±0.2, 10.88S-0.04-165.74E, h10km, mb4.8/103, MS4.1/12, Error ellipse: s-maj=5.8km s-min=4.8km az=143.0

IDC 10 02:38:33.0±0.5, 10.84S-165.81E, h0km, mb4.5/19, mb1.4/6.21, mb1mx4.6/34, mbtmp4.5/21, ML3.2, MS4.1/12, Ms1.4/0.12, ms1mx3.8/36, Error ellipse: s-maj=18.9km s-min=14.5km az=120.0

NEIC 10 02:38:36.8±1.4, 10.84S-165.77E, h23km, 9km, mb4.9/80, Error ellipse: s-maj=4.2km s-min=3.7km az=152.0

ISC 10 02:38:34.6±0.1, 10.88S-0.06-165.84E, h10km, n165, s+103/161, mb4.8/103, MS4.2/12, 1C, Santa Cruz Islands

Main table for Santa Cruz Islands region with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for HNR, MARNC, DZM, CTM, etc.

Main table for 2013 FEB with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for TOO, LTZ, ASO1, AS31, ASAR, etc.

Main table for 2013 FEB with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for TIXI, NV11, KVN, I07A, J08A, etc.

ISCBJ 10 02:41:02.0±0.8, 31.32S-0.03-68.99W, h116km, 6km, Error ellipse: s-maj=6.4km s-min=4.3km az=4.3

GUC 10 02:41:02.0±1.0, 6.31S-305.6914W, h162km, 26km, ML3.7, SJA 10 02:41:02.0±0.7, 31.31S-68.98W, h108km, 3km, ML3.5, MW3.7

ISC 10 02:41:03.1±1.5, 31.31S-0.03-68.99W, h0.05, h110km, n23, o059/38, 2C-4D, San Juan Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for RTLL, RTLS, AMOC, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ASAL Salagasta, ARCO CERRO ARCO, ARCO, CMCH Combarbala, etc.

WEL 10:02:43:18.9:0.8,37'S:8°x17'7E±1, h274km±8km, Off east

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists numerous stations including KUZ Kautounga, TGRZ Tauranga, OPRZ Ohinepanea, etc.

Table with columns: PLWZ Palliser, TUNZ Tuamarina, NNW Nelson, etc. Includes station codes and coordinates.

ISC 10:02:45:38.5:1.7,11.04S:166:97E,h0km,mb4.1/10, mb1 4.2/10, mb1mx4.0/36, mbtmp4.0/10, MS4.0/1, Ms1 4.0/1, ms1mx3.1/31, Error ellipse: s-maj=72.2km

s-min=19.5km az=143.0, ISJCJB 10:02:54:1.4:1.4, 11.1S:0:3:166:9E:0.3, h28km, mb4.0/10, MS3.0/1, Error ellipse: s-maj=61.7km s-min=16.7km az=142.0

ISC 10:02:45:42.9:1.6, 11.1S:0:4:167:0E:0.3, h28km, n11, 0:95N/10, mb4.0/10, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes CTA Charters Tower, WRA Warramunga Arr, etc.

ISC 10:02:49:12.7:0.6, 11.79S:165:30E, h0km, mb4.3/16, mb1 4.5/18, mb1mx4.4/38, mbtmp4.3/18, ML4.4/2, MS3.5/3, Ms1 3.5/3, ms1mx3.1/35, Error ellipse: s-maj=20.4km

ISCJB 10:02:16.5:0.3, 11.84S:0:06:165:20E:0.05, h33km, mb4.5/51, MS3.7/1, Error ellipse: s-maj=9.0km s-min=6.1km az=163.6

NEIC 10:02:49:16.1:2.1, 11.81S:165:31E, h21km±14km, mb4.7/38, Error ellipse: s-maj=5.5km s-min=4.7km az=174.0

ISC 10:02:49:18.0:0.5, 11.85S:0:08:165:25E:0.08, h35km, n8, 0:95N/94, mb4.6/51, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes HNR Honiara, HNR, etc.

ISC 10:02:54:34.4:1.1, 11.85S:165:36E, h0km, mb3.8/7, mb2 4.1/8, mb1mx3.8/30, mbtmp3.8/8, ML3.8/1, Error ellipse: s-maj=45.5km s-min=22.6km az=141.0

ISCJB 10:02:54:37.8:0.8, 12.0S:0:1:165:3E:0.2, h33km, mb3.7/7, Error ellipse: s-maj=23.6km s-min=17.5km az=25.4

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes DZM Mont Dzumac, WRA Warramunga Arr, etc.

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

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ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

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ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

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ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

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ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

Table with columns: KVN Kaiserville, HAWA Hanford, R11A Troy Canyon, etc. Includes station codes and coordinates.

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

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ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

ISC 10:02:54:39.6:0.9, 11.9S:0:1:165:4E:0.2, h35km, n8, 0:94N/8, mb3.7/7, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAR, FITZ, STKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAR, FITZ, STKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PYLO, VIEF, LABF, etc.

IDC 10 03:16:05.8:0.8,29.12N:142.58E,h0km,mb3.6/12, mb1 3.9/14, mb1mx3.9/38, mbtmp3.7/14, ML3.3/3, Error ellipse: s-maj=26.1km s-min=14.8km az=86.0

ISCJB 10 03:16:08.3:0.6,29.20N:0.05:142E:0.1,h27km,mb3.6/12, Error ellipse: s-maj=17.8km s-min=6.2km az=169.6

ISC 10 03:16:10.0:0.7,29.18N:0.06:142E:0.1,h27km,n17, a=122/20,mb3.6/12, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JCJ, JCH, JHU, etc.

IDC 10 03:45:04.6:1.6,9.74S:125.21E,h0km,mb3.7/1, mb1 3.8/4, mb1mx3.4/48, mbtmp3.6/4, ML3.6/2, Error ellipse: s-maj=26.7km s-min=16.7km az=164.0, Timor region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BATI, FITZ, WRA, etc.

IDC 10 03:46:44.3:1.4,11.46S:165.05E,h0km,mb3.9/6, mb1 4.1/7, mb1mx3.7/51, mbtmp3.9/7, ML3.8/1, MS3.1/1, Ms1 3.1/1, ms1mx2.7/31, Error ellipse: s-maj=45.3km s-min=26.4km az=126.0

ISCJB 10 03:46:47.7:0.9,11.65S:0.1:165.0E:0.2,h34km,mb3.8/6, Error ellipse: s-maj=27.5km s-min=18.0km az=4.8

ISC 10 03:46:49.4:1.0,11.55S:0.1:165.1E:0.2,h34km,n8, a=1900/7,mb3.8/6,Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR, DZM, WRA, etc.

IDC 10 03:22:23.2:1.8,10.89S:165.71E,h0km,mb3.7/4, mb1 3.9/5, mb1mx3.6/39, mbtmp3.7/5, ML3.0/1, Error ellipse: s-maj=52.6km s-min=31.6km az=120.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM, WRA, ASAR, etc.

IDC 10 03:24:24.0:1.6,11.08S:165.56E,h0km,mb3.6/4, mb1 3.9/5, mb1mx3.6/40, mbtmp3.7/5, ML3.7/1, Error ellipse: s-maj=51.3km s-min=29.2km az=124.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM, WRA, ASAR, etc.

ISCJB 10 03:42:09.8:0.4,5.15S:0.06:150.74E:0.09,h200km, mb4.0/21, Error ellipse: s-maj=12.5km s-min=7.4km az=20.3

NEIC 10 03:42:12.7:0.7,5.17S:150.80E,h218km,7km,mb4.1/8, Error ellipse: s-maj=11.2km s-min=6.3km az=110.0

IDC 10 03:42:15.7:1.7,5.24S:150.70E,h245km,16km,mb3.8/15, mb1 3.9/16, mb1mx3.6/45, mbtmp4.3/16, Error ellipse: s-maj=14.3km s-min=9.1km az=109.0

ISC 10 03:42:11.1:0.5,5.18S:0.08:150.7E:0.1,h200km,n38, a=174/42,mb4.2/21, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RABL, COEN, CTA, etc.

SJA 10 03:51:11.8:0.3,31.39S:65.16W,h11km,1km,ML2.7, MW3.5,Cordoba Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MRA, APPL, ACAN, etc.

MDD 10 04:00:16.1:0.6,43.03N:0.19W,h0km,mbLg2.6/1, Error ellipse: s-maj=3.6km s-min=3.2km az=1.0,PRXIMO

LDG 10 04:00:15.7:0.0,43.03N:0.20W,h2km,Md1.5/3, Error ellipse: s-maj=2.7km s-min=0.7km az=175.0,Pyrenees

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ETSF, ETSF, ETSF, etc.

MDD 10 04:00:43.7:0.2,43.07N:0.19W,h3km,2km,mbLg2.8/18, Error ellipse: s-maj=2.5km s-min=1.7km az=0.0,PRXIMO

MRB 10 04:00:43.4:0.5,43.07N:0.20W,h5km,5km,ML2.5/11, Error ellipse: s-maj=2.1km s-min=1.3km az=186.0

INMG 10 04:00:43.8:1.3,43.09N:0.19W,h5km,3km,ML2.4, Error ellipse: s-maj=3.8km s-min=1.9km az=26.0

LDG 10 04:00:43.1:0.1,43.04N:0.11W,h2km,Md2.9/3,Ml3.1/34, Error ellipse: s-maj=1.0km s-min=0.9km az=54.0

STR 10 04:00:43.9:0.2,43.3N:0.3W,h5km,Ml2.6/7,MLV2.6/5,1C,Pyrenees

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ETSF, ETSF, ETSF, etc.



0.6m,0.8s,baz=232,slow=5.0,SNR=5.3  
**MKAR Makanchi Array** 93.31 317 P P 04 28 56.3 -0.9  
 0.2m,0.7s,baz=116,slow=3.4,SNR=2.1  
**YKA Yellowknife Ar** 94.74 27 P P 04 29 02.5 -0.9  
 0.1m,0.7s,baz=238,slow=5.3,SNR=3.4

**IDC 10 04:17:54.0+1.7,10.665x165.83E,h0km,mb3.5/3,  
 mb1 3.9/4,mb1mx3.5/29,mbtmp3.7/4,ML3.9/1,Error  
 ellipse: s-maj=55.0km s-min=30.6km az=127.0, Santa  
 Cruz Islands**

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
DZM	Mont Dzumac	11.36	173	Pn			04 20 37.5	-0.3
H1S12	WAKE ISLAND Hy 28.98	2	T				04 54 20.3	
H1S13	WAKE ISLAND Hy 28.98	2	T				04 54 21.9	
H1S11	WAKE ISLAND Hy 29.00	2	T				04 54 22.4	
H1H11	WAKE ISLAND Hy 30.20	2	T				04 55 52.3	
H1H13	WAKE ISLAND Hy 30.21	2	T				04 55 52.8	
H1H12	WAKE ISLAND Hy 30.22	2	T				04 55 54.0	
WRA	Warramunga Arr	31.70	249	P			04 24 20.1	+0.3
ASAR	Alice Springs	33.04	243	P			04 24 31.2	-0.3
ILAR	Eielson Array	83.12	19	P			04 30 21.5	0.0

**IDC 10 04:19:14.3+1.7,10.945x165.22E,h0km,mb3.6/5,  
 mb1 3.8/6,mb1mx3.6/27,mbtmp3.7/6,ML3.5/1,Error  
 ellipse: s-maj=49.4km s-min=28.3km az=126.0,  
 Santa Cruz Islands**

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
DZM	Mont Dzumac	11.10	174	Pn			04 21 56.2	+0.3
CTA	Charters Tower	20.21	241	Pn			04 31 53.8	+0.4
H1S12	WAKE ISLAND Hy 29.31	3	T				04 55 51.7	
H1S13	WAKE ISLAND Hy 29.31	3	T				04 55 48.9	
H1S11	WAKE ISLAND Hy 29.33	3	T				04 55 51.7	
H1H11	WAKE ISLAND Hy 30.53	3	T				04 57 26.4	
H1H13	WAKE ISLAND Hy 30.54	3	T				04 57 26.2	
H1H12	WAKE ISLAND Hy 30.55	3	T				04 57 27.0	
WRA	Warramunga Arr	31.01	250	P			04 25 34.1	-0.1
ASAR	Alice Springs	33.28	243	P			04 25 44.5	-1.6
ILAR	Eielson Array	83.61	19	P			04 31 43.2	-0.9
MKAR	Makanchi Array	93.11	317	P			04 32 31.5	+1.4

**IDC 10 04:21:40.1+1.0,23.35N:65.03E,h0km,mb3.7/9,  
 mb1 3.8/10,mb1mx3.5/49,mbtmp3.7/10,ML3.4/1,Error  
 ellipse: s-maj=28.2km s-min=24.1km az=175.0,  
 Bougainville-Solomon Islands**

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
WSAR	Wadi Sarin	5.72	270	Pn			04 23 07.8	+0.2
AAK	Ala-Archa	20.79	20	P			04 26 22.8	-0.6
MKAR	Makanchi Array	27.23	27	P			04 27 26.1	+0.2
H08N2	Diego Garcia H	30.15	168	T			04 59 13.9	
H08N3	Diego Garcia H	30.17	168	T			04 59 14.2	
H08N1	Diego Garcia H	30.17	168	T			04 59 11.3	
SOMN	Songino Array	40.97	43	P			04 35 22.6	-2.1
SONM	Songino Array	40.97	43	P			04 31 26.1	+1.7
ARCES	ARCCESS Array B	51.71	343	P			04 30 49.5	+1.0
KSRS	Korea Array	55.23	60	P			04 31 13.6	-1.2
TORD	Torodi Ar. Bea	59.27	27	P			04 31 52.6	+0.9
WRA	Warramunga Arr	80.28	117	P			04 33 52.2	-0.6
ASAR	Alice Springs	81.75	120	P			04 34 00.5	-0.2
YKA	Yellowknife Ar	94.40	360	P			04 35 02.8	+1.7
NVAR	Mina Array Bea	118.42	3	PKP			04 40 30.4	+0.7

**IDC 10 04:23:22.3+12.0,11.33S:165.57E,h0km,mb3.7/3,  
 mb1 3.8/3,mb1mx3.5/27,mbtmp3.7/3,Error ellipse:  
 s-maj=358.7km s-min=53.3km az=125.0, Santa Cruz  
 Islands**

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
WRA	Warramunga Arr	31.23	250	P			04 29 43.8	0.0
SOMN	Songino Array	78.79	324	P			04 35 27.4	+0.2
MKAR	Makanchi Array	93.54	317	P			04 36 40.4	-0.3

**IDC 10 04:28:22.4+1.1,11.38S:165.05E,h0km,mb3.9/8,  
 mb1 4.2/9,mb1mx3.9/28,mbtmp3.9/9,ML3.6/1,Error  
 ellipse: s-maj=37.4km s-min=23.7km az=135.0,  
 Bougainville-Solomon Islands**

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
DZM	Mont Dzumac	10.62	173	Pn			04 30 57.3	-0.1
H1S12	WAKE ISLAND Hy 28.98	3	T				05 05 41.6	
H1S13	WAKE ISLAND Hy 28.92	3	T				05 05 41.2	
H1S11	WAKE ISLAND Hy 29.83	3	T				05 05 41.6	
WRA	Warramunga Arr	30.72	250	P			04 34 38.9	-0.6
H1H11	WAKE ISLAND Hy 31.04	3	T				05 07 11.4	
H1H13	WAKE ISLAND Hy 31.04	3	T				05 07 12.5	
H1H12	WAKE ISLAND Hy 31.05	3	T				05 07 12.7	
ASAR	Alice Springs	32.02	244	P			04 34 50.0	-0.1
ASAR	Chiang Mai Arr	71.69	294	P			04 39 46.8	+0.3
SOMN	Songino Array	78.62	324	P			04 40 25.4	-0.6
ILAR	Eielson Array	84.12	19	P			04 40 54.8	+0.2

0.6m,0.7s,baz=239,slow=4.9,SNR=7.2  
**NVAR Mina Array Bea** 86.80 50 P P 04 41 09.3 +0.4  
 0.5m,0.7s,baz=216,slow=5.5,SNR=3.6  
**MKAR Makanchi Array** 93.38 317 P P 04 41 39.9 +0.6  
 0.3m,0.6s,baz=102,slow=5.6,SNR=5.9  
**YKA Yellowknife Ar** 95.65 27 P P 04 41 48.1 -1.1  
 0.2m,0.7s,baz=253,slow=5.2,SNR=4.0

**ISCJB 10 04:35:53.6+0.4,10.97S:0.06:165.76E:0.06,h10km,  
 mb4.3/17,MS3.7/7,Error ellipse: s-maj=9.0km  
 s-min=8.6km az=44.5, Bougainville-Solomon Islands**

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
HNR	Honiara	6.00	284	eP			04 37 25.0	+0.9
HNR	Honiara	6.00	284	eP			04 37 25.2	+1.1
HNR	Honiara	6.00	284	eP			04 38 32.0	-0.8
HNR	Honiara	6.00	284	eP			04 39 58.5	
DZM	Mont Dzumac	11.04	177	eP			04 38 34.9	+1.5
DZM	Mont Dzumac	11.04	177	eP			04 41 07.3	
DZM	Mont Dzumac	11.04	177	eP			04 41 37.4	+1.0
DZM	Mont Dzumac	11.04	177	eP			04 40 33.1	-3.9
DZM	Mont Dzumac	11.04	177	eP			04 42 14.1	
DZM	Mont Dzumac	11.04	177	eP			04 38 44.8	+3.0
DZM	Mont Dzumac	11.04	177	eP			04 40 29.2	+1.1
CTA	Charters Tower	20.91	242	P			04 40 39.1	+1.1
CTA	Charters Tower	20.91	242	P			04 40 39.0	+1.1
COEN	Coen	22.32	260	eP			04 45 57.7	+0.4
H1S12	WAKE ISLAND Hy 29.30	2	T				05 12 27.3	
H1S13	WAKE ISLAND Hy 29.30	2	T				05 12 26.1	
H1S11	WAKE ISLAND Hy 29.32	2	T				05 12 28.7	
H1H11	WAKE ISLAND Hy 30.52	2	T				05 15 38.3	
H1H13	WAKE ISLAND Hy 30.53	2	T				05 14 01.2	
H1H12	WAKE ISLAND Hy 30.54	2	T				05 13 58.6	
STKA	Stephens Creek	30.55	223	P			04 42 09.8	+0.8
STKA	Stephens Creek	30.55	223	P			04 45 08.7	+0.7
STKA	Stephens Creek	30.55	223	P			04 52 56.5	
WRAB	Tennant Creek	31.57	250	eP			04 42 16.9	-1.3
WRAB	Tennant Creek	31.57	250	eP			04 42 17.6	-0.7
WRAB	Tennant Creek	31.57	250	eP			04 45 11.6	+0.7
WRA	Warramunga Arr	31.59	250	P			04 55 15.5	
WRA	Warramunga Arr	31.59	250	P			04 55 15.5	
GUMO	Guam	32.07	319	LR			04 55 44.9	
ASAR	Alice Springs	32.90	243	P			04 42 28.6	-1.2
ASAR	Alice Springs	32.90	243	P			04 45 14.8	+0.4
ASAR	Alice Springs	32.90	243	P			04 56 05.9	
RPZ	Rata Peaks	32.92	173	P			04 45 21.9	-0.7
PPT	Papeete	43.62	104	eLR			04 58 15.5	
PPT2	Papeete2	43.63	104	eLR			04 56 18.0	
TAOE	Nuku Hiva Isla	53.26	93	eLR			05 00 40.2	
MJAR	Matushiro Arr	59.30	332	P			04 45 18.1	-1.2
RKT	Rikitea	57.53	110	eLR			05 02 39.0	
ASAJ	Asahikawa	58.77	341	P			04 45 52.0	-1.5
ASAJ	Asahikawa	58.77	341	P			05 06 48.9	
KSRS	Korea Array	59.88	326	LR			05 11 19.9	
HHC	Hu-ho-hao-te	71.84	320	eP			04 47 16.7	-1.8
HHC	Hu-ho-hao-te	71.84	320	eP			04 47 21.2	+0.4
SOMN	Songino Array	78.62	324	P			04 47 57.8	+0.1
SOMN	Songino Array	78.62	324	P			04 47 57.3	-0.4
BILL	Bilibino	78.82	0	eP			04 47 58.8	+0.9
GTA	Goatai	79.08	314	eP			04 48 01.4	+1.2
GTA	Goatai	79.08	314	eP			04 48 11.1	+1.5
GTA	Goatai	79.08	314	eP			04 48 13.9	+1.0
IL1	Eielson Array	83.43	18	eP			04 48 22.6	+0.1
ILAR	Eielson Array	83.43	18	eP			04 48 22.6	0.0
ILB	Eielson Array	83.43	18	eP			04 48 22.9	+0.3
MOC	Modoc Plateau	85.54	46	eP			04 48 34.8	+0.8
TUD	Tucson	90.28	57	eP			04 48 57.9	+1.1
MK01	Makanchi Array	93.53	317	eP			04 49 11.1	-0.4
MK01	Makanchi Array	93.54	317	eP			04 49 11.4	-0.1
MK01	Makanchi Array	93.54	317	eP			04 49 10.4	-1.1
YKA	Yellowknife Ar	94.88	27	P			04 49 14.9	-2.3
ESDC	Sonsea Array	150.02	344	PKPbc			04 55 45.4	-1.1

**IDC 10 04:35:53.2+0.4,10.98S:0.07:165.84E:0.09,h10km,n45,  
 r133/38,mb4.3/17,MS3.7/7,Error ellipse: s-maj=9.0km  
 s-min=8.6km az=44.5, Bougainville-Solomon Islands**

Code	Station Name	Δ°	AZ°	Phase ID	Op	ISC	Time	Res
							h m s	ISC
HNR</								







J52A	baz=121 Paris	35.78 327	P	P	05 34 00.4 +0.1
R45A	baz=148 Skylar, Fairfri	35.80 334	P	P	05 34 01.0 +0.5
U43A	baz=132,SNR=9.3 Rector	35.88 319	P	P	05 34 01.2 +0.1
N48A	baz=128,SNR=10 Decatur	35.88 330	P	P	05 34 01.7 +0.6
DELO	baz=138 Deloro Mine	35.88 341	P	P	05 34 01.6 +0.4
ACTO	baz=153 Acton	35.94 338	P	P	05 34 02.5 +0.9
Y41A	baz=144 Eaglebe Beard	35.95 314	P	P	05 34 01.9 0.0
SIUC	baz=122 Southern Illin	35.98 322	eP	P	05 34 02.8 +0.8
S44A	comp=Z,94nm,0.9s Carbondale	35.99 322	P	P	05 34 02.6 +0.6
OLIL	baz=130,SNR=17 Olney	35.99 324	eP	P	05 34 03.0 +0.8
O47A	comp=Z,124nm,0.9s Sheridan	36.00 328	P	P	05 34 03.2 +1.0
ELFO	baz=137 Elginfield	36.07 336	P	P	05 34 03.6 +0.8
ALFO	baz=147 Alfred	36.10 345	P	P	05 34 03.4 +0.4
P46A	baz=158 Rosedale	36.11 326	P	P	05 34 04.0 +0.9
Q45A	baz=135,SNR=7.0 Warren Harvey,	36.14 324	P	P	05 34 04.1 +0.7
PBMO	baz=133,SNR=10 Poplar Bluff	36.14 320	eP	P	05 34 03.2 -0.2
V42A	comp=Z,37nm,0.8s Cord	36.18 318	P	P	05 34 03.7 -0.1
M48A	baz=126,SNR=11 Edgerton	36.20 331	P	P	05 34 04.0 +0.1
X41A	baz=140 Kaden, Bauxite	36.21 315	P	P	05 34 03.8 -0.3
N47A	baz=123,SNR=6.6 Urbana	36.23 329	P	P	05 34 04.4 +0.3
T43A	baz=138 Greenville	36.24 320	P	P	05 34 03.9 -0.3
R44A	baz=128,SNR=12 Waltonville	36.24 323	P	P	05 34 04.7 +0.5
P45A	baz=131,SNR=24 Graceland, Par	36.34 326	eP	P	05 34 06.2 +1.2
P45A	baz=133,SNR=10 Graceland, Par	36.34 326	eP	P	05 34 05.8 +0.7
AAM	baz=134,SNR=5.3 Ann Arbor	36.35 333	P	P	05 34 05.3 +0.2
W41B	baz=143 Gary Mavity, V	36.40 316	eP	P	05 34 05.5 -0.1
W41B	comp=Z,46nm,1.4s Gary Mavity, V	36.40 316	eP	P	05 36 28.4 -0.1
U42A	baz=124 Reviden	36.40 318	P	P	05 34 05.7 0.0
S43A	baz=126,SNR=8.7 Fulton Ridge,	36.41 321	P	P	05 34 05.5 -0.2
NATX	baz=129,SNR=24 Nacogdoches	36.42 309	eP	P	05 34 06.7 +0.8
NATX	comp=Z,26nm,0.7s Nacogdoches	36.42 309	eP	P	05 34 06.0 +0.1
LABX	baz=117 N Adams	36.42 331	P	P	05 34 06.3 +0.5
BANO	baz=141 Bancroft	36.43 341	P	P	05 34 06.8 +1.0
X40A	baz=153 Basin Creek Fa	36.43 315	eP	P	05 34 06.0 0.0
X40A	comp=Z,5.5nm,0.8s Basin Creek Fa	36.43 315	eP	P	05 34 06.0 0.0
WHAR	baz=122 Woolly Hollow	36.49 316	eP	P	05 34 06.5 +0.1
M47A	comp=Z,18nm,1.1s Cromwell	36.55 330	P	P	05 36 28.7 -0.1
TRQ	baz=139 Mont Tremblant	36.57 345	eP	P	05 34 07.5 +0.7
SFIN	baz=136 Lafayette	36.59 327	P	P	05 34 09.0 +1.9
Q44A	baz=136 Meyer Farm, Va	36.64 324	eP	P	05 34 08.2 +0.5
Q44A	comp=Z,104nm,0.8s Meyer Farm, Va	36.64 324	eP	P	05 34 08.1 +0.5
K49A	baz=132,SNR=15 Clarkson	36.64 333	P	P	05 34 08.4 +0.7
V41A	baz=143 Mountainview	36.68 317	P	P	05 34 07.7 -0.4
T42A	baz=125,SNR=20 Van Buren	36.71 320	eP	P	05 34 08.2 -0.1
T42A	comp=Z,29nm,1.2s Van Buren	36.71 320	eP	P	05 34 07.9 -0.4
R43A	baz=127,SNR=6.5 Red Bud	36.77 322	P	P	05 34 08.6 -0.1
N46A	baz=130,SNR=9.2 Monticello	36.77 328	P	P	05 34 09.4 +0.6
BWLO	baz=137,SNR=5.4 Walkerton	36.78 337	P	P	05 34 08.6 -0.2
GO02	baz=148 Mina Guanaco	36.79 191	eP	P	05 34 09.5 +0.2
P44A	comp=Z,25nm,0.9s Sand Creek, WI	36.79 325	P	P	05 34 09.6 +0.6
PEMO	baz=133,SNR=9.3 Pembroke	36.81 342	P	P	05 34 10.0 +1.0
L47A	baz=155 Sherwood	36.81 331	P	P	05 34 09.3 +0.2
U41A	baz=140 Viola	36.84 318	P	P	05 34 09.4 -0.1
FVM	baz=126,SNR=8.9 French Village	36.88 321	eP	P	05 34 09.9 +0.1
FVM	comp=Z,35nm,1.1s French Village	36.88 321	eP	P	05 34 09.9 +0.1
FVM	comp=Z,36nm,1.1s Ashfield	36.90 336	P	P	05 34 10.9 +1.1
BASO	baz=147 Perry	36.95 333	P	P	05 34 10.9 +0.6
M46A	baz=142 Old House Field	36.95 329	eP	P	05 34 11.3 +1.0
M46A	comp=Z,29nm,1.8s Old House Field	36.95 329	eP	P	05 34 11.0 +0.8
J49A	baz=138 Marlette	36.97 334	P	P	05 34 10.7 +0.3
S42A	baz=144 Caledonia	36.98 321	P	P	05 34 10.2 -0.4
MIAR	baz=128,SNR=15 Mount Ida	36.98 314	P	P	05 34 09.8 -0.8
Q43A	baz=122 New Douglas	37.06 323	P	P	05 34 11.3 +0.1
N45A	baz=131,SNR=5.6 Kentland	37.15 327	P	P	05 34 12.3 +0.4
T41A	baz=136 Mountain View	37.15 319	P	P	05 34 11.7 -0.3
O44A	baz=126,SNR=19 Mansfield	37.17 326	P	P	05 34 12.6 +0.4
J48A	baz=134,SNR=10 Bridge Port	37.20 333	P	P	05 34 09.5 -2.8
K47A	baz=141 Vermontville	37.25 332	P	P	05 34 12.8 0.0
LA2Q	baz=144 La Tugue	37.27 348	P	P	05 34 14.3 +1.5
R42Q	baz=162 Luebbering	37.30 321	P	P	05 34 13.3 +0.1
ALGO	baz=129,SNR=19 Algonquin Park	37.30 342	P	P	05 34 13.7 +0.6
SPB	baz=154 Sao Paulo	37.34 158	eP	P	05 34 15.1 +1.4
M45A	comp=Z,14nm,1.0s Boilermakers S	37.40 328	P	P	05 34 14.6 +0.5
P43A	baz=137 Skaggs, Pawnee	37.42 324	P	P	05 34 14.7 +0.5
CCM	baz=132,SNR=43 Cathedral Cave	37.44 321	eP	P	05 34 14.1 -0.3
CCM	comp=Z,115nm,1.6s Cathedral Cave	37.44 321	eP	P	05 36 31.4 -0.2
CCM	comp=Z,115nm,1.6s Cathedral Cave	37.44 321	eP	P	05 34 14.1 -0.3
CCM	comp=Z,115nm,1.6s Cathedral Cave	37.44 321	eP	P	05 34 14.3 -0.1
N44A	baz=128 Piper City	37.44 327	P	P	05 34 14.7 +0.3
S41A	baz=135,SNR=5.1 Jillico Farms,	37.47 320	P	P	05 34 14.2 -0.5
U40A	baz=127,SNR=26 Yellville	37.47 317	P	P	05 34 14.3 -0.5
W39A	baz=124,SNR=6.8 Magazine	37.47 315	eP	P	05 34 15.1 +0.3

W39A	Magazine	37.47 315	P	P	05 34 14.9 +0.2
CPUP	baz=122,SNR=6.5 Villa Florida	37.50 173	eP	P	05 34 15.0 0.0
CPUP	comp=Z,19nm,0.8s Villa Florida	37.50 173	eP	P	05 34 15.0 0.0
CPUP	comp=Z,18nm,0.8s Villa Florida	37.50 173	P	P	05 34 15.2 +0.2
CPUP	comp=Z,17nm,0.7s, baz=352,slow=8.1,SNR=46		LR		05 50 19.7
Q42A	comp=Z,297nm,20.7s, baz=354,slow=37		LR		05 50 19.7
E53A	baz=130,SNR=14 Golden Eagle	37.54 322	P	P	05 34 15.2 0.0
K46A	baz=154 Dunne, Ponti	37.57 342	P	P	05 34 15.4 0.0
R41A	baz=140 Dorr	37.63 331	P	P	05 34 16.3 +0.2
O43A	baz=133,SNR=24 Sugar Creek Fa	37.74 325	P	P	05 34 17.2 +0.3
AHML	baz=138 Horco Mollie	37.80 185	P	P	05 34 17.0 -0.6
M44A	baz=137 Midewin, Midew	37.81 327	P	P	05 34 17.5 -0.1
P42A	baz=136 Winchester	37.86 323	eP	P	05 34 17.9 0.0
P42A	comp=Z,80nm,0.8s Winchester	37.86 323	eP	P	05 36 32.8 -0.1
F51A	baz=131,SNR=20 Arnstein	37.89 340	P	P	05 34 19.0 +0.9
HDIL	baz=151 Hopedale	37.91 325	eP	P	05 34 18.6 +0.3
HDIL	comp=Z,35nm,1.1s Hopedale	37.91 325	eP	P	05 34 18.7 +0.3
D54A	baz=133 Lac Fusel, La	37.98 344	P	P	05 34 18.9 0.0
Q41A	baz=156 Truxton	37.99 322	P	P	05 34 18.8 -0.2
N42A	baz=129,SNR=15 Stutzman Famil	38.10 326	P	P	05 34 19.7 -0.3
O43A	baz=134 Bath	38.11 324	P	P	05 34 20.0 -0.1
HHAR	baz=132,SNR=6.3 Hobbs	38.16 316	eP	P	05 34 20.2 -0.3
HHAR	comp=Z,11nm,0.9s Hobbs	38.16 316	eP	P	05 34 41.3 +1.9
HHAR	comp=Z,11nm,0.9s Hobbs	38.16 316	eP	P	05 34 33.0 -0.3
435B	baz=144 Jarrell	38.27 306	eP	P	05 34 21.7 +0.1
435B	comp=Z,26nm,0.7s Jarrell	38.27 306	eP	P	05 34 41.6 +1.2
L44A	baz=113,SNR=9.8 Lake County Fo	38.31 328	P	P	05 34 21.9 +0.2
M43A	baz=134 Waltham Townsh	38.33 327	P	P	05 34 21.9 0.0
P41A	baz=130,SNR=13 Barry, Barry	38.34 323	P	P	05 34 21.7 -0.3
N42A	baz=132,SNR=11 Yates City	38.51 325	P	P	05 34 23.0 0.0
O41A	baz=131,SNR=7.0 Passleys Farm,	38.52 324	P	P	05 34 22.9 -0.6
WHTX	baz=131,SNR=7.0 Lake Whitney,	38.66 308	eP	P	05 34 24.9 +0.1
WHTX	comp=Z,26nm,0.7s Lake Whitney,	38.66 308	eP	P	05 34 24.3 -0.4
G47A	baz=114 Hillman	38.74 335	P	P	05 34 25.3 +0.1
L43A	baz=144 Garden Prairie	38.74 328	P	P	05 34 25.4 0.0
GLMI	baz=135 Graying	38.78 334	P	P	05 34 26.1 +0.5
M42A	baz=133 Sheffield	38.78 326	P	P	05 34 25.7 0.0
833A	comp=Z,75nm,0.9s Chaparral WMA,	38.88 302	eP	P	05 34 26.6 -0.1
833A	comp=Z,75nm,0.9s Chaparral WMA,	38.88 302	eP	P	05 34 26.6 -0.1
N41A	baz=109,SNR=15 Harden Midland	38.89 324	eP	P	05 34 26.3 -0.4
N41A	comp=Z,131,SNR=11 Harden Midland	38.89 324	eP	P	05 34 45.9 +0.4
K43A	baz=136 Burlington	38.91 329	P	P	05 34 26.7 0.0
L42A	baz=132 Oliver, Polo	39.11 327	eP	P	05 34 28.7 +0.3
L42A	comp=Z,22nm,0.7s Oliver, Polo	39.11 327	eP	P	05 34 28.2 -0.2
M41A	baz=134,SNR=6.2 Milan	39.16 325	P	P	05 34 28.1 -0.7
E48A	baz=132 Lockeyer	39.16 338	P	P	05 34 29.5 +0.7
TUL1	baz=148 Leonard	39.24 315	eP	P	05 34 28.9 -0.6
TUL1	comp=Z,22nm,0.7s Leonard	39.24 315	eP	P	05 34 28.6 -1.0
N40A	baz=121,SNR=9.3 Mertquake, Sal	39.43 324	P	P	05 34 30.6 -0.5
CYA	baz=130,SNR=6.9 Choyo	39.48 185	P	P	05 34 31.6 0.0
K42A	baz=135 Prairie Point,	39.48 328	P	P	05 34 31.0 -0.6
L41A	baz=133 Preston	39.61 326	P	P	05 34 32.3 -0.2
M40A	baz=133 Post Highland	39.73 325	P	P	05 34 32.9 -0.7
LSOQ	baz=131,SNR=9.3 Lebel-sur-Quev	39.82 345	P	P	05 34 35.0 +0.8
K41A	baz=157 Shullsburg	39.87 327	P	P	05 34 34.5 -0.2
E46A	baz=145 Sault Ste Mari	39.90 336	P	P	05 34 35.4 +0.5
JCT	baz=145 Junction City	39.93 305	eP	P	05 34 35.3 -0.2
JCT	comp=Z,34nm,0.8s Junction City	39.93 305	eP	P	05 34 35.3 -0.2
JCT	comp=Z,35nm,0.8s Junction City	39.93 305	P	P	05 34 35.2 -0.4
L40A	baz=111,SNR=15 Anamosa	40.00 326	eP	P	05 34 35.6 -0.2
L40A	comp=Z,36nm,0.9s Anamosa	40.00 326	eP	P	05 34 35.3 -0.5
CHGO	baz=132,SNR=7.8 Chibougamau	40.00 348	P	P	05 34 37.1 +1.4
JFWS	baz=161 Jewell Farm	40.05 327	P	P	05 34 36.0 -0.2
I42A	baz=134 Draeger Farm,	40.06 330	P	P	05 34 36.6 +0.4
M39A	baz=137 Webster	40.15 324	P	P	05 34 36.7 -0.4

MDND	Maddock	48.26 327	P	P	05 35 41.3 -0.5
SMCO	Snowmass	48.64 313	eP	P	05 35 44.7 -0.6
SMCO	Snowmass	48.64 313	eP	pP	05 36 07.0 +2.2
RSSD	Black Hills	48.82 320	P	P	05 35 45.4 -1.0
TRQA	Torquist	48.90 180	eP	P	05 35 47.1 +0.3
TRQA	Torquist	48.90 180	eP	P	05 35 47.1 +0.3
TRQA	Torquist	48.90 180	eP	pmax	05 35 47.1 +0.3
MVCO	Mesa Verde	49.05 310	eP	P	05 35 48.4 +0.1
MVCO	Mesa Verde	49.05 310	P	P	05 35 47.8 -0.5
W18A	Petrified Fore	49.34 307	P	P	05 35 49.9 -0.6
X18A	Snowflake	49.34 306	eP	P	05 35 51.2 +0.7
PV01	Paradox Valley	49.42 311	eP	P	05 35 51.7 +0.6
PV15	Paradox Valley	49.43 311	eP	P	05 35 51.6 +0.4
TUC	Tucson	49.44 303	eP	P	05 35 51.5 +0.4
TUC	Tucson	49.44 303	eP	P	05 35 51.5 +0.4
TUC	Tucson	49.44 303	eP	pmax	05 35 51.5 +0.4
TUC	Tucson	49.44 303	P	P	05 35 50.8 -0.4
PV02	Paradox Valley	49.57 311	eP	P	05 35 52.7 +0.5
PV07	Paradox Valley	49.58 311	eP	P	05 35 52.4 +0.1
PV13	Radium Mtn., P	49.61 311	eP	P	05 35 52.5 0.0
PV12	Saucer Basin	49.65 311	eP	P	05 35 53.2 +0.3
PV03	Paradox Valley	49.67 311	eP	P	05 35 53.1 +0.1
PV11	David Mesa, Pa	49.70 311	eP	P	05 35 53.4 +0.2
PV11	David Mesa, Pa	49.70 311	eP	pP	05 36 15.9 +3.1
PV16	Nyswonger Mesa	49.73 311	eP	P	05 35 53.6 +0.1
K22A	Casper	49.75 317	eP	P	05 35 52.8 -0.6
K22A	Casper	49.75 317	eP	pP	05 36 15.2 +2.1
K22A	Casper	49.75 317	P	P	05 35 52.5 -0.9
PV04	Paradox Valley	49.76 311	eP	P	05 35 58.7 +5.1
PV17	East Wray Mesa	49.76 311	eP	P	05 35 53.7 0.0
PV19	Morning Glory	49.78 311	eP	P	05 35 53.8 0.0
PV14	Lion Creek, Pa	49.84 311	eP	P	05 35 54.3 0.0
PV14	Lion Creek, Pa	49.84 311	eP	pP	05 36 16.8 +2.9
O20A	White River Ci	49.91 314	P	P	05 35 54.4 -0.3
X16A	Lo Mia Camp, P	50.50 306	eP	P	05 36 00.1 +0.8
WUAZ	Wupatki	50.74 307	eP	P	05 36 01.9 +0.9
WUAZ	Wupatki	50.74 307	P	P	05 36 01.4 +0.3
214A	Organ Pipe Nat	51.03 302	P	P	05 36 02.8 -0.3
DGMT	Dagmar	51.15 325	eP	P	05 36 04.0 +0.3
DGMT	Dagmar	51.15 325	P	P	05 36 03.7 0.0
G006	Curarrehue	51.18 189	eP	P	05 36 04.8 +0.7
SRU	San Rafael Swe	51.19 312	eP	P	05 36 04.4 0.0
SRU	San Rafael Swe	51.19 312	eP	P	05 36 04.4 0.0
SRU	San Rafael Swe	51.19 312	eP	pmax	05 36 04.4 0.0
SRU	San Rafael Swe	51.19 312	eP	pmax	05 36 04.4 0.0
LAO	LASA Array	51.42 322	eP	P	05 36 05.4 -0.4
LAO	LASA Array	51.42 322	P	P	05 36 05.4 -0.4
TMUT	Trail Mountain	51.75 312	eP	P	05 36 08.7 0.0
PD31	Pinedale Array	51.83 316	eP	P	05 36 07.3 -1.9
PDAR	Pinedale Array	51.83 316	P	P	05 36 07.8 -1.3
PDAR	Pinedale Array	51.83 316	P	P	05 37 20.2 -1.0
PDAR	Pinedale Array	51.83 316	P	ScP	05 41 06.5 -4.6
PDAR	Pinedale Array	51.83 316	P	LR	05 59 14.6
BW06	Boulder Array	51.83 316	eP	P	05 36 07.9 -1.2
BW06	Boulder Array	51.83 316	P	P	05 36 08.0 -1.2
MTPU	Mount Pierson	52.09 310	eP	P	05 36 11.8 +0.5
PLCA	Paso Flores	52.17 188	eP	P	05 36 12.4 +1.0
PLCA	Paso Flores	52.17 188	eP	P	05 36 12.4 +1.0
PLCA	Paso Flores	52.17 188	eP	pmax	05 36 12.4 +1.0
PLCA	Paso Flores	52.17 188	eP	pmax	05 36 12.4 +1.0
KNB	Kanab	52.28 308	eP	P	05 36 13.1 +0.6
KNB	Kanab	52.28 308	eP	P	05 36 13.1 +0.6
KNB	Kanab	52.28 308	eP	pmax	05 36 13.1 +0.6
JLU	Jordanelle	52.36 313	eP	P	05 36 13.2 0.0
TCUT	Toone Canyon	52.51 314	eP	P	05 36 13.7 -0.6
NLU	North Lily Min	52.60 312	eP	P	05 36 14.8 -0.1
NLU	North Lily Min	52.60 312	eP	pP	05 36 34.0 -0.6
RLMT	Red Lodge	52.60 319	P	P	05 36 14.4 -0.4
RLMT	Red Lodge	52.60 319	P	P	05 36 14.3 -0.6
LCMT	Little Creek Mt	52.60 308	eP	P	05 36 15.6 +0.7
CTU	Camp Tracy	52.61 313	eP	P	05 36 14.6 -0.3
CTU	Camp Tracy	52.61 313	eP	pP	05 36 37.1 +2.5
W13A	Hualapai Mount	52.62 306	eP	P	05 36 15.7 +0.6
PDMCI	Parker Dam,Lak	52.64 305	P	P	05 36 14.7 -0.3
SZCU	Shurtz Canyon	52.64 309	eP	P	05 36 15.3 +0.1
SZCU	Shurtz Canyon	52.64 309	eP	pP	05 36 37.8 +2.8
CCUT	Cedar City	52.84 309	eP	P	05 36 17.0 +0.3
CCUT	Cedar City	52.84 309	eP	P	05 36 35.8 -0.7
LOHW	Long Hollow	52.87 317	eP	P	05 36 16.2 -0.7
AHID	Auburn Hatcher	52.88 316	eP	P	05 36 16.1 -0.9
SNOW	Snow King Moun	52.91 317	eP	P	05 37 24.9 -0.2
SNOW	Snow King Moun	52.91 317	eP	P	05 36 17.6 +0.4
REDW	Red Top Mound	52.94 317	eP	P	05 36 16.7 -0.7
TPAW	Teton Pass	53.05 317	eP	P	05 36 16.7 -1.6
GCMT	Greycliff	53.14 320	eP	P	05 36 18.4 -0.3
GCMT	Greycliff	53.14 320	eP	pP	05 36 38.0 -0.4
FXWY	Fox Creek	53.16 317	eP	P	05 36 18.2 -0.8
IMW	Indian Meadow	53.20 317	eP	P	05 36 20.0 +0.6
DUG	Dugway, Tooele	53.21 312	P	P	05 36 18.8 -0.5
DUG	Dugway, Tooele	53.21 312	P	P	05 36 18.8 -0.5
FCC	Fort Churchill	53.34 340	eP	P	05 36 18.2 -1.4
FCC	Fort Churchill	53.34 340	eP	P	05 36 18.3 -1.4
IRM	Iron Mountain	53.42 304	P	P	05 36 20.9 +0.1
PSUT	Pine Spring	53.49 310	eP	P	05 36 21.9 +0.5
YMR	Madison River	53.52 318	eP	P	05 36 22.4 +0.8
BC3	Big Chuckawall	53.56 304	P	P	05 36 22.1 +0.1
BGU	Big Grassy Mou	53.60 313	eP	P	05 36 21.8 -0.4
FFC	Flin Flon	53.65 332	eP	P	05 36 19.5 -2.6

FFC	Flin Flon	53.65 332	eP	pP	05 36 41.8 0.0
FFC	Flin Flon	53.65 332	iP	P	05 36 22.6 +0.5
HVU	Hansel Valley	53.70 314	eP	P	05 36 22.0 -0.9
HVU	Hansel Valley	53.70 314	eP	P	05 36 22.0 -0.9
HVU	Hansel Valley	53.70 314	eP	pmax	05 36 22.0 -0.9
YHB	Horse Butte	53.70 318	eP	P	05 36 23.4 +0.4
QLMT	Quartz Lake	53.89 318	eP	P	05 36 25.1 +0.8
GMRC	Granite Moun	53.97 305	P	P	05 36 24.3 -0.6
BELC	Belle Mtn. Jos	54.08 304	P	P	05 36 25.1 -0.6
EGMT	Eagleton	54.16 322	eP	P	05 36 25.6 -0.5
EGMT	Eagleton	54.16 322	P	P	05 36 25.5 -0.5
MONPZ	Monument Peak	54.21 303	P	P	05 36 26.7 -0.1
PVFI	Vila Bisbo	54.24 52	eP	P	05 36 32.3 +5.6
BOZ	Bozeman (W)	54.31 319	eP	P	05 36 26.0 -1.3
BOZ	Bozeman (W)	54.31 319	eP	P	05 36 26.0 -1.3
BOZ	Bozeman (W)	54.31 319	eP	pmax	05 36 26.0 -1.3
BOZ	Bozeman (W)	54.31 319	P	P	05 36 26.4 -0.9
TUQ	Turquoise Moun	54.32 306	P	P	05 36 27.5 0.0
MORF	Marlette	54.42 52	eP	P	05 36 30.4 +2.4
HEC	Hector,Ludlow	54.52 305	P	P	05 36 28.7 -0.2
SHOC	Shoshone, Teco	54.70 306	P	P	05 36 30.3 +0.3
PNCL	Nicolet / Gran	54.71 51	eP	P	05 36 32.0 +1.9
R11A	Troy Canyon, C	54.75 309	eP	P	05 36 31.0 +0.4
R11A	Troy Canyon, C	54.75 309	eP	pP	05 36 52.9 +2.4
R11A	Troy Canyon, C	54.75 309	P	P	05 36 31.9 0.0
DLMT	Dillon	54.85 318	eP	P	05 36 31.0 -0.1
DLMT	Dillon	54.85 318	eP	pP	05 36 52.0 +1.0
DLMT	Dillon	54.85 318	eP	pP	05 37 33.4 +0.9
HRY	Holter Researc	54.89 320	eP	P	05 36 31.0 -0.3
TPNV	Topopah Spring	54.91 307	eP	P	05 36 32.6 +0.8
TPNV	Topopah Spring	54.91 307	eP	pP	05 36 55.1 +3.4
TPNV	Topopah Spring	54.91 307	eP	pP	05 36 55.1 +3.4
TPNV	Topopah Spring	54.91 307	eP	pP	05 36 31.9 +0.1
GSC	Goldense, Bar	54.99 305	P	P	05 36 31.9 -0.4
ERK	Edison Barstow	55.06 305	P	P	05 36 31.8 -0.9
ELK	Elko	55.14 312	eP	P	05 36 33.2 -0.3
ELK	Elko	55.14 312	eP	P	05 37 34.7 +0.8
ELK	Elko	55.14 312	eP	P	05 36 33.2 -0.3
ELK	Elko	55.14 312	eP	pmax	05 37 34.7
ELK	Elko	55.14 312	LR	LR	06 01 07.0
ELK	Elko	55.14 312	LR	LR	06 01 07.0
PMTG	Montargil	55.19 50	eP	P	05 36 35.3 +1.8
PTOM	Tom	55.20 49	eP	P	05 36 33.1 -0.5
PCAS	Casmilo, Conde	55.25 49	eP	P	05 36 36.1 +2.1
FURC	Furnace Creek,	55.29 307	P	P	05 36 34.2 0.0
HLID	Hailey	55.43 316	eP	P	05 36 34.9 -0.6
HLID	Hailey	55.43 316	eP	P	05 36 34.9 -0.6
PTO	Porto	55.48 47	eP	P	05 36 37.1 +1.6
PESTR	Estremoz	55.62 50	eP	P	05 36 38.8 +2.2
MPMC	Manual Prospec	55.69 306	P	P	05 36 37.0 -0.4
LRMC	Laurel Mtn Rad	55.73 305	P	P	05 36 37.4 -0.2
DAC	Darwin (Calif)	55.82 306	eP	P	05 36 40.0 +1.7
DAC	Darwin (Calif)	55.82 306	eP	pP	05 37 02.5 -4.6
DAC	Darwin (Calif)	55.82 306	eP	pP	05 37 02.5 -4.6
DAC	Darwin (Calif)	55.82 306	eP	pP	05 37 02.5 -4.6
PVIS	Viseu	55.88 48	eP	P	05 36 42.3 +3.8
PCBR	Castelo Branco	55.95 49	eP	P	05 36 40.9 +2.0
PCBR	Castelo Branco	55.95 49	eP	P	05 36 42.2 +1.8
CWC	Cottonwood Crs	56.24 306	P	P	05 36 41.1 -0.2
MSO	Missoula	56.27 320	P	P	05 36 40.6 -0.6
SFJD	Kangerlussuaq	56.35 5	eP	P	05 36 42.1 +0.8
SFJD	Kangerlussuaq	56.35 5	eP	P	05 36 42.0 +0.7
SFJD	Kangerlussuaq	56.35 5	eP	pmax	05 36 42.1 +0.8
SFJD	Kangerlussuaq	56.35 5	eP	pmax	05 36 42.1 +0.8
SFJD	Kangerlussuaq	56.35 5	P	P	05 36 40.7 -0.6
DBIC	Dimbokro	56.64 89	P	P	05 36 44.5 +0.3
NV11	Mina Array Sit	56.73 309	eP	P	05 36 44.8 0.0
MDT	Middelt	56.79 58	P	P	05 36 45.2 +0.1
NV01	Mina Array Sit	56.84 309	eP	P	05 36 45.1 -0.5
NVAR	Mina Array Bea	56.84 309	P	P	05 36 45.1 -0.5
NVAR	Mina Array Bea	56.84 309	P	LR	06 02 57.7
YES	Vestal, Richtg	56.92 306	P	P	05 36 45.7 -0.2
MLAC	Mammoth, Mammo	57.20 308	P	P	05 36 47.0 -0.3
OMMB	Old Mammoth Mi	57.20 308	eP	P	05 36 48.6 +0.4
MDBP	Devils Postpil	57.27 308	eP	P	05 36 49.6 +0.9
YERR	Yerlington	57.68 309	eP	P	05 36 51.8 +0.4
BMO	Blue Mountains	57.81 316	eP	P	05 36 51.0 -1.2
BMO	Blue Mountains	57.81 316	eP	pP	05 37 11.6 -0.6
BMO	Blue Mountains	57.81 316	eP	pP	05 37 11.6 -0.6
BMO	Blue Mountains	57.81 316	eP	pP	05 37 11.6 -0.6
J08A	Circle Bar Ran	58.19 314	eP	P	05 36 54.1 -0.8
J08A	Circle Bar Ran	58.19 314	eP	pP	05 37 17.5 +2.6
PAB	San Pablo	58.22 50	eP	P	05 36 57.1 +2.0
PAB	San Pablo	58.22 50	eP	pmax	05 36 57.1 +2.0
ILULI	Ilulissat	58.48 5	iP	P	05 36 57.0 +0.8
ILULI	Ilulissat	58.48 5	iP	pP	05 36 57.0 +0.8
ILULI	Ilulissat	58.48 5	iP	pmax	05 36 57.0 +0.8
ESDC	Sonsecqa Array	58.54 50	eP	P	05 36 59.0 +1.7
ESLA	Sonsecqa Array	58.54 50	eP	P	05 36 59.3 +2.0
ES19	SONSECA Array	58.60 50	eP	P	05 36 59.0 +1.3
NEW	Newport	58.79 320	eP	P	05 36 57.5 -1.4
NEW	Newport	58.79 320	eP	pmax	05 36 57.5 -1.4
NEW	Newport	58.79 320	eP	pmax	05 36 57.5 -1.4
NEW	Newport				

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like GEC2, GERES, NORSAR, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BUR04, BURAR, BURAR, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like USRK, USRK, USRK, etc.









Table with columns: JOM, Ohasama, 1.63 259 P, Pb, 06 55 03.3 -0.7, etc.

Table with columns: HNR, 44nm, 0.3s, baz=146, slow=8.4, SNR=4.9, etc.

Table with columns: comp=Z, 2.9nm, 0.9s, baz=229, slow=8.0, SNR=10, etc.

ISCJB 10 06:57:45.5:0.4, 10:80S:0:05:165:77E:0:07, h10km, mb4.2/19, Error ellipse: s-maj=10.0km s-min=7.2km az=1.0

IDC 10 06:57:45.5:0.0, 10:78S:165:83E, h0km, mb4.2/14, mb1 4.5/16, mb1mx4.3/40, mbtmp4.3/16, ML5.0/2, Error ellipse: s-maj=2.9km s-min=1.7km az=120.0

NEIC 10 06:57:47.1:0.3, 10:72S:165:79E, h10km, mb4.3/8, Error ellipse: s-maj=7.0km s-min=5.2km az=99.0

ISC 10 06:57:47.1:0.6, 10:72S:0:08:165:9E:0:1, h10km, n50, c086/53, mb4.3/20, Santa Cruz Islands

Main station list table with columns: Code, Station Name, Az, Phase ID, Time Res, etc.

Main station list table with columns: HNR, WAKE ISLAND HY 29.25, WAKE ISLAND HY 29.25, etc.

Main station list table with columns: comp=Z, 2.9nm, 0.9s, baz=229, slow=8.0, SNR=10, etc.

IDC 10 06:58:52.6:0.5, 10:84S:165:79E, h0km, mb4.5/19, mb1 4.7/21, mb1mx4.5/41, mbtmp4.6/21, ML5.0/2, MS4.3/4, MS1 4.3/4, ms1mx3.9/14, Error ellipse: s-maj=18.5km s-min=14.5km az=104.0

NEIC 10 06:58:54.5:0.2, 10:80S:165:70E, h10km, mb4.8/34, Error ellipse: s-maj=5.4km s-min=4.0km az=105.0

ISCJB 10 06:58:55.9:0.2, 10:91S:0:04:165:66E:0:05, h30km, mb4.7/57, MS4.2/5, Error ellipse: s-maj=6.4km s-min=5.3km az=0.6

GCMT 10 06:58:57.5:0.3, 10:86S:0:01:165:73E:0:03, h19km, 1km, Dur:0.077, Moment Tensor Solution, s33:c42, s77:c106, Duration: 0, Moment Tensor: Scale 1016Nm, M=3.31e+26; Mw4.19; Ms=0.87; Mi=0.30; 26; Mw:0.04; 11; Mw:1.32; 41; Best double couple; M=0.05100e+10; NP1=291.000000; s52.000000; lambda=59.000000; NP2: e68.000000; s47.000000; lambda=123.000000. Principal axes: T 4.2020, Plg2.0000, Azm0.0000; N -0.3020, Plg24.0000, Azm91.0000; P -3.9000, Plg66.0000, Azm265.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 10 06:58:57.3:0.4, 10:93S:0:06:165:72E:0:06, h30km, n100, c1933/96, mb4.7/57, MS4.2/6, 1-C-10, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc.

ISCJB 10 07:06:30.7:0.9, 10:95S:0:1:165:7E:0:1, h10km, mb3.6/5, Error ellipse: s-maj=19.6km s-min=17.4km az=164.1

IDC 10 07:06:30.7:1.3, 10:79S:165:75E, h0km, mb3.7/5, mb1 4.0/7, mb1mx3.7/36, mbtmp3.9/7, ML4.4/2, Error ellipse: s-maj=40.5km s-min=25.3km az=136.0

ISC 10 07:06:32.4:1.1, 10:85S:0:1:165:7E:0:2, h10km, n13, c059/77, mb3.6/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time Res, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like DZM, H1S2, H1S3, etc.

LDG 10 07:07:11.4:0.0,45,569N,3.00E,h2km,Md1.7/2,MH1.4/17, Error ellipse: s-maj=0.8km s-min=0.7km az=66.0,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like BGF, CAF, SMF, etc.

GUC 10 07:08:28.0:0.6,26:97S:70:57W,h78km,11km,ML4.6 SJA 10 07:08:29.8:0.9,27:04S:70:32W,h65km,ML4.3,MW4.5 NEIC 10 07:08:29.9:0.4,27:00S:70:14W,h61km,4km,mb4.5/45, ML4.6(GUC), Error ellipse: s-maj=7.3km s-min=4.0km az=86.0

NEIC Felt (V) at Copiapo and Tierra Amarilla; (I) at Caldera, Chananal, Diego de Almagro and Yallenor. ISCJB 10 07:08:30.1:0.3,26:95S:0:02:70:17W,0.05,h76km,3km, mb4.4/57, Error ellipse: s-maj=7.6km s-min=3.3km az=171.8

IDC 10 07:08:30.6:0.5,26:99S:70:04W,h69km,3km,mb4.0/14, mb1.4/18,mb1mx4.0/33,mb2mp4.3/18,MS2.9, Ms1 2.9,ms1mx2.8/26, Error ellipse: s-maj=16.9km s-min=12.9km az=23.0

ISC 10 07:08:30.4:0.2,26:95S:0:03:70:21W,0.05,h69km,3km, h69km:pp-P,1142,-r165/170,mb4.5/57,2C-3D,Near coast of northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like CRCH, GO02, LCO, etc.

Main table with columns: RTVC, AUSA, HJA, ASAL, PB01, ACAN, ARCO, ROCT, PEIDE, AAGR, YJA, AVIZ, MRA, PB11, MNMO, LPAZ, CPUP, TRQA, PLCA, NNA, SPB, ATAH, BDFB, PTGA, OTAV, CHIC, RUSC, HELC, PTEC, RPN, UREC, SMLC, VNA3, SML2, SNA4, SNA5, SWET, JCT, TX31, TXAR, TXAR, MNTX, MNTX, CCM, 319A, ANMO, DNBC, SYO, SYA3, X16A, MVCO, WM3A, KNB, LCMT, MTRU, MPU, SZCU, CCUT, MSU, PSUT, MPU, JLU, CTU, R11A, DUG, TCUT, PD31, PDAR, SPUT, SHU, AHID, NVAR, ELK, RED, LOHW, KVN, TPWA, MAW, FXWY, IMW, etc.

Table with columns: RLMT, ULM, TOAO, TORO, TORD, YMR, PAHR, HLID, ORVO, JO8A, C09A, YKA, YKA, AKAS, AKAS, ASAR, ASAR, WRA, WRA, AAK, ZALV, ZALV, KSH, KSH, KSH, MKAR, MKAR, MJAR, SONM, SONM, SONM, CMAR, etc.

IDC 10 07:20:03.7:1.6,11:53S:165:10E,h0km,mb3.5/5, mb1.3/8.6,mb1mx3.6/30,mbtmp3.6/6,ML3.4/1,MS3.1/1, Ms1 3.1/1,ms1mx2.7/22, Error ellipse: s-maj=5.0,7km s-min=28.3km az=128.0

ISCJB 10 07:20:07.0:1.2,11:7S:0:1:165:1E:0:2,h34km,mb3.5/4, Error ellipse: s-maj=26.7km s-min=20.5km az=1.9

ISC 10 07:20:08.7:1.3,11:5S:0:2:165:1E:0:2,h34km,n6, r0:50:6,mb3.5/4,Santa Cruz Islands

IDC 10 07:20:46.4:0.9,11:69S:164:98E,h0km,mb4.1/11, mb1.4/3/13,mb1mx4.1/30,mbtmp4.0/13,ML3.9/2,MS3.3/4, Ms1 3.3/4,ms1mx3.0/28, Error ellipse: s-maj=32.1km s-min=19.0km az=129.0

NEIC 10 07:20:47.6:0.4,11:73S:165:03E,h10km,mb4.3/4, Error ellipse: s-maj=12.7km s-min=7.8km az=125.0

ISCJB 10 07:20:49.2:0.5,11:84S:0:08:165:0E:0:10,h33km, mb4.1/14,MS3.3/4, Error ellipse: s-maj=15.4km s-min=9.8km az=34.2

ISC 10 07:20:51.2:0.6,11:8S:0:1:165:1E:0:1,h35km,n35, r150/38,mb4.1/14,MS3.2/4,Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like DZM, CTA, ARMA, STKA, WBE, WR1, WRA, WRA, AS31, AS31, ASAR, ASAR, RAR, FITZ, MJAR, CM31, CMAR, SONA, SONM, ILAR, ILAR, NV01, NV01, MK31, MK32, MKAR, MKAR, etc.





TIGA	baz=125 Tifton	52.44 305 P	P	08 57 04.0 +0.3	Z50A	Ashland	54.85 306 P	P	08 57 22.2 +0.8	KBA	Koelnbreinsper	56.78 37 eP	P	08 57 36.0 +0.9
O55A	Lignonier	52.46 316 P	P	08 57 04.5 +0.7	D53A	Lac Vacive, Po	54.86 325 P	P	08 57 21.8 +0.6	TSUM	Tsumeb	56.86 118 eP	P	08 57 37.2 +1.1
Q55A	Buckhannon	52.47 315 P	P	08 57 04.6 +0.7	DAVA	Danville	54.87 35 eP	P	08 57 22.5 +1.1	TSUM	Tsumeb	56.86 118 P	P	08 57 36.8 +0.7
Y54A	Signal	52.47 308 P	P	08 57 04.5 +0.6	Y50A	Piedmont	54.89 307 P	P	08 57 22.7 +1.0	V47A	Nunnely	56.86 309 P	P	08 57 35.9 +0.2
N55A	Marion Center	52.51 317 P	P	08 57 05.3 +1.2	V50A	Pikeville	54.94 309 P	P	08 57 22.7 +0.7	U47A	Clarksville	56.87 309 P	P	08 57 36.5 +0.8
P55A	Reedsville	52.51 315 P	P	08 57 04.6 +0.4	W50A	Signal Mountai	54.95 308 eP	P	08 57 22.8 +0.8	R47A	Wooly Knot Far	56.88 312 P	P	08 57 36.6 +0.8
M55A	Ridgway	52.68 318 P	P	08 57 06.1 +0.8	W50A	Signal Mountai	54.95 308 P	P	08 57 22.9 +0.8	T47A	Sharon Grove	56.89 310 P	P	08 57 36.7 +0.8
T54A	Tazewell	52.77 312 P	P	08 57 06.9 +0.7	U50A	Jamestown	54.99 310 P	P	08 57 23.1 +0.7	S47A	Hartford	56.91 311 P	P	08 57 36.6 +0.6
R54A	Victor	52.78 313 P	P	08 57 06.9 +0.7	X50B	Fort Payne	54.99 308 P	P	08 57 23.2 +0.8	Q47A	Bedord North L	57.02 312 P	P	08 57 37.7 +1.0
553A	Crawfordville	52.79 303 P	P	08 57 06.9 +0.6	E52A	Mattawa	55.00 323 P	P	08 57 23.3 +0.1	D49A	Ulah Townshi	57.10 323 P	P	08 57 38.0 +0.8
353A	Camilla	52.93 304 P	P	08 57 08.4 +1.1	ACSO	Alum Creek Sta	55.02 315 eP	P	08 57 22.8 +0.3	N47A	Urbana	57.18 315 P	P	08 57 38.5 +0.6
J55A	Hilton	52.94 321 P	P	08 57 08.2 +1.0	ACSO	Alum Creek Sta	55.02 315 P	P	08 57 23.1 +0.6	WVT	Waverly	57.19 309 eP	P	08 57 38.3 +0.3
Z53A	Monticello	52.98 307 P	P	08 57 08.6 +0.9	S50A	Richmond	55.09 312 P	P	08 57 23.9 +0.9	WVT	Waverly	57.19 309 P	P	08 57 37.7 -0.4
153A	Fort Valley	53.00 306 P	P	08 57 08.9 +1.1	F52A	Sundridge	55.15 323 P	P	08 57 23.9 +0.7	L47A	Sherwood	57.25 316 P	P	08 57 38.6 +0.3
Q54A	Coxs Mills	53.00 314 P	P	08 57 09.0 +1.3	ELFO	Elginfield	55.21 319 P	P	08 57 24.8 +1.5	O47A	Sheridan	57.29 314 P	P	08 57 39.3 +0.7
P54A	Burton	53.01 315 P	P	08 57 09.1 +1.3	T50A	Nancy	55.19 311 P	P	08 57 24.9 +1.1	V46A	Holladay	57.32 308 P	P	08 57 39.2 +0.3
BG3	Lake Jocassee	53.04 309 eP	P	08 57 08.2 +0.1	Q50A	Georgetown	55.20 313 P	P	08 57 24.4 +0.6	D48A	Paudash Townsh	57.32 323 P	P	08 57 38.8 0.0
253A	Americus	53.06 305 P	P	08 57 09.1 +0.8	FETA	Feichten	55.21 36 eP	P	08 57 24.5 +0.5	X46A	Booneville	57.34 307 P	P	08 57 38.9 -0.2
X53A	Estanollee	53.16 308 P	P	08 57 10.2 +1.2	D52A	EK Kipawa Sen	55.22 324 P	P	08 57 24.2 +0.5	K47A	Vermontville	57.38 317 P	P	08 57 39.6 +0.3
Y53A	Monroe	53.17 307 P	P	08 57 10.4 +1.3	BRAL	Brewton	55.22 303 P	P	08 57 25.2 +1.2	U46A	Springville	57.52 309 P	P	08 57 40.4 0.0
V53A	Saluda	53.19 310 P	P	08 57 09.7 +0.5	R50A	Paris	55.25 312 P	P	08 57 25.7 +1.5	S46A	Dot Dixon Farm	57.57 311 P	P	08 57 41.4 +0.7
O54A	Avella	53.19 316 P	P	08 57 10.0 +0.9	449A	Pace	55.26 303 P	P	08 57 24.4 +0.1	R46A	Gibson Southern	57.58 311 P	P	08 57 41.0 +0.3
H55A	Tweed	53.21 322 P	P	08 57 09.6 +0.5	Z49A	Columbiana	55.33 306 P	P	08 57 25.6 +0.8	SOKA	Soboth	57.60 38 eP	P	08 57 42.2 +1.4
U53A	Fall Branch	53.26 311 P	P	08 57 10.8 +1.1	N50A	Nevada	55.35 316 P	P	08 57 25.9 +1.0	M0A	Molln	57.70 36 eP	P	08 57 41.4 0.0
N54A	Moraine State	53.27 317 P	P	08 57 11.0 +1.3	P50A	Jamestown	55.36 314 P	P	08 57 25.7 +0.8	P46A	Rosedale	57.82 313 P	P	08 57 43.0 +0.6
W53A	Cullowhee	53.28 309 P	P	08 57 11.1 +1.1	149A	Jones	55.37 305 P	P	08 57 25.4 +0.2	GO06	Curarrehue	57.84 214 eP	P	08 57 43.3 +0.7
M54A	Oil Creek Stat	53.30 318 P	P	08 57 11.1 +1.2	349A	Repton	55.38 303 P	P	08 57 26.2 +1.0	GEA0	GERESS Array S	57.86 35 eP	P	08 57 43.2 +0.5
S53A	Williamson	53.41 312 P	P	08 57 12.1 +1.3	Y49A	Blount Mountai	55.42 307 P	P	08 57 26.2 +0.8	GERE	GERESS Array B	57.87 35 P	P	08 57 42.6 -0.1
T53A	Wise	53.45 311 P	P	08 57 12.3 +1.2	O50A	Cable	55.44 315 P	P	08 57 25.9 +0.4	GERES		LR	LR	09 19 26.6
252A	Lumpkin	53.53 305 P	P	08 57 12.7 +0.9	SWET	Seavate	55.44 308 eP	P	08 57 25.4 -0.2	E47A	Iron Bridge	57.88 322 P	P	08 57 42.8 +0.1
R53A	Hurricane	53.53 313 P	P	08 57 12.7 +1.0	BWLO	Walkerton	55.46 320 P	P	08 57 26.3 +0.7	N46A	Monticello	57.92 314 P	P	08 57 43.8 +0.7
Y52A	Liburn	53.55 307 P	P	08 57 12.4 +0.5	KLBO	Killbear Provi	55.47 322 P	P	08 57 26.2 +0.6	K46A	Dorr	57.92 317 P	P	08 57 43.9 +0.9
P53A	Whipple	53.60 315 eP	P	08 57 11.2 -0.9	RETA	Reutte	55.48 35 eP	P	08 57 26.3 +0.6	145A	Houston Renfro	57.94 304 P	P	08 57 44.1 +0.8
P53A	Whipple	53.60 315 P	P	08 57 13.0 +0.9	249A	Camden	55.48 304 P	P	08 57 26.8 +0.9	KHC	Kasperske Hory	57.94 35 eP	P	08 57 44.1 +0.9
Z52A	Williamson	53.63 306 P	P	08 57 13.4 +0.9	M50A	Fremont	55.54 316 P	P	08 57 27.1 +1.0	V45A	Humboldt	57.96 308 P	P	08 57 42.7 -0.7
WLVO	Wesleyville	53.63 321 P	P	08 57 13.5 +1.2	X49A	Woodville	55.54 307 P	P	08 57 27.0 +0.7	U45A	Rockin P Farm,	57.97 309 P	P	08 57 43.6 +0.1
X52A	Dahlonoga	53.66 308 P	P	08 57 13.9 +1.3	LSQ0	Lebel-sur-Quev	55.55 327 P	P	08 57 27.4 +0.2	W45A	Hickory Valley	57.98 307 P	P	08 57 43.4 -0.2
152A	Waverly Hall	53.72 306 P	P	08 57 14.1 +1.0	V49A	McMinville	55.59 309 P	P	08 57 27.2 +0.5	OXF	Oxford	57.98 307 P	P	08 57 43.1 -0.5
DOU	Dourbes	53.72 30 P	P	08 57 13.8 +1.0	SQTA	Sank Quirin	55.60 36 eP	P	08 57 27.2 +0.6	SFIN	Lafayette	58.00 314 P	P	08 57 44.1 +0.4
N53A	Lisbon	53.78 316 P	P	08 57 14.9 +1.5	MOTA	Moosalm	55.60 36 eP	P	08 57 27.1 +0.4	J46A	Howard City	58.09 317 P	P	08 57 45.0 +0.8
ERPA	Erie	53.79 318 P	P	08 57 14.6 +1.1	E51A	G1948 Merrick	55.62 323 P	P	08 57 27.3 +0.6	ARSA	Arzberg	58.17 37 eP	P	08 57 45.5 +0.8
O53A	New Philadelph	53.80 316 P	P	08 57 14.5 +0.9	L50A	Kingsville	55.64 317 P	P	08 57 27.6 +0.6	P45A	Graceand, Par	58.18 313 eP	P	08 57 45.1 +0.2
DRCO	St. Marys Ceme	53.80 321 P	P	08 57 14.2 +0.7	LRAL	Lakeview Retre	55.66 305 eP	P	08 57 27.4 +0.2	P45A	Graceand, Par	58.18 313 P	P	08 57 45.6 +0.6
DRWO	Darlington Wes	53.82 321 P	P	08 57 14.7 +1.1	LRAL	Lakeview Retre	55.66 305 P	P	08 57 27.5 +0.3	R45A	Skylar, Fairri	58.18 311 P	P	08 57 45.5 +0.5
PEMO	Pembroke	53.84 323 P	P	08 57 14.5 +0.7	W49A	Belvidere	55.67 308 P	P	08 57 28.0 +0.7	OLIL	Olney	58.19 312 eP	P	08 57 44.8 -0.2
U52A	Thorn Hill	53.86 311 P	P	08 57 14.9 +0.8	U49A	Red Boiling Sp	55.73 310 P	P	08 57 28.4 +0.8	S45A	Carrier Mills	58.22 310 P	P	08 57 45.5 +0.2
L53A	Girard	53.90 318 P	P	08 57 14.9 +0.7	T49A	Edmonton	55.74 311 P	P	08 57 28.4 +0.7	Q45A	Warren Harvey,	58.28 312 P	P	08 57 46.3 +0.6
BANO	Sanctroft	53.91 322 P	P	08 57 15.2 +0.9	S49A	Spradfield	55.78 311 P	P	08 57 28.7 +0.7	D46A	Sault St. Mari	58.54 322 P	P	08 57 47.6 +0.3
M53A	WI Miller and	53.94 317 P	P	08 57 15.4 +0.8	D51A	Lot 18 Range I	55.84 324 P	P	08 57 29.0 +0.8	CONA	Contra Observa	58.68 37 eP	P	08 57 49.4 +1.0
Q52A	Bidwell	54.01 314 P	P	08 57 15.8 +0.7	WTTA	Wattenberg	55.87 36 eP	P	08 57 29.4 +0.7	SIUC	Southern Ilin	58.72 310 eP	P	08 57 48.8 +0.1
R52A	Cattlettsburg	54.04 313 P	P	08 57 16.6 +1.2	WATA	Walderalm	55.87 36 eP	P	08 57 29.7 +1.1	S44A	Carbondale	58.74 310 P	P	08 57 48.8 -0.1
351A	Pinckard	54.05 304 P	P	08 57 15.8 +0.3	R49A	Shelbyville	55.87 312 P	P	08 57 29.6 +0.9	R44A	Waltonville	58.77 311 P	P	08 57 49.0 -0.1
S52A	Salyersville	54.11 312 P	P	08 57 17.1 +1.2	Q49A	Aurora	55.92 313 P	P	08 57 29.6 +0.6	P44A	Sand Creek, Wi	58.80 312 P	P	08 57 49.2 -0.1
251A	Midway	54.11 305 P	P	08 57 16.5 +0.6	O49A	Covington	55.96 314 eP	P	08 57 29.8 +0.6	N44A	Piper City	58.88 314 P	P	08 57 50.3 +0.4
151A	Opelika	54.17 305 P	P	08 57 17.3 +0.9	P49A	Miami Univ. Ec	55.99 314 P	P	08 57 29.9 +0.6	O44A	Mansfield	58.91 313 P	P	08 57 49.8 -0.3
O52A	Adamsville	54.17 315 eP	P	08 57 16.7 +0.4	Y48A	Jaspar	56.04 306 P	P	08 57 30.6 +0.7	Q44A	Meyer Farm, Va	58.92 312 eP	P	08 57 50.1 0.0
O52A	Adamsville	54.17 315 P	P	08 57 17.5 +1.1	X48A	Hartselle	56.09 307 P	P	08 57 30.6 +0.4	Q44A	Meyer Farm, Va	58.92 312 P	P	08 57 50.5 +0.4
P52A	Corning	54.18 315 P	P	08 57 17.1 +0.7	ABTA	Abfaltersbach	56.12 37 eP	P	08 57 31.5 +1.1	M44A	Midewin, Midew	59.02 315 P	P	08 57 50.8 0.0
E54A	Lac Daplat, Po	54.21 324 P	P	08 57 17.2 +0.7	N49A	Columbus Grove	56.13 315 P	P	08 57 31.3 +0.8	BRG	Berggiesshubel	59.03 33 eP	P	08 57 50.8 +0.1
U51A	La Follette	54.35 310 P	P	08 57 19.0 +1.3	W48A	Pulaski	56.20 308 P	P	08 57 31.9 +0.8	TREC	Trest	59.11 35 eP	P	08 57 52.8 +1.5
N52A	McGinn's Farm,	54.36 316 P	P	08 57 18.7 +1.0	M49A	Liberty Center	56.21 316 P	P	08 57 31.8 +0.8	X43A	Marvell	59.16 306 eP	P	08 57 52.1 +0.2
G53A	Haliburton	54.38 322 P	P	08 57 18.7 +1.0	V48A	Smith Brothers	56.29 309 eP	P	08 57 32.5 +0.8	L44A	Lake County Fo	59.20 310 P	P	08 57 52.4 +0.4
X51A	Calhoun	54.40 308 P	P	08 57 18.9 +0.8	V48A	Smith Brothers	56.29 309 P	P	08 57 32.1 +0.4	S43A	Fulton Ridge,	59.33 310 P	P	08 57 53.2 +0.2
V51A	Loudon	54.41 309 P	P	08 57 18.4 +0.3	MATO	Matagami	56.30 327 P	P	08 57 31.7 +0.2	T43A	Greenville	59.35 309 P	P	08 57 53.4 +0.2
M52A	Chesterland	54.45 317 P	P	08 57 18.8 +0.5	U48A	Cassie Pea, Po	56.31 310 P	P	08 57 32.7 +0.9	R43A	Red Bud	59.42 311 P	P	08 57 54.0 +0.5
E53A	Dumoine, Ponti	54.46 324 P	P	08 57 19.1 +0.8	S48A	Wiedeman Farm,	56.31 311 P	P	08					

UALR	University of 22nm,1.0s	60.40 306 eP	P	08 58 00.0 -0.3
K42A	Prarie Point	60.40 316 eP	P	08 58 00.6 +0.3
W41B	Gary Mavity, V 40nm,1.9s	60.41 307 eP	P	08 58 00.1 -0.3
W41B	Gary Mavity, V baz=103	60.41 307 P	P	08 58 00.5 0.0
U41A	Viola	60.43 308 P	P	08 57 60.0 -0.7
J42A	Columbus	60.43 316 P	P	08 58 00.6 +0.1
X41A	Kaden, Bauxite baz=103	60.47 306 P	P	08 58 01.0 +0.1
V41A	Mountainview	60.48 307 P	P	08 58 00.1 -0.9
T41A	Mountain View baz=105,SNR=5.0	60.48 309 P	P	08 58 00.3 -0.6
I42A	Dräger Farm, baz=111	60.49 317 P	P	08 58 01.2 +0.4
R41A	Rosebud baz=109	60.52 310 P	P	08 58 00.9 -0.2
MORC	Moravsky Berou	60.52 36 eP	P	08 58 08.5 +7.5
Q41A	Truxton baz=106	60.59 311 P	P	08 58 01.0 -0.6
S41A	Jilco Farms, baz=107	60.61 309 P	P	08 58 01.4 -0.4
O41A	Passelys Farm, baz=107	60.66 312 P	P	08 58 01.3 -0.8
P41A	Barry, Barry baz=107,SNR=5.8	60.66 312 P	P	08 58 01.6 -0.5
X40A	Basin Creek Fa baz=103	60.73 306 P	P	08 58 02.5 -0.1
E42A	Champion baz=113	60.77 320 P	P	08 58 03.1 +0.3
L41A	Preston baz=108	60.98 315 P	P	08 58 04.1 -0.1
K41A	Shullsburg baz=109	61.01 315 P	P	08 58 04.3 -0.1
J41A	Loganville baz=110	61.06 316 P	P	08 58 05.0 +0.2
JFWS	Jewell Farm baz=109	61.07 316 P	P	08 58 04.9 0.0
MdVR	Moldovita	61.09 421 iP	P	08 58 05.9 +0.9
G41A	Antigo baz=111	61.14 318 P	P	08 58 05.3 +0.1
U40A	Yellville baz=104,SNR=7.4	61.16 308 P	P	08 58 05.1 -0.6
I41A	Arkdale baz=110	61.20 317 P	P	08 58 05.6 -0.1
F41A	Three Lakes 19nm,1.0s	61.28 319 eP	P	08 58 05.9 -0.4
F41A	Three Lakes baz=112	61.28 319 P	P	08 58 06.3 +0.1
MIAR	Mount Ida baz=102	61.34 306 P	P	08 58 06.9 +0.1
N40A	Mertquake, Sal baz=107	61.40 313 P	P	08 58 06.3 -0.7
L40A	Anamosa 13nm,0.8s	61.49 314 eP	P	08 58 07.3 -0.4
L40A	Anamosa baz=108	61.49 314 P	P	08 58 07.5 -0.1
M40A	Post Highland baz=107	61.50 314 P	P	08 58 07.4 -0.4
J40A	Soldiers Grove baz=109	61.57 316 P	P	08 58 07.8 -0.5
K40A	Colesburg baz=108	61.62 315 P	P	08 58 08.4 -0.2
W39A	Magazine 13nm,1.1s	61.64 306 eP	P	08 58 08.6 -0.2
W39A	Magazine baz=107,SNR=5.8	61.64 306 P	P	08 58 09.5 +0.7
NATX	Nacogdoches baz=100	61.70 302 P	P	08 58 09.7 +0.4
G40A	Rib Lake baz=110	61.83 318 P	P	08 58 10.1 +0.2
M39A	Webster baz=107	61.99 314 P	P	08 58 10.8 -0.3
F40A	Park Falls baz=111	62.01 319 P	P	08 58 11.0 -0.2
GZR	Gura Zlata baz=109	62.02 421 iP	P	08 58 11.8 +0.5
E40A	Wakefield baz=111	62.05 319 P	P	08 58 11.0 -0.4
L39A	Vinton baz=107	62.06 314 P	P	08 58 12.2 +0.7
K39A	Oelwein baz=108	62.15 315 P	P	08 58 11.8 -0.4
J39A	Decorah baz=108,SNR=6.2	62.22 316 P	P	08 58 12.2 -0.3
I39A	Houston baz=108	62.26 316 P	P	08 58 12.6 -0.2
H39A	Augusta baz=109	62.36 317 P	P	08 58 13.9 +0.4
E39A	Mellen baz=111	62.45 319 P	P	08 58 14.2 +0.1
DRGR	Holcombe baz=110	62.46 401 iP	P	08 58 13.2 -1.0
G39A	Ridgelead baz=109	62.48 318 P	P	08 58 14.2 -0.1
H38A	Maiden Rock baz=108	63.03 317 P	P	08 58 18.2 +0.3
ARR	Arges 17nm,0.9s	63.24 421 iP	P	08 58 19.7 +0.3
TUL1	Leonard baz=101,SNR=5.3	63.39 307 eP	P	08 58 19.6 -0.9
TUL1	Leonard	63.39 307 P	P	08 58 20.2 -0.3
VOIR	Marine on St. 10nm,0.8s	63.54 421 iP	P	08 58 23.2 +1.8
SPMM	Marine on St. baz=108	63.55 317 eP	P	08 58 20.6 -0.9
SPMM	Marine on St. baz=109	63.55 317 P	P	08 58 21.0 -0.4
NB2	NORS R Subarra comp=Z,6.3nm,1.0s,baz=232,slow=6.9	63.58 23 P	P	08 58 21.8 +0.5
NOA	NORSAR Array B comp=Z,2.4nm,0.8s,baz=232,slow=6.7,SNR=7.3	63.58 23 P	P	08 58 21.0 -0.3
NOA	comp=Z,80nm,21.0s,baz=230,slow=32	LR	09 21 57.3	
F37A	Hinrichs Farm, baz=108	63.59 318 P	P	08 58 21.5 -0.2
MLR	Muntele Rosu comp=Z,11nm,1.3s	64.16 42 eP	P	08 58 26.8 +1.2
MLR	Muntele Rosu	64.16 421 iP	P	08 58 26.0 +0.4
BUR0A	Bucovina Ar. S	64.35 40 eP	P	08 58 27.4 +0.6
BURAR	Bucovina Array	64.35 401 iP	P	08 58 28.9 +2.1
KSU1	Kansas State U comp=Z,1.6nm,0.9s	64.68 310 eP	P	08 58 27.2 -1.8
KSU1	Kansas State U baz=102	64.68 310 P	P	08 58 28.1 -0.8
833A	Chaparral WMA, comp=Z,2.1nm,0.9s	65.30 298 eP	P	08 58 32.6 -0.6
833A	Chaparral WMA, baz=96,SNR=5.2	65.30 298 P	P	08 58 33.0 -0.2
SUW	Suwalki comp=Z,39nm,1.1s	65.49 33 eP	P	08 58 34.6 +0.7
WMOK	Wichita Mounta baz=99	65.59 305 P	P	08 58 34.0 -1.0
SUMG	Summit comp=Z,19nm,1.1s	65.73 358 eP	P	08 58 35.8 +0.1
SUMG	Summit comp=Z,2.5nm,1.1s	65.73 358 iP	P	08 58 36.2 +0.6
ECSD	EROS Data Cent comp=Z,5.8nm,0.9s	65.76 315 eP	P	08 58 35.1 -0.8
ECSD	EROS Data Cent baz=104,SNR=5.5	65.76 315 P	P	08 58 35.2 -0.6
JCT	Junction City comp=Z,1.4nm,1.0s	65.88 300 eP	P	08 58 36.1 -0.9
JCT	Junction City baz=98,SNR=5.5	65.88 300 P	P	08 58 36.5 -0.4
ABTX	Abiene, Hawle comp=Z,13nm,1.1s	66.00 303 eP	P	08 58 36.9 -0.8
ABTX	Abiene, Hawle baz=97	66.00 303 P	P	08 58 37.3 -0.4
BGNE	Belgrade baz=102	66.33 312 P	P	08 58 39.6 0.0
BO5A	Boshof comp=Z,6.0nm,0.9s,baz=311,slow=4.0,SNR=7.0	66.90 125 P	P	08 58 43.5 -0.1
CBKS	Cedar Bluff baz=100	67.02 309 P	P	08 58 43.6 -0.5
ULM	Lac du Bonnet comp=Z,4.7nm,1.0s,baz=124,slow=5.1,SNR=5.7	67.08 322 P	P	08 58 42.4 -1.7
SUSD	Miller baz=103	67.56 315 P	P	08 58 47.0 -0.4
ZAIG	Zacatecas	67.81 292 eP	P	08 58 48.7 -1.0
AKASG	Malin Array Be comp=Z,2.2nm,0.8s,baz=255,slow=5.8,SNR=12	67.81 38 P	P	08 58 47.8 -1.0
AKASG		LR	09 29 07.8	

BR131	Keekin Array S 68.35 50 eP	P	08 58 53.1 +0.5	
BRTR	Keekin Array B 68.35 50 P	P	08 58 53.2 +0.7	
BRTR	comp=Z,2.6nm,0.8s,baz=239,slow=5.6,SNR=16	LR	09 28 45.9	
MSTX	Muleshoe comp=Z,7.4nm,21.9s,baz=263,slow=36	LR	08 58 55.4 +0.1	
MSTX	Muleshoe comp=Z,1.4nm,1.1s	P	08 58 55.6 +0.3	
MDND	Maddock comp=Z,2.5nm,0.9s	P	08 58 54.5 -0.5	
MDND	Maddock baz=99	68.79 319 P	P	08 58 55.1 +0.1
MMAI	Mount Meron Ar comp=Z,0.4nm,0.3s,baz=270,slow=10,SNR=2.3	P	08 58 56.8 +0.8	
FCC	Fort Churchill comp=Z,1.0nm,0.8s	69.04 331 eP	P	08 58 55.3 -1.0
TXAR	Lajitas Array comp=Z,1.8nm,0.6s,baz=106,slow=5.4,SNR=32	69.12 299 P	P	08 58 57.2 -0.4
TX31	Lajitas Ar. Si 69.12 299 eP	P	08 58 57.8 +0.2	
KSCO	Kaye Sheddok baz=99	69.28 309 P	P	08 58 58.9 +0.5
FINES	FINESS Array B comp=Z,3.9nm,0.9s,baz=215,slow=4.6,SNR=9.3	69.93 26 P	P	08 59 01.7 0.0
FINES	LR	09 26 05.0		
FIAT	FIBAL Array S comp=Z,63nm,21.5s,baz=207,slow=33	69.93 26 eP	P	08 59 02.4 +0.6
ASF	Finest At Asfar 70.07 58 P	P	08 59 03.1 -0.2	
T25A	Trinidad comp=Z,1.1nm,0.5s,baz=744,slow=6.8,SNR=2.6	70.44 307 P	P	08 59 06.4 +0.7
MNTX	Cornudas Mount comp=Z,6.0nm,1.1s	70.76 301 eP	P	08 59 07.5 0.0
MNTX	Cornudas Mount baz=94	70.76 301 P	P	08 59 07.2 -0.3
RSSD	Black Hills baz=99	71.08 314 P	P	08 59 09.7 +0.2
Q24A	Divide baz=99	71.22 309 P	P	08 59 11.2 +0.6
SDCO	Great Sand Dun comp=Z,1.1nm,0.8s	71.36 307 eP	P	08 59 12.2 +0.8
SDCO	Great Sand Dun baz=96,SNR=9.3	71.36 307 P	P	08 59 12.0 +0.6
ISCO	Idaho Springs comp=Z,2.2nm,1.0s	71.67 310 eP	P	08 59 14.6 +1.4
ISCO	Idaho Springs baz=96,SNR=5.6	71.67 310 P	P	08 59 13.8 +0.5
ANMO	Albuquerque comp=Z,3.9nm,1.3s	71.89 304 eP	P	08 59 15.2 +0.7
ANMO	Albuquerque baz=94	71.89 304 P	P	08 59 14.8 +0.3
FFC	Flin Flon comp=Z,23nm,1.9s	71.90 325 eP	P	08 59 13.9 0.0
DGMT	Dagmar comp=Z,2.7nm,1.1s	71.92 319 P	P	08 59 15.3 +1.1
DGMT	Dagmar baz=100,SNR=5.5	71.92 319 P	P	08 59 14.9 +0.6
N23A	Red Feather La comp=Z,1.8nm,1.2s	72.05 311 eP	P	08 59 17.1 +1.6
N23A	Red Feather La baz=97,SNR=7.5	72.05 311 P	P	08 59 15.9 +0.5
TULEE	Thule comp=Z,1.4nm,1.1s	72.20 352 eP	P	08 59 15.5 +0.2
LAZ	Ladron 72.41 304 eP	P	08 59 19.1 +1.4	
LAZ	Ladron 72.41 304 eS	P	08 59 19.1 +1.4	
S22A	4UR Ranch, Cre comp=Z,6.1nm,1.1s	72.41 307 P	P	08 59 18.0 +1.3
S22A	4UR Ranch, Cre baz=95,SNR=5.8	72.41 307 P	P	08 59 18.5 +0.8
SMCO	Snowmass comp=Z,1.6nm,1.3s	72.65 309 eP	P	08 59 20.5 +1.2
121A	Cookes Peak baz=93,SNR=5.1	72.84 302 P	P	08 59 21.4 +1.2
LAO	LASA Array comp=Z,2.1nm,1.0s	72.99 317 eP	P	08 59 22.3 +1.6
LAO	LASA Array	72.99 317 P	P	08 59 21.8 +1.1
ARCES	ARCESS Array B comp=Z,6.9nm,1.0s,baz=240,slow=5.0,SNR=4.8	73.20 18 P	P	08 59 20.0 -1.3
MVCO	Mesa Verde comp=Z,1.1nm,0.9s	73.69 307 eP	P	08 59 26.3 +1.1
MVCO	Mesa Verde baz=94	73.69 307 P	P	08 59 25.9 +0.7
O20A	White River Ci comp=Z,2.2nm,0.9s	73.71 310 eP	P	08 59 26.5 +1.2
O20A	White River Ci baz=95,SNR=13	73.71 310 P	P	08 59 26.0 +0.8
PV15	Paradox Valley comp=Z,7.3nm,0.8s	73.76 308 eP	P	08 59 27.3 +1.7
PV01	Paradox Valley comp=Z,6.6nm,0.9s	73.81 308 eP	P	08 59 27.5 +1.6
PV02	Paradox Valley comp=Z,1.2nm,0.8s	73.95 308 eP	P	08 59 28.2 +1.5
PV12	Saucer Basin comp=Z,6.7nm,1.0s	74.01 308 eP	P	08 59 28.8 +1.7
PV13	Radium Mtn., P comp=Z,1.5nm,1.0s	74.01 308 eP	P	08 59 28.6 +1.5
PV03	Paradox Valley comp=Z,4.4nm,0.9s	74.04 308 eP	P	08 59 28.8 +1.3
PV11	David Mesa, Pa comp=Z,3.2nm,1.8s	74.06 308 eP	P	08 59 28.6 +1.4
319A	Douglas comp=Z,1.0nm,1.0s	74.07 301 eP	P	08 59 28.6 +1.2
PV04	Paradox Valley comp=Z,1.5nm,1.5s	74.10 308 eP	P	08 59 29.3 +1.8
PV16	Nyswonger Mesa comp=Z,9.1nm,1.0s	74.10 308 eP	P	08 59 28.9 +1.3
PV17	East Wray Mesa comp=Z,1.1nm,1.0s	74.13 308 eP	P	08 59 29.1 +1.4
PV20	West Nyswonger comp=Z,1.0nm,0.9s	74.14 308 eP	P	08 59 29.4 +1.6
PV19	Morning Glor comp=Z,7.9nm,0.9s	74.15 308 eP	P	08 59 29.3 +1.4
PV21	Cone Mtn., Par comp=Z,9.6nm,0.9s	74.16 308 eP	P	08 59 29.4 +1.4
PV23	Carpenter Ridge comp=Z,1.1nm,0.8s	74.18 308 eP	P	08 59 29.4 +1.3
PV14	Lion Creek, Pa comp=Z,9.4nm,0.9s	74.19 308 eP	P	08 59 29.5 +1.4
PV05	Paradox Valley comp=Z,6.9nm,0.8s	74.23 308 eP	P	08 59 29.2 +0.8
PV09	Paradox Valley 74.28 308 eP	P	08 59 30.2 +1.5	
X18A	Snowflake 74.73 304 eP	P	08 59 32.4 +1.1	
RLMT	Red Lodge comp=Z,39nm,2.0s	74.92 315 eP	P	08 59 33.0 +0.8
RLMT	Red Lodge baz=96,SNR=7.9	74.92 315 P	P	08 59 32.9 +0.8
BW06	Boulder Array comp=Z,7.7nm,1.1s	74.92 312 eP	P	08 59 32.0 -0.2
BW06	Boulder Array baz=95,SNR=10.5	74.92 312 P	P	08 59 32.4 +0.2
PD31	Pinedale Array 74.92 312 eP	P	08 59 32.0 -0.3	
PDAR	Pinedale Array 74.92 312 P	P	08 59 31.4 +0.8	
TUC	Tucson comp=Z,2.3nm,0.9s,baz=101,slow=6.3,SNR=15	75.37 302 eP	P	08 59 35.8 +0.9
TUC	Tucson baz=91	75.37 302 P	P	08 59 35.4 +0.5
SRU	San Rafael Swe comp=Z,2.5nm,1.8s	75.40 309 eP	P	08 59 36.1 +1.0
EMGT	Eagleton baz=96	75.40 318 P	P	08 59 35.0 -0.5
KBZ	Khabaz comp=Z,1.9nm,0.9s,baz=264,slow=7.5,SNR=5.1	75.70 47 P	P	08 59 37.4 +1.0
LOHW	Lot Hollow comp=Z,6.7nm,1.0s	75.74 313 eP	P	08 59 37.6 +0.6
SNOW	Snow King Mount comp=Z,8.8nm,1.2s	75.84 313 eP	P	08 59 38.5 +1.0
FLWY	Flag Ranch comp=Z,1.1nm,0.9s	75.85 314 eP	P	08 59 38.6 +1.1
MOOW	Moose Ponds comp=Z,3.4nm,0.9s	75.86 313 eP	P	08 59 38.1 +0.5
REDW	Red Top Meadows comp=Z,3.0nm,1.8s	75.91 313 eP	P	08 59 38.6 +0.7
WUAZ	Wupatki comp=Z,1.6nm,0.9s	75.93 305 eP	P	08 59 40.0 +1.8
WUAZ	Wupatki baz=99,SNR=9.7	75.93 305 P	P	08 59 39.2 +1.0
TMUT	Trail Mountain comp=Z,4.1nm,0.8s	75.94 309 eP	P	08 59 39.3 +1.0
KLMR	Klimovskoe 75.96 29 eP	AMP	08 59 37.4 -0.1	
KLMR		AMP	08 59 39.7	
TPAW	Teton Pass comp=Z,1			





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Chengdu, Lanzhou, South Pole Qui, Gaotai, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like VANB Van, ERICIS-VAN Gevas, BITLIS Adilcev, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like GAMB Gambell, SONAO Songino Array, BILLI Bliling, etc.

IDC 10 09:14:47.0.1.0, 11:30S:165:32E, h0km, mb4.0/10, mb1.4/2.12, mb1mx4.0/34, mbtmp4.1/12, ML4/2, Error ellipse: s-maj=28.6km s-min=19.6km az=141.0, NEIC 10 09:14:48.6.0.6, 11:87S:165:33E, h10km, mb4.1/9, Error ellipse: s-maj=12.2km s-min=10.7km az=115.0, ISCJB 10 09:14:50.6.0.6, 11:95S:0:08:165:23E:0:07, h33km, mb4.0/16, Error ellipse: s-maj=12.1km s-min=9.4km az=35.5

ISC 10 09:14:52.0.17, 11:88S:0:09:165:33E:0:09, h35km, n27, e:1514/29, mb4.0/16, Santa Cruz Islands

IDC 10 09:28:58.1+0.8, 11:59S:165:25E, h0km, mb4.1/15, mb1.4/3.16, mb1mx4.1/46, mbtmp4.1/16, ML3.6/1, Error ellipse: s-maj=28.5km s-min=17.6km az=128.0, NEIC 10 09:29:00.3+0.3, 11:51S:165:12E, h10km, mb4.4/12, Error ellipse: s-maj=8.6km s-min=7.8km az=122.0, ISCJB 10 09:29:02.3+0.3, 11:58S:0:07:165:03E:0:07, h34km, mb4.2/27, Error ellipse: s-maj=10.8km s-min=8.9km az=35.5, ISC 10 09:29:03.7+0.5, 11:54S:0:08:165:1E:0:11, h34km, n44, e:1527/39, mb4.2/27, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, CTAK Charters Tower, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, CTAK Charters Tower, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, CTAK Charters Tower, LHI Lord Howe Island, etc.

IDC 10 09:15:46.4.62.0, 14:95S:172:00W, h0km, mb3.9/3, mb1.4/1.3, mb1mx3.6/32, mbtmp3.9/3, Error ellipse: s-maj=1204.0km s-min=209.3km az=79.0, Samoa Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like USRX Ussuriysk Arr, XIAN Xian, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like USRX Ussuriysk Arr, XIAN Xian, etc.













Table with columns: Code, Station Name, Az, El, Op, Pn, ISC, h, m, s, Res, ISC. Includes stations like Honiara, Mare, Loyalty, DZM, etc.

ISCJB 10:35:45.8-0.0, 10:82S:0:06:166:7E:0:1, h10km, mb4.4/24, Error ellipse: s-maj=16.4km s-min=8.5km az=5.4

IDC 10:35:45.6-1.6, 10:85S:166:69E, h0km, mb4.2/11, mb1 4.3/12, mb1mx4.0/4.1, mb1mp4.2/12, Error ellipse: s-maj=48.1km s-min=20.3km az=117.0

NEIC 10:35:47.5-0.5, 10:76S:166:66E, h10km, mb4.5/15, Error ellipse: s-maj=12.1km s-min=6.6km az=97.0

ISC 10:35:47.4-0.9, 10:78S:0:09:166:7E:0:2, h10km, n36, #080/35, mb4.4/24, 1C, Santa Cruz Islands

Table with columns: Code, Station Name, Az, El, Op, Pn, ISC, h, m, s, Res, ISC. Includes stations like DZM, PINNC, EIDS, CTA, etc.

ISCJB 10:36:38.0-0.2, 10:81S:0:03:166:60E:0:03, h10km, mb4.8/132, MS4.0/2, Error ellipse: s-maj=5.5km s-min=4.2km az=140.9

NEIC 10:36:39.4-0.1, 10:78S:166:64E, h10km, mb4.9/107, Error ellipse: s-maj=4.2km s-min=3.3km az=136.0

GCMT 10:36:40.4-0.2, 10:91S:0:02:166:91E:0:02, h12km, MV5:0.776, Moment Tensor Solution. s37,c44; s76,c106; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=4.09E-11; Mw=0.36E-12; M0=3.73E-11; Mw=0.75E-39; Mw=1.25E-10; Mw=1.99E-38; Best double couple: M0=4.62700E+10; NP1=358.00000; NP2=358.00000; NP3=73.00000; Principal axes: P=147.00000; S=836.00000; N=116.00000; P=4.7770, P1g11.0000, Azm75.0000; P=4.7770, P1g11.0000, Azm168.0000; P=4.7770, P1g11.0000, Azm309.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 10:36:44.4-3.4, 10:95S:166:74E, h53km, 29km, mb4.3/23, mb1 4.4/25, mb1mx4.3/43, mb1mp4.6/25, ML4.2/2, MS4.2/2, Ms1 4.2/2, ms1mx3.6/14 Error ellipse: s-maj=20.9km s-min=15.1km az=102.0

ISC 10:36:39.3-0.3, 10:78S:0:06:166:79E:0:05, h10km, n212, #080/35, mb4.9/133, 2C-1D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, El, Op, Pn, ISC, h, m, s, Res, ISC. Includes stations like HNR, DZM, DZM, etc.

Table with columns: Code, Station Name, Az, El, Op, Pn, ISC, h, m, s, Res, ISC. Includes stations like MAJO, MAJO, MAT, MJB9, etc.

10d 11h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HDA, MDM, ILAR, etc.

2013 FEB

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BUR04, VYHS, GERES, etc.

GUC 10 10:40:26.1-0.5, 19:37S-69:75W, h81km, 2km, ML3.6, 4C-4D, Northern Chile

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MMMC, PB11, PSCG, etc.

SJA 10 10:53:18.1±0.5, 26:95S:72:17W, h11km, 28km, ML3.6, MW3.6

GUC 10 10:53:33.0±0.5, 27:85S:71:46W, h60km, 18km, ML3.3

ISC 10 10:53:29.6±2.2, 27:89S±0.06:71.6W±0.1, h18km, n11, ±1989/11, 1C, Near coast of northern Chile

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like VACH, LCO, GO04, etc.

NEIC 10 10:57:58.7±0.0, 15:74N:96:53W, h16km, MD4.0 (MEX), After MEX.

MEX 10 10:57:58.4±0.8, 15:71N:96:54W, h20km, 14km, MD4.0, Near coast of Oaxaca

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HUIG, VHO, PNIG, etc.

NNC 10 11:05:48.5±3.3, 37:01N:70:95E, h211km±55km, mb2.4, mpv3.5, Error ellipse: s-maj=47.7km s-min=27.6km az=68.0

ISC 10 11:05:45.4±3.0, 36:38N:02:70.9E±0.1, h200km, n11, ±141/15, 5C-5D, Hindu Kush region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SFK, AML, MNAS, etc.

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Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like TKM2, AB31, AKTO.

ISC 10 11:06:05.7±1.7, 10:77S:166:62E, h0km, mb3.8/7, mb1 4/1.8, mb1mx3.8/34, mbtmp3.9/8, ML4.8/1, MS3.6/3, Ms1 3.6/3, ms1mx3.1/30, Error ellipse: s-maj=60.9km s-min=24.7km az=147.0

NEIC 10 11:06:08.3±0.5, 10:48S:166:49E, h10km, mb4.4/9, Error ellipse: s-maj=11.0km s-min=3.0km az=98.0

ISCJB 10 11:06:10.6±0.6, 10:59S:0:08E, h141E±0.1, h36km, mb4.1/1.5, MS3.5/2, Error ellipse: s-maj=13.9km s-min=11.1km az=176.7

ISC 10 11:06:12.1±0.7, 10:50S:0:09E:166:5E±0.1, h36km, n31, ±0592/24, mb4.2/1.5, Santa Cruz Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HNR, PINNC, KWAJ, etc.

ISCJB 10 11:09:04.0±0.2, 18:18N:0:02:78E:01W:0:02, h23km, mb3.7/9, Error ellipse: s-maj=3.7km s-min=2.4km az=36.3

ISC 10 11:10:10.7±0.9, 18:19N:77:87W, h0km, mb3.7/7, mb1 4.0/1.1, ms1mx3.8/36, mbtmp3.9/11, ML3.2/4, MS3.1/4, Ms1 3.1/4, ms1mx2.8/38, Error ellipse: s-maj=29.2km s-min=20.8km az=50.0

NEIC 10 11:10:10.1±1.6, 18:23N:78:01W, h7km±13km, mb3.9/14, Error ellipse: s-maj=5.7km s-min=4.6km az=207.0

NEIC Felt [v] at Savanna-la-Mar and [V] at Montego Bay. Also felt at Black River, Culloden, Fullerswood, Mackfield and 3 Wakefield

ISC 10 11:10:11.0±1.0, 18:13N:77:96W, h2km±9km, MD4.2

ISC 10 11:10:12.1±0.5, 18:19N:0:04:7795W:0.03, h23km, n93, ±155/100, mb3.8/9, 3C-5D, Jamaica region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MBJ, MEJ, NEJ, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PTBC, HELC, APG, BARC, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MBJ, MGJ, CVJ, etc.

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like WRA, ASAR, MKAR, etc.

IDC 10 11:19:10.3z.2.1,628S:129:34E,h0km,mb4.1/1, mb1 4.0/3,mb1mx3.6/28,mbtmp3.9/3,ML3.9/2,Error ellipse: s-maj=147.3km s-min=29.8km az=68.0, Band Sea

IDC 10 11:26:27.0z.0.7,0.91S:166:11E,h0km,mb4.5/20, mb1 4.6/21,mb1mx4.5/33,mbtmp4.5/21,ML5.2/1,MS3.9/16, Ms1 3.9/16,ms1mx3.7/38,Error ellipse: s-maj=18.0km s-min=14.4km az=109.0

ISCJB 10 11:26:28.0z.0.2,10.97S:0'03:165:94E:0'04,h10km, mb4.8/74,MS4.4/20,Error ellipse: s-maj=5.6km s-min=4.1km az=173.3

NEIC 10 11:26:30.0z.0.4,10.81S:165:94E,h14km,mb5.0/56, Error ellipse: s-maj=4.8km s-min=3.6km az=96.0

GCMT 10 11:26:32.0z.0.2,10.82S:0'01:165:80E:0'10,h22km,1km, MW5.0/93,Moment Tensor Solution. s29,c35; s93,c134; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=0.19; 19r; Mw3.22z.14; Mw3-0.03z.14; Mw1.23z.26; Mw2-2.13z.12; Mw-0.06z.24; Best double couple: M3.95800x10^16 NP1.9z.01.00000; s83.00000; l165.00000; NP2: az=153.00000; s75.00000; l17.00000; Principal axes: T 4.2010,Plg15.00000; Azm17.00000; N-0.4860; Plg74.00000; Azm217.00000; P -3.7160,Plg5.00000; Azm108.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 10 11:26:30.1z.0.3,10.83S:0'05:165:97E:0'05,h10km,n153, az=159/151,mb4.9/74,MS3.0/20,Santa Cruz Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like HNR, MARC, DZM, etc.

Main table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MSVF, TARA, EIDS, MANU, CTA, etc.

Main table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like XAN, XAN, XAN, etc.





Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DOL Dolgo Island, DRWA Deer Island, SPUR Spurr West, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like M1 3.0/1, ms1mx2.6/29, Error ellipse: s-maj=47.7km, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like XAN XAN, XAN X'ian, XAN X'ian, etc.

IDC 10:12:05:19.21.1.1, 11.58S:165.80E, h0km, mb3.7/6, mb1 3.9/2, mb1mx3.7/29, mbtm3.9/7, ML4.2/1, MS3.0/1,

NEIC 10:12:21:01.1.0.4.34.19N:140.10E, h87km, 3km, mb4.4/41, Error ellipse: s-maj=4.2km s-min=3.8km az=80.0

ZAAO Zalesovo Array 43.18 315 eP P 12 29 32.0 +0.1



Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like KLU Klutina, SCRK Sand Creek, KK31 Karatay Arry, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like WRB Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, H1S2 WAKE ISLAND Hy 29.12, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MKAR Makanchi Arry, HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like PCIG Nakatase, THIG Comitan, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res. Includes stations like Zalesovo Array, Makanchi, Yellowknife Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res. Includes stations like Ioumenitsa, Janina, Sarande, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res. Includes stations like Valsamata, Santa Cesarea, Ano Chora, etc.

ISC 10 13:25:13.72.4, 36.90N; 140.76E, h0km, mb3.4/2, mb1 3.5/3, mb1mx3.2/4.1, mbtmp3.2/3, ML2.2/1, Error ellipse: s-maj=42.0km s-min=28.4km az=54.0

ISC 10 13:56:08.6.0.7, 39.75N; 20.51E, h22km, 1km, ML3.2/19, Error ellipse: s-maj=1.1km s-min=0.7km az=275.0

ISC 10 13:56:08.6.0.7, 39.74N; 0.02.20.47E, h20km, 2km, n22.0183/296, mb3.6/6, 8C-7D, Greece-Albania border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res. Includes stations like Fukushimafurud, Iwakimizuishi, Kawauchi, Hitachi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res. Includes stations like Sarande, Kerkira, Kerkira, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res. Includes stations like Ano Chora, Agios Georgios, Agios Georgios, etc.

ISC 10 13:40:27.8.3.2, 5.92S; 127.99E, h390km, 33km, mb2.5/1, mb1 3.1/5, mb1mx2.8/4.4, mbtmp3.0/5, Error ellipse: s-maj=47.3km s-min=16.3km az=67.0, Banda Sea

ISC 10 13:46:04.0.3.1, 11.08S; 165.72E, h49km, 29km, mb3.3/5, mb1 3.7/7, mb1mx3.4/3.7, mbtmp3.8/7, ML4.3/2, MS3.4/1, Ms1 3.4/1, ms1mx2.8/1.7, Error ellipse: s-maj=29.9km s-min=20.3km az=51.0

ISC 10 13:46:37.0.9.11, 11S; 0.33.165.7E, 0.13h0km, n13, n1520/S, mb3.5/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res. Includes stations like Baumata, Fitzroy Crossi, Warramunga Arr, Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res. Includes stations like Pentalofo, Kipourio, Nestorio, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res. Includes stations like KALE, KALE, KALE, etc.

ISC 10 13:52:56.0.3.6, 19.87S; 169.48E, h249km, 44km, mb3.2/4, mb1 3.3/5, mb1mx3.1/2.4, mbtmp3.7/5, Error ellipse: s-maj=153.7km s-min=37.3km az=150.0, Vanuatu Islands

ISC 10 13:56:05.0.1.3, 39.78N; 20.42E, h0km, mb3.6/7, mb1 3.6/9, mb1mx3.4/3.7, mbtmp3.5/9, ML3.3/2, Error

ISC 10 13:56:05.0.1.3, 39.78N; 20.42E, h0km, mb3.6/7, mb1 3.6/9, mb1mx3.4/3.7, mbtmp3.5/9, ML3.3/2, Error

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res. Includes stations like Mont Dzumac, Warramunga Arr, Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res. Includes stations like Evrytania, Ohridia, Paravola, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res. Includes stations like PIPA, PIPA, PIPA, etc.





Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like TORO, TIC, PBKT, CHAI, CM01, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like CTAO, KBZ, AML, KIV, KVV, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details. Includes stations like XAN, DRGR, BURAR, etc.

LCO	comp=Z,9.1nm,1.0s	Las Campanas	96.11 227	eP	P	15 02 07.8	-0.8
LOCO	comp=Z,9.0nm,1.0s		96.59 33	P	Pmax	15 02 10.2	+0.2
SOMM	comp=Z,0.4nm,0.8s,baz=201,slo=5.1,SNR=4.2	Songbird Array	125.97 34	ePKIKP	P	15 06 06.6	+1.7
SONM	comp=Z,0.8nm,1.1s,baz=207,slo=6.3,SNR=3.9		97.39 346	eP	PP	15 02 13.2	+0.1
SONM	comp=Z,1.01nm,20.9s,baz=202,slo=93		97.39 346	eP	PP	15 02 13.2	+0.1
VSU	comp=Z,2.7nm,0.8s	Vasula	98.21 356	eP	Pmax	15 02 16.2	-0.5
PRGR	comp=Z,9.0nm,1.1s	Pergomere	120.08 21	ePKIKP	P	15 07 29.0	-0.9
PRGR	comp=Z,9.0nm,1.1s	Papeete2	121.83 154	eLR	P	15 07 29.0	-0.9
TIXI	comp=Z,2.6nm,23.0s	Tiksi	124.44 38	ePKIKP	PKIKP	15 07 39.1	+0.2
PP2	comp=Z,2.6nm,23.0s	Papeete2	125.97 34	ePKIKP	PKIKP	15 07 42.3	+0.4
MA2	comp=Z,2.6nm,23.0s	Magadan	132.03 28	ePKIKP	PKIKP	15 07 53.0	+0.1
SEY	comp=Z,2.6nm,23.0s	Seymchan	132.03 28	ePKIKP	PKIKP	15 07 53.0	+0.1
BILL	comp=Z,1.1nm,2.1s	Bilbino	132.75 344	ePKP	PKP	15 07 54.1	+0.1
TULEG	comp=Z,7.5nm,23.3s	Thule	132.94 162	eLR	PKR	15 50 21.0	
TAOE	comp=Z,7.5nm,23.3s	Nuku Hiva Isla	137.45 280	P	PKPbc	15 08 11.6	+0.5
X56A	comp=Z,7.5nm,23.3s	White Oak	143.18 298	P	PKPbc	15 08 11.8	+0.7
G53A	comp=Z,7.5nm,23.3s	Haliburton	143.31 285	P	PKPbc	15 08 11.6	-0.2
BLA	comp=Z,7.5nm,23.3s	Blacksburg	143.34 289	P	PKPbc	15 08 12.3	+0.6
P55A	comp=Z,7.5nm,23.3s	Reedsburg	143.43 288	P	PKPbc	15 08 12.7	+0.7
Q55A	comp=Z,7.5nm,23.3s	Buckhannon	143.49 281	ePKPpre	P	15 08 11.8	-0.5
KMSC	comp=Z,7.5nm,23.3s	Kings Mountain	143.49 281	ePKPpre	P	15 08 12.8	+0.5
KMSC	comp=Z,7.5nm,23.3s	Kings Mountain	143.49 281	ePKPpre	P	15 08 12.8	+0.5
S55A	comp=Z,7.5nm,23.3s	Lewisburg	143.50 286	P	PKPbc	15 08 12.9	+0.7
355A	comp=Z,7.5nm,23.3s	Pearson	143.51 275	P	PKPbc	15 08 12.8	+0.4
X55A	comp=Z,7.5nm,23.3s	Gracelyn & Ava	143.54 280	P	PKPbc	15 08 12.4	0.0
M54A	comp=Z,7.5nm,23.3s	Oil Creek Stat	143.55 292	ePKP	PKPbc	15 08 13.6	+1.3
M54A	comp=Z,7.5nm,23.3s	Oil Creek Stat	143.55 292	ePKP	PKPbc	15 08 12.7	+0.4
155A	comp=Z,7.5nm,23.3s	Kite	143.63 277	P	PKPbc	15 08 12.7	0.0
F51A	comp=Z,7.5nm,23.3s	Sundridge	143.71 300	P	PKPbc	15 08 12.7	+0.2
D51A	comp=Z,7.5nm,23.3s	Lot 18 Range I	143.78 302	P	PKPbc	15 08 12.7	0.0
P54A	comp=Z,7.5nm,23.3s	Burton	143.85 289	P	PKPbc	15 08 13.4	+0.2
E51A	comp=Z,7.5nm,23.3s	G1948 Merrick	143.85 301	P	PKPbc	15 08 13.0	0.0
ERPA	comp=Z,7.5nm,23.3s	Erie	143.87 293	P	PKPbc	15 08 13.5	+0.3
O54A	comp=Z,7.5nm,23.3s	Avella	143.87 290	P	PKPbc	15 08 13.5	+0.2
ANM	comp=Z,7.5nm,23.3s	Nome	143.88 27	ePKP	PKPbc	15 08 13.4	+1.0
ANM	comp=Z,7.5nm,23.3s	Nome	143.88 27	ePKP	PKPbc	15 08 13.4	+0.9
454A	comp=Z,7.5nm,23.3s	Qutman	143.91 273	P	PKPbc	15 08 13.7	+0.1
R54A	comp=Z,7.5nm,23.3s	Victor	143.96 286	P	PKPbc	15 08 13.6	0.0
HODGE	comp=Z,7.5nm,23.3s	Hodges	143.97 280	ePKP	PKPbc	15 08 13.4	-0.2
Q54A	comp=Z,7.5nm,23.3s	Coxs Mills	144.00 288	P	PKPbc	15 08 13.6	-0.1
254A	comp=Z,7.5nm,23.3s	Abbeville	144.07 275	P	PKPbc	15 08 13.8	+0.2
D50A	comp=Z,7.5nm,23.3s	G1974 West Tow	144.10 302	P	PKPbc	15 08 13.6	-0.1
F51A	comp=Z,7.5nm,23.3s	Arnstein	144.13 300	P	PKPbc	15 08 14.1	+0.3
Z54A	comp=Z,7.5nm,23.3s	Sparta	144.13 278	P	PKPbc	15 08 14.0	-0.2
TIGA	comp=Z,7.5nm,23.3s	Tifton	144.13 274	P	PKPbc	15 08 14.1	-0.1
154A	comp=Z,7.5nm,23.3s	Montrose	144.14 277	ePKP	PKPbc	15 08 14.2	-0.1
154A	comp=Z,7.5nm,23.3s	Montrose	144.14 277	ePKP	PKPbc	15 08 14.1	-0.1
T54A	comp=Z,7.5nm,23.3s	Tazewell	144.17 284	P	PKPbc	15 08 14.2	-0.1
Y54A	comp=Z,7.5nm,23.3s	Tignall	144.20 279	P	PKPbc	15 08 14.4	0.0
M53A	comp=Z,7.5nm,23.3s	W J Miller and	144.29 292	P	PKPbc	15 08 15.1	+0.6
KLBO	comp=Z,7.5nm,23.3s	Killbear Provi	144.31 299	P	PKPbc	15 08 14.9	+0.5
N53A	comp=Z,7.5nm,23.3s	Lisbon	144.32 291	P	PKPbc	15 08 15.1	+0.5
J52A	comp=Z,7.5nm,23.3s	Paris	144.35 295	P	PKPbc	15 08 15.2	+0.6
K52A	comp=Z,7.5nm,23.3s	Tilsonburg	144.48 294	P	PKPbc	15 08 14.5	-0.2
453A	comp=Z,7.5nm,23.3s	Whigham	144.51 273	P	PKPbc	15 08 15.3	+0.1
O53A	comp=Z,7.5nm,23.3s	New Philadelphia	144.52 290	P	PKPbc	15 08 15.0	0.0
P53A	comp=Z,7.5nm,23.3s	Whipple	144.52 289	ePKP	PKPbc	15 08 15.4	+0.1
P53A	comp=Z,7.5nm,23.3s	Whipple	144.52 289	ePKP	PKPbc	15 08 14.7	-0.4
353A	comp=Z,7.5nm,23.3s	Camilla	144.60 274	P	PKPbc	15 08 15.6	+0.1
GOGA	comp=Z,7.5nm,23.3s	Godfrey	144.68 278	ePKP	PKPbc	15 08 15.5	-0.3
GOGA	comp=Z,7.5nm,23.3s	Godfrey	144.68 278	ePKP	PKPbc	15 08 15.5	-0.3
GOGA	comp=Z,7.5nm,23.3s	Godfrey	144.68 278	ePKP	PKPbc	15 08 15.9	0.0
BG3	comp=Z,7.5nm,23.3s	Lake Jocassee	144.71 281	ePKP	PKPbc	15 08 15.9	0.0
E50A	comp=Z,7.5nm,23.3s	Wahnapitae	144.71 301	P	PKPbc	15 08 15.7	+0.1
Z53A	comp=Z,7.5nm,23.3s	Monticello	144.72 277	P	PKPbc	15 08 15.9	0.0
153A	comp=Z,7.5nm,23.3s	Fort Valley	144.73 276	P	PKPbc	15 08 15.8	-0.2
R53A	comp=Z,7.5nm,23.3s	Hurricane	144.73 286	P	PKPbc	15 08 16.0	0.0
S53A	comp=Z,7.5nm,23.3s	Williamson	144.74 285	P	PKPbc	15 08 16.0	0.0
253A	comp=Z,7.5nm,23.3s	Americus	144.78 275	P	PKPbc	15 08 16.3	0.0
U53A	comp=Z,7.5nm,23.3s	Fall Branch	144.83 283	P	PKPbc	15 08 16.0	-0.1
I51A	comp=Z,7.5nm,23.3s	Listowel	144.80 296	P	PKPbc	15 08 15.8	-0.2
V53A	comp=Z,7.5nm,23.3s	Saluda	144.80 282	ePKP	PKPbc	15 08 15.9	-0.3
V53A	comp=Z,7.5nm,23.3s	Saluda	144.80 282	ePKP	PKPbc	15 08 16.2	-0.1
M52A	comp=Z,7.5nm,23.3s	Chesterland	144.81 292	P	PKPbc	15 08 16.3	+0.1
X53A	comp=Z,7.5nm,23.3s	Estanollee	144.87 280	P	PKPbc	15 08 16.2	-0.3
T53A	comp=Z,7.5nm,23.3s	Wise	144.90 284	P	PKPbc	15 08 16.7	+0.1
Y53A	comp=Z,7.5nm,23.3s	Monroe	144.91 278	P	PKPbc	15 08 16.3	-0.3
W53A	comp=Z,7.5nm,23.3s	Cullowhee	144.94 281	P	PKPbc	15 08 16.4	-0.5
N52A	comp=Z,7.5nm,23.3s	McGinn's Farm	144.96 291	P	PKPbc	15 08 16.1	-0.5
O52A	comp=Z,7.5nm,23.3s	Adamsville	144.97 290	ePKP	PKPbc	15 08 16.4	-0.2
O52A	comp=Z,7.5nm,23.3s	Adamsville	144.97 290	ePKP	PKPbc	15 08 16.8	+0.2
BMRO	comp=Z,7.5nm,23.3s	Merriville Lake	144.99 297	P	PKPbc	15 08 17.1	-0.2
K51A	comp=Z,7.5nm,23.3s	Iona Station	145.06 294	P	PKPbc	15 08 16.8	0.0
Q52A	comp=Z,7.5nm,23.3s	Bidwell	145.10 287	P	PKPbc	15 08 17.1	0.0
P52A	comp=Z,7.5nm,23.3s	Corning	145.11 289	P	PKPbc	15 08 17.3	+0.1
D49A	comp=Z,7.5nm,23.3s	Reulath Townshi	145.14 302	P	PKPbc	15 08 16.7	-0.3
452A	comp=Z,7.5nm,23.3s	Marianna	145.20 273	P	PKPbc	15 08 17.1	-0.6
TOB0	comp=Z,7.5nm,23.3s	Tobermory, Bru	145.23 298	P	PKPbc	15 08 17.3	0.0
252A	comp=Z,7.5nm,23.3s	Lumpkin	145.24 275	P	PKPbc	15 08 17.6	-0.2
R52A	comp=Z,7.5nm,23.3s	Catlettsburg	145.27 286	P	PKPbc	15 08 17.9	0.0
BAS0	comp=Z,7.5nm,23.3s	Ashfield	145.27 296	P	PKPbc	15 08 17.6	-0.1
T52A	comp=Z,7.5nm,23.3s	Hallie	145.28 284	P	PKPbc	15 08 18.0	0.0
Y52A	comp=Z,7.5nm,23.3s	Liburn	145.29 278	ePKP	PKPbc	15 08 17.6	-0.4
Y52A	comp=Z,7.5nm,23.3s	Liburn	145.29 278	ePKP	PKPbc	15 08 17.9	0.0
X52A	comp=Z,7.5nm,23.3s	Dahlehoga	145.37 280	P	PKPbc	15 08 18.1	-0.1
Z52A	comp=Z,7.5nm,23.3s	Williamson	145.37 277	P	PKPbc	15 08 18.0	-0.2
M51A	comp=Z,7.5nm,23.3s	Glyria	145.40 292	P	PKPbc	15 08 17.9	-0.1
U52A	comp=Z,7.5nm,23.3s	Thorn Hill	145.41 283	P	PKPbc	15 08 18.0	-0.3
D48A	comp=Z,7.5nm,23.3s	Paush Townsh	145.45 302	P	PKPbc	15 08 17.7	-0.3
152A	comp=Z,7.5nm,23.3s	Waverly Hall	145.45 276	ePKP	PKPbc	15 08 18.0	-0.4
152A	comp=Z,7.5nm,23.3s	Waverly Hall	145.45 276	ePKP	PKPbc	15 08 18.1	-0.4
V52A	comp=Z,7.5nm,23.3s	Sevierville	145.46 282	ePKP	PKPbc	15 08 17.9	-0.5
V52A	comp=Z,7.5nm,23.3s	Sevierville	145.46 282	ePKP	PKPbc	15 08 18.4	0.0
S52A	comp=Z,7.5nm,23.3s	Salversville	145.47 285	P	PKPbc	15 08 18.3	0.0
W52A	comp=Z,7.5nm,23.3s	Murphy	145.50 280	ePKP	PKPbc	15 08 18.3	-0.2
W52A	comp=Z,7.5nm,23.3s	Murphy	145.50 280	ePKP	PKPbc	15 08 18.5	0.0
O51A	comp=Z,7.5nm,23.3s	Pataskala	145.55 289	P	PKPbc	15 08 18.8	0.0
451A	comp=Z,7.5nm,23.3s	Vernon	145.57 272	P	PKPbc	15 08 18.2	-0.5
TZTN	comp=Z,7.5nm,23.3s	Tazewell	145.59 283	ePKP	PKPbc	15 08 18.1	-0.5
TZTN	comp=Z,7.5nm,23.3s	Tazewell	145.59 283	ePKP	PKPbc	15 08 18.5	0.0
F47A	comp=Z,7.5nm,23.3s	Sanfield	145.61 299	P	PKPbc	15 08 18.7	+0.2
351A	comp=Z,7.5nm,23.3s	Pinckard	145.69 273	P	PKPbc	15 08 18.8	-0.1
E48A	comp=Z,7.5nm,23.3s	Laweyer	145.70 301	P	PKPbc	15 08 18.7	-0.1
P51A	comp=Z,7.5nm,23.3s	Williamsport	145.79 288	ePKP	PKPbc	15 08 18.4	-0.3
P51A	comp=Z,7.5nm,23.3s	Williamsport	145.79 288	ePKP	PKPbc	15 08 19.0	+0.2
251A	comp=Z,7.5nm,23.3s	Midway	145.81 275	P	PKPbc	15 08 19.3	+0.2
ACSO	comp=Z,7.5nm,23.3s	Alum Creek Sta	145.85 290	ePKP	PKPbc	15 08 19.9	+0.1
ACSO	comp=Z,7.5nm,23.3s	Alum Creek Sta	145.85 290	ePKP	PKPbc	15 08 19.4	0.0
S51A	comp=Z,7.5nm,23.3s	Beattyville	145.86 285	ePKP	PKPbc	15 08 19.3	-0.3
S51A	comp=Z,7.5nm,23.3s	Beattyville	145.86 285	ePKP	PKPbc	15 08 19.6	0.0
151A	comp=Z,7.5nm,23.3s	Opelika	145.89 275	P	PKPbc	15 08 19.6	



10d 14h

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Table with columns: ILAR, Eielson Array, 149.44, 17, PKPbc, PKPbc, 15 08 27.6 -0.9, etc.

Table with columns: U42A, Reven den, 151.60, 280, P, PKPbc, 15 08 34.0 -0.6, etc.

Table with columns: K22A, Casper, 163.39, 297, ePKPdf, PKPdf, 15 08 41.0 -2.1, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, h, n, Time, Res, etc.





Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HDA Harding Lake, ILAR Eielson Array, etc.

az=207.0 NEIC Felt in Guanacaste, western Puntarenas and in much of the Valle Central. UCR 10:16:51.41.3±1.6, 10.16N-84.74W, h69km, 3km, MD3.7, ML4.3, mb4.3(NEIC) ISC 10:16:51.40.7±0.6, 10.17N±0.04±84.72W±0.03, h74km±4km, n301, ±1914/331, mb4.2/47, 4C-24D, Costa Rica

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like 249A Camden, 151A Pelika, 150A Electic, etc.

ISCJB 10:16:46:05.9±0.6, 10.96S±0.07±165.92E±0.1, h10km, mb3.9/8, Error ellipse: s-maj=11.8km s-min=9.3km az=163.9 IDC 10:16:46:05.3±1.6, 10.93S±166.02E, h0km, mb3.9/6, mb1.4/1.8, mb1mx3.8/43, mbtmp4.0/8, ML4.2/2, Error ellipse: s-maj=40.5km s-min=27.5km az=130.0 NEIC 10:16:46:08.1±0.6, 10.90S±165.89E, h10km, mb4.4/4, Error ellipse: s-maj=12.7km s-min=10.0km az=73.0 ISC 10:16:46:08.0±0.7, 10.91S±0.09±165.93E±0.10, h10km, n19, ±127/19, mb3.9/8, Santa Cruz Islands

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SRA1 San Ramn, JuntasAbangare, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like 249A Camden, 151A Pelika, etc.

ISCJB 10:16:47:57.8±0.9, 11.2S±0.1±165.9E±0.1, h10km, mb3.8/8, MS3.7/6, Error ellipse: s-maj=19.8km s-min=15.3km az=173.6 IDC 10:16:47:57.8±1.6, 11.03S±165.87E, h0km, mb3.8/7, mb1.4/1.9, mb1mx3.8/45, mbtmp3.9/9, ML4.2/2, MS3.6/7, Ms1.3/6.7, ms1mx3.2/34, Error ellipse: s-maj=40.3km s-min=27.2km az=125.0 NEIC 10:16:47:59.3±0.7, 11.11S±165.92E, h10km, mb4.5/2, Error ellipse: s-maj=15.3km s-min=11.7km az=86.0 ISC 10:16:47:59.4±1.1, 11.11S±0.1±165.9E±0.2, h10km, n20, ±677/17, mb3.8/8, MS3.6/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SRA1 San Ramn, JuntasAbangare, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like 249A Camden, 151A Pelika, etc.

NEIC 10:16:51.3±1.0, 17.61N±95.49W, h125km, MD4.1(MEX), After MEX.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CMIG Matias Romero, VHO Vista Hermosa, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like SJCC San Jacinto, WBCY West Bay, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like 249A Camden, 151A Pelika, etc.

IDC 10:16:51:38.4±1.3, 10.40N±84.46W, h49km, 3km, mb3.8/18, mb1.4/0.18, mb1mx3.9/40, mbtmp4.0/18, MS3.3/8, Ms1.3/3.8, ms1mx3.0/47, Error ellipse: s-maj=25.2km s-min=20.6km az=33.0

ISCJB 10:16:51:40.3±0.2, 10.19N±0.03±84.73W±0.03, h84km±1km, mb4.1/47, Error ellipse: s-maj=5.9km s-min=2.1km az=40.3 NEIC 10:16:51:40.7±0.7, 10.03N±84.70W, h83km±4km, mb4.3/34, MD4.5(UCR), Error ellipse: s-maj=12.3km s-min=6.4km

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like 601Z Ochopji, ATAH Atahualpa, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like 249A Camden, 151A Pelika, etc.





IDC 10 17:17:26.6:1.1, 10:94S:165:59E, h0km, mb4.0/9, mb1 4.2/11, mb1mx4.0/41, mbtmp4.1/11, ML4.2/2, MS3.3/3, Ms1 3.3/3, ms1mx2.9/29, Error ellipse: s-maj=34.1km s-min=20.7km az=129.0

ISCJBJ 10 17:17:29.3:0.1, 11:05S:0:10:165:52E:0.08, h30km, mb4.0/8, MS4.0/1, Error ellipse: s-maj=15.0km s-min=10.8km az=27.5

ISC 10 17:17:31.1:0.8, 11:05S:0:1x165:56E:0.1, h30km, n19, c=070/15, mb4.0/8, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like HNR Honiara, DZM Mont Dzumac, etc.

MEX 10 17:28:22.8:0.7, 16:67N:94:16W, h141km, 9km, MD3.8, Oaxaca

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like CMIG Matias Romero, COIG Comitán, etc.

IDC 10 17:39:17.5:2.0, 32:16N:50:04E, h0km, mb3.6/7, mb1 3.6/11, mb1mx3.4/49, mbtmp3.5/11, ML3.4/3, Error ellipse: s-maj=48.3km s-min=19.4km az=158.0

TEH 10 17:39:18.1, 32:10N:50:19E, h10km, ML3.6

ISCJBJ 10 17:39:19.3:0.3, 32:04N:0:03:50:18E:0.04, h16km, mb3.6/7, Error ellipse: s-maj=5.7km s-min=3.8km az=136.9

THR 10 17:39:22.4, 32:31N:50:25E, h14km, ML3.7

DSN 10 17:39:28.4:0.2, 32:28N:51:60E, h15km, ML3.0/5, Error ellipse: s-maj=16.5km s-min=9.3km az=239.0

ISC 10 17:39:20.0:0.6, 32:14N:0:05:50:32E:0.03, h16km, n63, c=197/65, mb3.6/7, 3C-2D, Northern and central Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like ZNGN Zangian, IPIR Pirpir, SHGR Shooshtar-Gavs, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like ILIN Lien, IFIR Firoozkooh, ISHM Shahmirzad, etc.

IDC 10 17:41:29.8:3.9, 26:40S:176:22W, h0km, mb3.7/2, mb1 4.0/2, mb1mx3.6/28, mbtmp3.7/2, Error ellipse: s-maj=204.1km s-min=39.7km az=155.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like ASAR Alice Springs, WRA Warramunga Arr, etc.

IDC 10 17:45:21.4:4.2, 10:99S:165:94E, h50km, 38km, mb3.4/3, mb1 3.9/5, mb1mx3.4/37, mbtmp3.9/5, ML4.4/2, Error ellipse: s-maj=38.5km s-min=36.5km az=126.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like HNR Honiara, DZM Mont Dzumac, H1S2 WAKE ISLAND Hy 29.30, etc.

IDC 10 17:45:44.8:1.5, 27:58N:52:79E, h0km, mb3.7/11, mb1 3.8/13, mb1mx3.6/47, mbtmp3.7/13, ML3.2/2, MS3.5/1, Ms1 3.5/1, ms1mx2.6/43, Error ellipse: s-maj=31.8km s-min=21.0km az=170.0

TEH 10 17:45:46.9, 27:64N:52:79E, h13km, ML3.8

ISCJBJ 10 17:45:47.1, 0.5, 27:64N:0:04:52:78E:0.07, h20km, mb3.7/11, MS3.5/1, Error ellipse: s-maj=9.4km s-min=7.6km az=162.3

THR 10 17:45:48.9, 27:75N:52:76E, h18km, ML3.5

OMAN 10 17:45:51.0, 0.3, 27:66N:52:93E, h24km, ml3.6/8, Error ellipse: s-maj=12.0km s-min=4.2km az=226.0

DSN 10 17:45:52.0:0.3, 27:61N:53:09E, h15km, ML3.6/7, Error ellipse: s-maj=6.0km s-min=3.7km az=344.0

ISC 10 17:45:48.6:0.8, 27:68N:0:06:52:83E:0.08, h20km, n52, c=1919/56, mb3.6/11, Southern Iran

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like GHIR Ghir-Karzin, SHME Sham, ASUD Al Ashudh, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like UOSS Minazif, HATD Hatta, Dubai, KRBR Kerman, etc.

ISCJBJ 10 17:46:02.2:4.1, 19:6S:0:4:177:4W:0:4, h60km, mb3.9/4, Error ellipse: s-maj=70.6km s-min=29.6km az=43.9

IDC 10 17:46:04.1, 3.2, 19:71S:177:52W, h586km, 36km, mb3.2/4, mb1 3.4/5, mb1mx3.0/32, mbtmp4.3/5, Error ellipse: s-maj=33.5km s-min=21.1km az=169.0

ISC 10 17:46:04.1:1.3, 19:6S:0:4:177:4W:0:2, h60km, n10, c=071/13, mb3.9/4, Fiji Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like URZ Urewera, CTA Charters Tower, STKA Stephens Creek, etc.

UCR 10 17:47:08.4:2.2, 10:06N:86:48W, h16km, 7km, ML3.8, 5C, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists various stations like PLVR Palo Verde, BUV Buena Vista, GB1A Borinquen Arri, etc.

SJA 10 17:58:27.6:0.5, 30:74S:71:57W, h69km, 96km, ML3.7, MW4.1

ISCJBJ 10 17:58:28.0:1.4, 30:77S:0:04:71:6W:0:2, h63km, 51km, Error ellipse: s-maj=21.8km s-min=6.4km az=5.3

ISC 10 17:58:28.0:0.6, 30:77S:0:04:71:6W:0:1, h55km, 26km, n16, c=072/22, 6C, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC, h, m, s, ISC. Lists stations like CMCH Combarbala, G004 Tololo Observa, etc.



10d 18h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Las Campanas, Cerro Coronel, Leontico, etc.

IDC 10 18:03:25.3+1.1, 11.08Sx164.78E, h0km, mb3.8/4, mb1 4.1/6, mb1mx3.8/28, mbmp4.0/6, ML4.2, MS2.7/1, Ms1 2.7/1, ms1mx2.5/30, Error ellipse: s-maj=37.6km s-min=30.8km az=130.0

ISC/JB 10 18:03:28.3+1.1, 11.2S;0.1x164.7E;0.1, h31km, mb3.8/4, Error ellipse: s-maj=21.0km s-min=11.1km az=36.9

ISC 18:03:30.1+1.2, 11.1S;0.1x164.8E;0.1, h31km, n13, r100/10, mb3.9/4, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Honiara, WAKE ISLAND, Alice Springs, etc.

BEO 10 18:10:40.9+0.9, 39.65N;25.78E, h4km;6km, ML4.1/11

DDA 10 18:10:41.2, 39.73N;25.60E, h19km;1km, ML4.1/11

IDC 10 18:10:42.4+0.9, 39.80N;25.56E, h0km, mb3.7/7, mb1 3.7/15, mb1mx3.6/45, mbmp3.7/15, ML3.3/7, MS3.1/11, Ms1 3.1/11, ms1mx2.9/58, Error ellipse: s-maj=15.0km s-min=11.6km az=70.0

THE 10 18:10:43.0, 39.72N;25.58E, h4km, ML3.7/7, Error ellipse: s-maj=0.7km s-min=0.3km az=72.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Limnos Island, Bozcaada, Agios Efstrati, etc.

2013 FEB

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Thasos Island, Skiros Island, Cerro Coronel, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DURS, SMG, ATAL, etc.



10d 18h

Table with columns: Station, Name, Time, Frequency, Modulation, and Signal Quality. Includes stations like WHRZ, OMRZ, HAZ, etc.

2013 FEB

Table with columns: Station, Name, Time, Frequency, Modulation, and Signal Quality. Includes stations like KMSI, MATI, DDM, etc.

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Table with columns: Station, Name, Time, Frequency, Modulation, and Signal Quality. Includes stations like KPJI, KSMI, KMI, etc.

PETK	comp=Z,10.0nm,1.1s,baz=87,slow=10,SNR=3.9	PKP2bc	19 19 04.3		
MDJ	Mudanjiang 64.19 332	P	18 50 07.2 0.0		
MDJ		pP	18 50 17.8 +0.3		
MDJ		SP	18 50 21.7 +1.3		
MDJ		PcP	18 50 40.4 +1.6		
MDJ		PP	18 52 29.6 +0.7		
MDJ		S	18 58 45.7 +3.6		
MDJ		sS	18 59 02.6 +4.3		
MDJ		sSs	18 59 53.0 -5.5		
MDJ	comp=Z,35nm,1.4s	pmx			
MDJ	comp=Z,2um,13.0s	LR	LR		
MDJ	comp=Z,7um,15.5s	LR	LR		
MDJ	comp=Z,9um,16.7s	LR	LR		
MDJ	comp=Z,9um,15.5s	LR	LR		
MDJ	Mudanjiang 64.19 332	eP	18 50 04.0 -2.8		
MDJ	comp=Z,32nm,1.0s	LR	LR		
WHN	comp=Z,6um,22.0s	LR	LR		
WHN	Wuhan 64.20 312	↑P	18 50 07.0 -0.5		
WHN		S	18 58 43.1 +0.4		
WHN	comp=Z,17um,16.0s	LR	LR		
WHN	comp=Z,2um,11.8s	LR	LR		
WHN	comp=Z,15um,15.6s	LR	LR		
DL2	Dalian 64.30 323	P	18 50 07.6 -0.5		
DL2		S	18 58 48.7 +5.1		
DL2	comp=Z,37nm,1.5s	pmx	pmx		
DL2	comp=Z,1um,8.6s	LR	LR		
DL2	comp=Z,8um,16.1s	LR	LR		
DL2	comp=Z,4um,17.3s	LR	LR		
DL2	comp=Z,6um,21.6s	LR	LR		
KIWB	Kanaga Island 64.33 12	eP	18 50 09.9 +1.9		
ADK	Adak 64.46 12	PFAKE	18 50 20.0 +1.1		
TYV	comp=Z,15um,21.0s	LR	LR		
TYV	Tymovskoe 64.72 344	eP	18 50 11.2 +0.7		
TYV	comp=Z,22nm,1.5s	MLR	MLR		
TYV	comp=Z,7um,18.0s	MLR	MLR		
BKNI	Bangkinang 65.06 276	eP	18 50 13.7 +0.1		
SNY	Shenyang 65.16 327	↑P	18 50 15.5 +1.9		
SNY		S	18 58 59.1 +5.0		
SNY	comp=Z,2um,8.4s	pmx	pmx		
SNY	comp=Z,10um,17.5s	LR	LR		
SNY	comp=Z,8um,17.3s	LR	LR		
SNY	comp=Z,9um,15.6s	LR	LR		
TIA	Taian 65.43 318	P	18 50 14.6 -0.9		
TIA		S	18 58 59.7 +2.0		
TIA	comp=Z,520nm,7.9s	pmx	pmx		
TIA	comp=Z,4um,19.6s	LR	LR		
TIA	comp=Z,3um,17.7s	LR	LR		
TIA	comp=Z,5um,19.2s	LR	LR		
CN2	Changchun 65.58 329	eP	18 50 15.5 -0.8		
CN2		S	18 59 02.2 +3.0		
CN2	comp=Z,20nm,1.0s	pmx	pmx		
CN2	comp=Z,1um,7.0s	LR	LR		
CN2	comp=Z,7um,17.0s	LR	LR		
CN2	comp=Z,6um,17.0s	LR	LR		
CN2	comp=Z,7um,17.0s	LR	LR		
IPM	Iloh 66.01 280	eP	18 50 19.0 -0.7		
CASY	Casey 66.37 201	PFAKE	18 50 30.0 +8.9		
CASY	comp=Z,906nm,19.0s	LR	LR		
GRNR	Gornyy 66.51 340	eP	18 50 22.0 -0.1		
GRNR	comp=Z,16nm,1.0s	pmx	pmx		
VNDA	Vanda 66.56 181	P	18 50 23.4 +1.2		
VNDA	comp=Z,19nm,0.9s,baz=358,slow=6.2,SNR=8.7	S	18 59 16.6 +6.3		
VNDA	comp=Z,12nm,1.1s,baz=44,slow=13,SNR=2.4	S	18 59 16.6 +6.3		
KULM	Kulim 66.57 281	eP	18 50 20.3 -0.3		
SBA	Scott Base 66.87 180	PFAKE	18 50 40.0 +1.6		
SKNT	Sakolnakor 66.88 294	P	18 50 26.5 +1.3		
KLR	Kul'dur 66.91 337	d/P	18 50 24.6 -0.1		
KLR	Kul'dur 66.91 337	P	18 50 24.8 0.0		
KLR	comp=Z,20nm,1.0s,baz=127,slow=5.9,SNR=16	LR	19 20 56.7		
COCO	West Island 67.15 261	PFAKE	18 50 40.0 +1.3		
COCO	comp=Z,5um,21.0s	LR	LR		
NKL	Nikolayevsk 67.32 344	eP	18 50 27.0 -0.1		
NKL		e	18 59 26.0		
NKL	comp=Z,36nm,0.9s	pmx	pmx		
PSI	Prapat 67.67 278	eP	18 50 28.6 -1.8		
PSI	Prapat 67.67 278	P	18 50 28.6 -1.8		
ENH	Enshi 67.70 309	eP	18 50 28.6 -1.6		
ENH	comp=Z,105nm,1.3s	LR	LR		
TRTT	Trang 68.14 283	P	18 50 35.3 +2.1		
GYA	Guiyang 68.21 304	↑P	18 50 33.3 -0.3		
GYA		pP	18 50 46.2 +2.2		
GYA		PP	18 53 08.8 +4.3		
GYA		S	18 59 31.0 -0.9		
GYA		SKS	19 00 26.5 -3.6		
GYA		SS	19 03 56.4 +0.8		
GYA	comp=Z,100nm,1.0s	pmx	pmx		
GYA	comp=Z,10um,11.5s	LR	LR		
GYA	comp=Z,22um,18.6s	LR	LR		
GYA	comp=Z,22um,20.5s	LR	LR		
GYA	comp=Z,18um,22.0s	LR	LR		
BJT	Baijiatuau 68.29 321	eP	18 50 33.3 -0.3		
BJT	comp=Z,57nm,1.3s	LR	LR		
BJT	comp=Z,7um,20.0s	LR	LR		
BJT	Baijiatuau 68.29 321	eP	18 50 33.3 -0.3		
BJT	comp=Z,57nm,1.3s	MLR	MLR		
BJT	comp=Z,7um,20.0s	MLR	MLR		
BJI	Beijing 68.30 321	P	18 50 33.6 -0.1		
BJI		S	18 59 35.5 +3.3		
BJI	comp=Z,6um,17.4s	LR	LR		
BJI	comp=Z,5um,17.9s	LR	LR		
CHAI	Chaiyaphum 68.33 292	P	18 50 37.6 +3.3		
PATY	Pattaya 68.44 289	P	18 50 39.1 +4.1		
GSI	Gunungsitoli 68.66 276	eP	18 50 34.9 -1.6		
TIY	Taiyuan 69.37 317	eP	18 50 53.3 +2.4		
TIY		pP	18 59 39.5 -5.7		
TIY	comp=Z,34nm,1.3s	pmx	pmx		

TIY	comp=Z,950nm,6.2s	pmx	pmx		
TIY	comp=Z,5um,13.5s	LR	LR		
TIY	comp=Z,2um,13.0s	LR	LR		
TIY	comp=Z,5um,17.9s	LR	LR		
PBKT	Sadao Pong 69.47 292	eP	18 50 41.8 +0.4		
PBKT	Sadao Pong 69.47 292	P	18 50 43.2 +1.8		
XAN	Xi'an 69.93 312	P	18 50 43.0 -1.0		
XAN		pP	18 50 56.2 +1.8		
XAN		SP	18 51 02.3 +4.7		
XAN		PcP	18 51 07.1 +0.9		
XAN		PP	18 53 22.8 +3.6		
XAN		S	18 59 45.4 -6.4		
XAN		SS	19 04 23.9 +2.2		
XAN	comp=Z,2um,8.4s	pmx	pmx		
XAN	comp=Z,5um,18.4s	LR	LR		
XAN	comp=Z,3um,18.4s	LR	LR		
XAN	comp=Z,5um,21.7s	LR	LR		
XAN	Xi'an 69.93 312	eP	18 50 42.7 -1.3		
XAN	comp=Z,276nm,1.3s	eP	18 50 42.7 -1.3		
XAN		pmx	pmx		
UTTA	Utтарadit 70.22 293	P	18 50 50.5 +4.5		
NANT	Nan 70.44 294	P	18 50 48.8 +1.5		
SRDT	SRDT 70.48 290	P	18 50 54.8 +7.1		
UTHA	Uthaitani 70.55 291	P	18 50 53.9 +5.9		
KMI	Kunming 70.92 301	P	18 50 50.8 +0.4		
KMI		pP	18 51 04.1 +3.2		
KMI		SP	18 51 07.9 +4.7		
KMI		S	19 00 05.1 +1.1		
KMI		SS	19 00 22.0 +1.6		
KMI		SSS	19 04 38.3 +0.8		
KMI	comp=Z,47nm,1.8s	pmx	pmx		
KMI	comp=Z,2um,8.0s	LR	LR		
KMI	comp=Z,4um,17.0s	LR	LR		
KMI	comp=Z,2um,18.5s	LR	LR		
KMI	comp=Z,5um,21.1s	LR	LR		
MA2	Magadan 71.31 352	P	18 50 57.5 +6.9		
MA2		P	18 50 52.0 +0.3		
MA2	comp=Z,11um,20.0s	LR	LR		
MA2	Magadan 71.31 352c	iP	18 50 52.7 +0.9		
MA2		pmx	pmx		
MA2	comp=Z,32nm,1.7s	MLR	MLR		
MA2	Magadan 71.31 352	P	18 50 52.0 +0.3		
HHC	Hu-ho-hao-te 71.65 320	eP	18 50 54.0 -0.4		
HHC		SP	18 51 10.0 +2.6		
HHC		S	19 00 09.9 -1.8		
HHC		SKIKP	19 00 28.9 -1.8		
HHC		SS	19 04 48.5 +0.5		
HHC	comp=Z,2um,7.8s	pmx	pmx		
HHC	comp=Z,8um,15.6s	LR	LR		
HHC	comp=Z,6um,17.3s	LR	LR		
HHC	comp=Z,8um,16.4s	LR	LR		
CM01	Chiang Mai Arr 71.88 294	eP	18 50 54.9 -1.1		
CM31	Chiang Mai Arr 71.90 294	eP	18 50 56.7 +0.5		
CM31	Chiang Mai Arr 71.90 294	P	18 50 56.2 0.0		
CMAR	Chiang Mai Arr 71.90 294c	eP	18 50 56.2 0.0		
CMAR	comp=Z,6.0nm,0.8s	pmx	pmx		
CMAR	Chiang Mai Arr 71.90 294	P	18 50 56.0 -0.3		
CMAR	comp=Z,5.9nm,0.8s,baz=138,slow=4.5,SNR=2.2	S	19 00 20.7 +5.5		
CMAR	comp=Z,0.7nm,1.0s,baz=219,slow=24,SNR=2.6	S	19 18 40.2		
CMAR	comp=Z,0.8nm,0.8s,baz=261,slow=4.0,SNR=4.6	PKP2bc	19 18 40.2		
CMMT	Chiang Mai 72.01 294	P	18 50 57.5 +0.6		
CHTO	Chiang Mai 72.02 294	eP	18 50 57.0 +0.1		
CHTO	comp=Z,5um,22.0s	LR	LR		
CHTO	Chiang Mai 72.02 294	eP	18 50 57.0 +0.1		
CHTO	Chiang Mai 72.02 294	P	18 50 55.6 -1.3		
CHTO	Chiang Mai 72.02 294	P	18 50 57.6 +0.7		
CHTO	comp=Z,105nm,1.2s,comp=Z,7um	P	18 50 57.2 0.0		
ZEA	Zeya 72.20 337	eP	18 51 18.5		
ZEA		ePPP	18 55 24.5		
ZEA		eS	19 00 23.0 -8.0		
ZEA		SKIKP	19 01 02.0		
ZEA	comp=Z,1um,9.0s	pmx	pmx		
ZEA	comp=N,800nm,8.0s	pmx	pmx		
ZEA	comp=N,110nm,1.6s	pmx	pmx		
ZEA	comp=Z,190nm,1.6s	pmx	pmx		
ZEA	comp=Z,1um,8.0s	pmx	pmx		
ZEA	comp=E,400nm,9.0s	pmx	pmx		
ZEA	comp=N,500nm,5.0s	smx	smx		
ZEA	comp=E,2um,10.0s	smx	smx		
ZEA	comp=N,800nm,12.0s	MLR	MLR		
ZEA	comp=Z,8um,16.0s	MLR	MLR		
ZEA	comp=E,4um,17.0s	MLR	MLR		
ZEA	comp=N,6um,15.0s	MLR	MLR		
HIA	Hailar 72.21 330	eP	18 50 54.5 -3.0		
HIA	comp=N,45nm,1.3s	LR	LR		
HIA	comp=Z,4um,19.0s	LR	LR		
HIA	Hailar 72.21 330	eP	18 50 54.5 -3.0		
HIA	comp=Z,45nm,1.3s	MLR	MLR		
HIA	comp=Z,4um,19.0s	MLR	MLR		
CD2	Chengdu 72.40 307	P	18 50 58.5 -0.5		
CD2		pP	18 51 09.3 -0.2		
CD2		SP	18 51 13.6 +1.7		
CD2		PP	18 53 39.6 -0.9		
CD2		S	19 00 22.3 +1.7		
CD2		SS	19 05 00.4 +0.6		
CD2	comp=Z,60nm,0.7s	pmx	pmx		
CD2	comp=Z,3um,7.8s	pmx	pmx		
CD2	comp=Z,8um,16.9s	LR	LR		
CD2	comp=Z,8um,16.9s	LR	LR		
CD2	comp=Z,7um,16.4s	LR	LR		
CD2	comp=Z,5um,18.4s	LR	LR		
BTO	Baotou 72.51 319	eP	18 50 57.1 -2.4		
CMBY	CAMPBELL BAY 73.47 281	eP	18 51 04.5 -1.2		
CMBY		IAMs_20	19 39 10.4		
SEY	Seymchan 74.38 354	eP	18 51 09.1 -0.8		
SEY	Seymchan 74.38 354	P	18 51 09.6 -0.3		
SEY	comp=Z,6.8nm,1.0s,baz=180,slow=7.1,SNR=9.4	P	18 51 12.3 +0.5		
LZH	Lanzhou 74.56 312	↑P	18 51 22.1 +0.1		
LZH		pP	18 51 27.1 +2.3		
LZH		SP	19 00 49.4 +4.3		

LZH	comp=Z,240nm,1.3s	sS	sS	18 51 17.6 -1.1	
LZH	comp=Z,2um,5.4s	pmx	pmx	19 38 57.6	
LZH	comp=Z,8um,15.7s	LR	LR		
LZH	comp=Z,8um,13.6s	LR	LR		
LZH	comp=Z,9um,15.6s	LR	LR		
PBA	Port Blair 75.73 285	eP	IAMs_20	IAMs_20	18 51 21.4 -1.2
PBA	comp=Z,2um,20.6s	eP	LR	LR	
KDAK	Kodiak Island 76.58 22	eP	P	P	18 51 24.5 +1.9















10d 19h

Table with columns: Station ID, Name, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like LRLAL Lakeview Retre, Z50A Ashland, 249A Columbiana, etc.

2013 FEB

Table with columns: Station ID, Name, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like WVT Waverly, W41B Gary Mavity, U48A Cassie Pea, etc.

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Table with columns: Station ID, Name, Frequency, Power, Direction, Date, Time, and other parameters. Includes stations like CCM Cathedral Cave, AMTX Amarillo, 319A Douglas, etc.

KSU1	baz=165,SNR=6.5 Kansas State U baz=159	75.72 340	P	P	20 06 14.2 +0.1
N42A	Yates City baz=165	75.77 346	P	P	20 06 14.5 +0.1
L50A	Kingsville baz=171	75.79 352	P	P	20 06 14.3 -0.2
N41A	Harden Midland baz=164	75.83 345	P	P	20 06 14.6 -0.1
L48A	N Adams baz=169,SNR=5.2	75.90 350	P	P	20 06 14.1 -1.1
M44A	Midewin, Midew comp=Z,58nm,1.0s	75.93 348	eP	P	20 06 14.8 -0.6
M44A	Midewin, Midew baz=166	75.93 346	P	P	20 06 14.7 -0.6
L49A	Milan baz=170	75.97 351	P	P	20 06 15.7 +0.2
MNNV	Mt. Morris Dam Perry	76.02 356	eP	P	20 06 16.3 +0.6
K55A	Perry baz=175	76.02 355	P	P	20 06 15.9 +0.1
L47A	Sherwood baz=169	76.04 350	P	P	20 06 15.8 -0.2
N40A	Mertquake, Sal baz=163,SNR=6.1	76.15 345	P	P	20 06 16.0 -0.6
L46A	Eue Claire baz=168	76.25 349	P	P	20 06 16.6 -0.5
K52A	Tiltsburg baz=173	76.29 353	P	P	20 06 17.0 -0.3
K51A	Kiona Station baz=172	76.31 353	P	P	20 06 17.2 -0.3
M41A	Milan baz=164,SNR=5.2	76.40 346	P	P	20 06 17.5 -0.5
X18A	Snowflake comp=Z,58nm,1.0s	76.44 329	eP	P	20 06 20.6 +2.0
T25A	Trinidad baz=153,SNR=18	76.47 334	P	P	20 06 19.8 +1.1
TYNO	Tyneside baz=173	76.53 354	P	P	20 06 18.8 +0.2
J55A	Hilton baz=175	76.54 356	P	P	20 06 18.9 +0.2
STCO	Saint Catharin baz=174	76.58 355	P	P	20 06 19.0 +0.1
M40A	Post Highland baz=164	76.64 345	P	P	20 06 18.9 -0.4
K47A	Vermontville baz=169	76.69 350	P	P	20 06 19.3 -0.3
K48A	Perry baz=170,SNR=6.2	76.70 351	P	P	20 06 18.7 -1.0
J52A	Paris baz=173,SNR=5.7	76.73 354	P	P	20 06 19.6 -0.2
L43A	Garden Prairie baz=166	76.83 347	P	P	20 06 20.2 -0.2
L42A	Oliver, Polo baz=165	76.83 347	P	P	20 06 20.6 +0.2
M39A	Webster baz=163	76.85 345	P	P	20 06 20.6 +0.1
X16A	Lo Mia Camp, P comp=Z,20nm,1.0s	77.00 327	eP	P	20 06 22.6 +0.8
L41A	Preston baz=164,SNR=9.6	77.07 346	P	P	20 06 20.9 -0.8
J49A	Marlette baz=171	77.13 352	P	P	20 06 21.4 -0.6
J48A	Bridge Port baz=170,SNR=7.4	77.15 351	P	P	20 06 21.5 -0.6
L40A	Anamosa comp=Z,48nm,0.9s	77.20 345	eP	P	20 06 22.2 -0.3
L40A	Anamosa baz=164,SNR=12	77.20 345	P	P	20 06 22.0 -0.5
DRWO	Darlington Wes baz=174	77.21 355	P	P	20 06 22.6 +0.2
ORCO	St. Marys Ceme baz=174	77.21 355	P	P	20 06 22.6 +0.2
J47A	Sumner baz=169	77.23 350	P	P	20 06 22.0 -0.6
I53A	Kortright Cn E baz=174	77.23 354	P	P	20 06 22.8 +0.3
WLVO	Wesleyville baz=175	77.24 355	P	P	20 06 22.7 +0.2
Y14A	Wickenburg PKRO	77.32 326	eP	P	20 06 24.7 +1.2
PKRO	Pickering baz=174,SNR=5.2	77.33 355	P	P	20 06 23.0 -0.1
I51A	Listowel baz=172,SNR=8.0	77.34 353	P	P	20 06 22.7 -0.5
SDCO	Great Sand Dun comp=Z,11nm,1.0s	77.41 333	eP	P	20 06 25.2 +1.1
SDCO	Great Sand Dun baz=152,SNR=11	77.41 333	P	P	20 06 24.8 +0.7
L39A	Vinton baz=163	77.43 345	P	P	20 06 23.9 +0.2
I55A	Frankford baz=175	77.48 356	P	P	20 06 24.1 +0.1
SCIA	State Center comp=Z,28nm,0.9s	77.50 344	P	P	20 06 21.9 -2.3
SCIA	State Center baz=162	77.52 354	P	P	20 06 24.1 -0.1
I52A	Shelburne baz=173	77.52 354	P	P	20 06 24.1 -0.1
K42A	Prairie Point baz=165,SNR=7.3	77.52 347	P	P	20 06 24.0 -0.3
K41A	Shullsburg baz=164,SNR=7.5	77.54 346	P	P	20 06 24.1 -0.3
BASO	Ashfield baz=172	77.61 353	P	P	20 06 24.7 +0.1
BWLO	Walkerton baz=172	77.66 353	P	P	20 06 25.1 +0.2
LONY	Lake Ozonia baz=178,SNR=5.2	77.75 358	P	P	20 06 26.0 +0.5
DELO	Deloro Mine baz=175	77.78 356	P	P	20 06 25.9 +0.3
H56A	Elgin baz=176,SNR=5.8	77.78 357	P	P	20 06 25.8 +0.1
H55A	Tweed baz=176	77.78 356	P	P	20 06 25.9 +0.3
K40A	Colesburg baz=164,SNR=6.2	77.80 346	P	P	20 06 25.5 -0.3
BRCO	Bruce Peninsul baz=172	77.81 353	P	P	20 06 25.7 -0.2
JFWS	Jewell Farm comp=Z,24nm,1.2s	77.82 346	eP	P	20 06 25.9 0.0
JFWS	Jewell Farm SWSC	77.82 346	eP	P	20 06 26.3 +0.4
Y12C	Blythe baz=144	77.89 325	eP	P	20 06 28.5 +2.0
Y12C	Blythe baz=145	77.89 325	eP	P	20 06 27.9 +1.4
WUAZ	Wupatki comp=Z,19nm,1.0s	77.89 328	eP	P	20 06 23.9 -2.9
WUAZ	Wupatki baz=147,SNR=5.4	77.89 328	eP	P	20 06 28.0 +1.3
S22A	4UR Ranch, Cre comp=Z,6.6nm,0.8s	77.91 332	eP	P	20 06 28.5 +1.6
S22A	4UR Ranch, Cre baz=151,SNR=7.5	77.91 332	P	P	20 06 28.0 +1.1
J43A	Natural Harves baz=166	77.93 348	P	P	20 06 26.4 -0.2
I47A	Gladwin baz=169	77.95 351	P	P	20 06 26.4 -0.2
K39A	Adwein baz=163	77.96 345	P	P	20 06 26.7 0.0
J42A	Columbus baz=166	78.00 347	P	P	20 06 27.0 +0.1
I46A	Reed City baz=169	78.00 350	P	P	20 06 26.9 -0.1
I48A	Sherman Twp baz=170	78.01 351	P	P	20 06 26.8 -0.1
MVCO	Mesa Verde comp=Z,13nm,1.0s	78.11 331	P	P	20 06 22.4 -5.6
MVCO	Mesa Verde baz=150,SNR=7.2	78.11 331	P	P	20 06 28.8 +0.8
MONP2	Monument Peak baz=144	78.13 323	P	P	20 06 29.6 +1.4
J41A	Loganville baz=165,SNR=5.7	78.21 347	P	P	20 06 28.0 0.0
BC3	Big Chucckawall baz=144,SNR=11	78.26 324	P	P	20 06 30.0 +1.2
PLVO	Plevna baz=176	78.27 356	eP	P	20 06 29.0 +0.6
PLVO	Plevna baz=176	78.27 356	eP	P	20 06 29.1 +0.8
BANO	Dancroft baz=175	78.30 356	P	P	20 06 29.2 +0.7
Q24A	Divide baz=152,SNR=6.9	78.35 334	P	P	20 06 29.5 +0.2
I43A	Langenfled Bro baz=166	78.38 348	P	P	20 06 28.8 -0.1
J40A	Soldiers Grove baz=164,SNR=8.9	78.39 346	P	P	20 06 28.8 -0.3
PKME	Peaks-Kenny Pk baz=182	78.39 2	P	P	20 06 30.4 +1.4
G53A	Haliburton	78.44 355	P	P	20 06 29.6 +0.2
G55A	Calabogie baz=176	78.46 357	P	P	20 06 29.6 +0.2
H48A	Harrisville baz=170	78.47 352	P	P	20 06 29.6 +0.2
H47A	Mt. Lake baz=170	78.48 351	P	P	20 06 29.1 -0.4
I42A	Draeger Farm, baz=168	78.52 348	P	P	20 06 29.7 0.0
IRM	Iron Mountain baz=144,SNR=6.6	78.52 325	P	P	20 06 30.6 +0.5
J39A	Decorah baz=163	78.53 345	P	P	20 06 29.9 +0.1
H46A	File Lake baz=169	78.56 350	P	P	20 06 29.3 -0.6
W13A	Hualapai Mount PFO	78.69 326	eP	P	20 06 33.1 +1.9
PFO	Pinyon Flats O baz=144	78.73 323	P	P	20 06 31.5 +0.1
ALFO	Alfred baz=178	78.76 358	P	P	20 06 31.7 +0.7
KLBO	Killbear Provi baz=173,SNR=6.9	78.80 354	P	P	20 06 31.1 -0.2
BUKO	Buck Lake baz=174	78.82 355	P	P	20 06 31.5 +0.1
I40A	Norwalk baz=164	78.84 346	P	P	20 06 31.5 -0.1
I41A	Arkdale comp=Z,33nm,0.9s	78.86 347	eP	P	20 06 31.6 0.0
I41A	Arkdale baz=165	78.86 347	eP	P	20 06 31.6 0.0
PEMO	Pembroke baz=175	78.91 356	P	P	20 06 32.2 +0.4
I39A	Houston comp=Z,33nm,0.8s	78.98 346	eP	P	20 06 32.2 -0.2
I39A	Houston baz=144,SNR=7.7	78.98 346	eP	P	20 06 32.1 -0.3
G47A	Hillman baz=170	79.00 351	P	P	20 06 32.6 +0.3
F55A	Otter Lake baz=176	79.02 357	P	P	20 06 33.0 +0.6
H42A	Shiloh baz=166	79.05 348	P	P	20 06 32.6 0.0
U15A	North Rim comp=Z,12nm,0.9s	79.06 328	eP	P	20 06 34.7 +1.4
PV17	East Wray Mesa comp=Z,12nm,0.8s	79.22 331	eP	P	20 06 34.6 +0.6
ALGO	Algonquin Park baz=175	79.24 356	P	P	20 06 33.7 +0.1
ISCO	Idaho Springs baz=152,SNR=5.4	79.26 334	P	P	20 06 34.9 +0.6
GMRC	Granite Mounta baz=144,SNR=12	79.28 325	P	P	20 06 34.9 +0.6
TSUM	Tsumeb comp=Z,44nm,1.0s	79.33 106	eP	P	20 06 35.7 +0.6
TRQ	Mont Tremblant H41A	79.35 358	eP	P	20 06 34.2 -0.1
H41A	Junction City baz=175	79.35 347	eP	P	20 06 34.1 -0.2
H41A	Junction City baz=175	79.35 347	eP	P	20 06 34.4 -0.1
F49A	Sandfield baz=172	79.38 353	P	P	20 06 34.0 -0.4
H40A	Chili baz=165	79.50 347	P	P	20 06 35.1 0.0
E52A	Mattawa baz=174	79.61 355	P	P	20 06 35.5 -0.1
E53A	Dumoine, Ponti baz=175,SNR=5.3	79.64 356	P	P	20 06 35.8 0.0
HEC	Hector, Ludlow baz=144,SNR=5.3	79.64 324	P	P	20 06 37.3 +1.1
E54A	Lac Duplat, Po baz=176	79.66 356	P	P	20 06 36.2 +0.2
F46A	Macinaw City C baz=169	79.71 351	P	P	20 06 36.5 +0.3
G42A	Moutain baz=166	79.74 348	P	P	20 06 36.6 +0.2
KNB	Kanab comp=Z,30nm,1.0s	79.79 328	eP	P	20 06 38.5 +1.4
KNB	Kanab comp=Z,30nm,1.0s	79.79 328	eP	P	20 06 38.5 +1.4
G41A	Antigo baz=166	79.84 348	P	P	20 06 37.3 +0.3
E51A	G1194 Merrick baz=174	79.91 355	P	P	20 06 37.3 0.0
H38A	Maiden Lodg baz=163	79.93 345	P	P	20 06 37.5 +0.1
ECSD	EROS Data Cent comp=Z,34nm,1.0s	80.05 342	eP	P	20 06 38.2 +0.1
ECSD	EROS Data Cent baz=159,SNR=29	80.05 342	eP	P	20 06 38.1 -0.1
G40A	Rib Lake baz=165	80.08 347	P	P	20 06 38.1 -0.2
E48A	Lockeyer baz=172	80.10 353	P	P	20 06 38.2 -0.1
F43A	Flat Rock, Esc baz=175,SNR=12	80.11 349	P	P	20 06 38.1 -0.3
F44A	Big Bay de Noc baz=168	80.14 350	P	P	20 06 38.7 +0.2
F42A	Maple Grove Fa baz=166	80.19 349	P	P	20 06 39.4 +0.5
E47A	Iron Ridge baz=171	80.20 352	P	P	20 06 38.5 -0.3
E46A	Sault Ste Mari baz=170,SNR=6.5	80.23 351	P	P	20 06 38.7 -0.3
GSC	Goldstone, Bar baz=144,SNR=5.9	80.25 324	eP	P	20 06 41.5 +2.0
GSC	Goldstone, Bar baz=144,SNR=5.9	80.25 324	eP	P	20 06 41.5 +2.0
D52A	ZEK Kipawa Sen baz=143,SNR=5.3	80.28 356	P	P	20 06 39.5 +0.2
BOSA	Boshof comp=Z,133nm,1.5s	80.29 118	iP	P	20 06 40.9 +0.8
BOSA	Boshof baz=163	80.29 118	iP	P	20 06 40.3 +0.1
BOSA	Boshof comp=Z,26nm,1.2s,baz=237,slow=4.0,SNR=37	80.29 118	iP	P	20 06 39.8 -0.4
BOSA	Boshof baz=163	80.29 118	iP	P	20 06 40.5 +0.3
BOSA	Boshof baz=163	80.29 118	iP	P	20 06 40.0 -0.2
G39A	Holcombe baz=164	80.29 346	P	P	20 06 39.3 0.0
G38A	Ridgeland baz=163	80.31 346	P	P	20 06 39.0 -0.5
D53A	Lac Vacive, Po baz=175,SNR=7.4	80.34 356	P	P	20 06 39.7 +0.1
F41A	Three Lakes baz=166	80.34 348	P	P	20 06 39.5 -0.2
D54A	Lac Fusel, La baz=17				



10d 19h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like K02D, LSZ, LPSR, TMR, etc.

2015 FEB

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like VSR, LPSR, TMR, etc.

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Table with columns for station code, name, frequency, power, and other technical details. Includes stations like NIL, KULM, ASAJ, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JOBA Circle Bar, SCCHO Schefferville, YKA Yellowknife, etc.

IDC 20:20:06:29.1±2.1, 4.26S:151.48E, h0km, mb3.2/3, mb1 3.5/3, mb1mx3.4/37, mbtmp3.2/3, Error ellipse: s-maj=169.5km s-min=27.8km az=126.0, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warrungarra Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

ISCJB 20:20:09:36.2±1.1, 11.0S:0.1°165.9E:0.1, h35km, mb3.8/4, MS3.8/1, Error ellipse: s-maj=20.2km s-min=11.8km az=31.3

IDC 20:20:09:39.7±4.1, 11.01S:165.89E, h52km, mb3.6/4, mb1 4.0/6, mb1mx3.6/37, mbtmp3.1/6, ML4.4/2, MS3.8/1, Ms1 3.8/1, ms1mx3.3/26, Error ellipse: s-maj=32.3km s-min=25.7km az=43.0

ISC 20:20:09:38.0±1.3, 11.0S:0.1°166.0E:0.1, h35km, n13, o090/7, mb3.7/4, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, H11S2 WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SJA 10:20:11:44.5±0.7, ISCBJ 10:20:11:45.4±1.6, GUC 10:20:11:48.0±0.6, etc.

ISCJB 20:20:13:16.1±1.4, 36.81N:0.05:141.46E:0.08, h15km, gkm, mb3.6/3, Error ellipse: s-maj=11.1km s-min=8.5km az=10.7

JMA 20:20:13:18.3, 36.82N:141.30E, h32km, 1km, M3.2, ID: 10:20:13:19.4±2.5, 36.36N:141.19E, h0km, mb3.4/2, mb1 3.4/3, mb1mx3.4/29, mbtmp3.2/3, ML2.2/1, Error ellipse: s-maj=51.4km s-min=28.9km az=49.0

ISC 20:20:13:17.6±2.1, 36.83N:0.05:141.27E:0.09, h7km, 13km, n19, o156/21, mb3.5/3, 1C, Near east coast of eastern Honu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ONAJ iwakimizuishy, JHO Hitachi, JFO Kawauchi, etc.

ISCJB 20:20:14:15.3±0.6, 36.65N:0.04:3.07W:0.05, h15km, 5km, Error ellipse: s-maj=7.4km s-min=5.5km az=137.2

SFS 10:20:14:16.0, 36.66N:2.96W, h10km, ML2.4, ADRA (ALMERIA)

MDD 10:20:14:16.7±0.8, 36.65N:2.98W, h4km, 8km, mbLg2.4/2, Error ellipse: s-maj=6.9km s-min=3.4km az=159.0, PRXIMO

CNRM 10:20:14:18.2, 36.50N:2.66W, h26km, m3.4, IS: 10:20:14:15.8±1.2, 36.60N:0.04:3.03W:0.04, h14km, 11km, n25, o155/34, 3D, Strait of Gibraltar

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like EBER Berja, ELGU Los Guajares, EQUQ Quentaur, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ETOB Tobarra, ECAB EI Cabril, ECAB 1.2nm,0.3s,SNR=11, PAB San Pablo, etc.

IDC 20:20:16:2.1, 6.1096S:165.52E, h0km, mb3.8/4, mb1 4.0/5, mb1mx3.7/30, mbtmp3.8/5, ML3.6/1, Error ellipse: s-maj=51.0km s-min=28.5km az=125.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, WRA Warrungarra Arr, ASAR Alice Springs, etc.

SVSA 10:20:20:02.8±1.6, 38.334N:26.82W, h1km, 7km, MD3.5, ML2.9, Error ellipse: s-maj=8.2km s-min=3.3km az=37.0, Azores Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PSCM Serra do Cume, ADH Angra Heroismo, PSET Sete Cidades, etc.

IDC 20:20:30:44.0±1.8, 11.06S:165.36E, h0km, mb3.6/3, mb1 3.9/5, mb1mx3.6/34, mbtmp3.8/5, ML4.0/2, MS4.3/1, Ms1 4.2/1, ms1mx3.4/26, Error ellipse: s-maj=41.3km s-min=32.9km az=130.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, H11S2 WAKE ISLAND Hy, etc.

IDC 20:20:43:12.4±0.6, 10.90S:164.90E, h0km, mb4.6/20, mb1 4.8/22, mb1mx4.7/34, mbtmp4.6/22, ML4.6/2, MS4.1/1, Ms1 4.1/1, ms1mx3.3/37, Error ellipse: s-maj=20.9km s-min=14.8km az=125.0

NEIC 10:20:43:14.5±0.1, 10.91S:164.73E, h10km, mb4.9/63, Error ellipse: s-maj=6.1km s-min=4.0km az=148.0

ISCJB 10:20:43:16.2±0.2, 10.99S:0.05:164.68E:0.04, h31km, mb4.8/93, Error ellipse: s-maj=7.0km s-min=4.6km az=157.1

ISC 20:20:43:17.3±0.4, 10.94S:0.07:164.83E:0.07, h31km, n166, o190/164, mb4.9/93, 1C-ID, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, MARCO Mare, Loyalty, DZM Mont Dzumac, etc.

Table with columns: SEY, Name, Az, El, P, Max, Min, Az, El, P, Max, Min. Rows include Charters Tower, Mount Surprise, Coen, Roma, Armadale, QIS, WAKE ISLAND, etc.

Table with columns: SEY, Name, Az, El, P, Max, Min, Az, El, P, Max, Min. Rows include Seymchan, Gambell, Sonm, SONGIO, Gaotai, etc.

Table with columns: Name, Az, El, P, Max, Min, Az, El, P, Max, Min. Rows include Boulder Array, Pinedale Array, Yellowknife Ar, etc.

Table with columns: Code, Station Name, Az, El, P, Max, Min, Az, El, P, Max, Min. Rows include White Island, Te Kaha, Raukumara Rang, etc.

10d 20h
IDC 10:54:20.2, 1.6, 11.08S, 164.15E, h0km, mb3.6/5,
mb1.3, 8.6, mb1mx3.731, mbtm3.7/6, ML4.4/1, Error
ellipse: s-maj=46.6km, s-min=29.4km, az=117.0
ISC/JB 10:54:22.6, 1.0, 11.3S, 0.1, 164.2E, 0.2, h29km, mb3.5/5,
Error ellipse: s-maj=28.6km, s-min=18.2km, az=172.3
ISC 10:54:24.4, 1.2, 11.2S, 0.1, 164.2E, 0.2, h29km, m12,
c1516f, mb3.5/5, Santa Cruz Islands region











10d 23h

s-min=1.2km az=96.0
BUJ 10 23:25:10.4, 10.46S, 164.91E, h33km, mB5.5/2, mb5.2/70,
MS5.3/63, Ms7.5.1/60
ISCJCB 10 23:25:10.9, 0.1, 10.68S, 164.02E, 164.68E, 0.02, h35km,
mb5.2/201, MS5.2/161, Error ellipse: s-maj=3.6km
s-min=3.2km az=175.1
MOS 10 23:25:10.6, 1.0, 10.68S, 164.64E, h34km, mb5.5/48,
MS5.1/21, Error ellipse: s-maj=8.4km s-min=6.9km
az=119.3
NEIC 10 23:25:11.4, 1.8, 10.67S, 164.74E, h28km, 13km,
mb5.3/141, MS5.2/106, MW5.4, Error ellipse: s-maj=5.3km
s-min=4.6km az=173.0 Moment Tensor Solution s26
Moment tensor: Scale 10^17Nm: M1=0.37; M2=0.93;
M3=-0.57; M4=0.44; M5=1.35; M6=0.24; Best double
couple: M1.700000, 1017; NP1=282.00000; 881.00000;
-1.20.00000; NP2=16.00000; 870.00000;
-1.170.00000; Principal axes: T 1.7600, Plg7.0000;
AzM330.0000; N -0.2300, Plg68.0000; AzM78.0000; P
-1.5300, Plg21.0000; AzM238.0000;
GCMT 10 23:25:11.4, 0.1, 10.63S, 0.01, 164.79E, 0.01, h12km,
MW5.5/125, Moment Tensor Solution. s98, c171;
s125, c238; Duration: 193 Moment tensor: Scale 10^17
Nm; M1=0.22; M2=0.86; M3=0.63; M4=0.02;
M5=0.05; M6=1.53; M7=0.93; M8=0.05; Best double
couple: M1.903000, 1017; NP1=15.00000; 884.00000;
-1.154.00000; NP2=282.00000; 864.00000;
-1.7.00000; Principal axes: T 1.9270, Plg13.0000;
AzM145.0000; N -0.0500, Plg63.0000; AzM28.0000; P
-1.8780, Plg23.0000; AzM241.0000; nsta1 refers to
body waves, cutoff=40s. nsta2 refers to surface waves,
cutoff=50s. Triangular moment-rate function

ISC 10 23:25:12.7, 0.3, 10.74S, 0.04, 164.74E, 0.04, h35km, n578,
e157/519, mb5.2/205, MS5.2/162, 10C-14D, Santa Cruz
Islands region

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Lists various seismic stations and their recorded data.

2013 FEB

Main table of seismic events with columns: WRAB, Tennant Creek, 30.65 249d/P, P, 23 31 21.8 -2.3. Lists numerous seismic events with station codes and magnitudes.

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Table of seismic events with columns: TATO, Taipei, 55.11 317, PFAKE, LR, 23 34 50.0 +8.3. Lists seismic events from Taipei and other stations.









11d 1h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SFJD Kangerlussuaq, TULEG Thule, ILON igloolik, Nuna, FRB Frobeniser Bay, etc.

IDC 11 00:49:13.9, 1.8, 5.85S, 130.17E, h0km, mb3.1/2, mb1 3.6/4, mb1mx3.5/20, mbtmp3.4/4, ML3.7/2, Error ellipse: s-maj=123.7km s-min=27.9km az=73.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, WRA 0.2nm, 0.3s, ASAR Alice Springs, etc.

ISCJCB 11 01:02:03.2, 0.3, 4.92N, 0.04:95.81E, h0km, h29km, mb4.1/25, MS3.6/3, Error ellipse: s-maj=8.1km s-min=4.8km az=143.4

DJA 11 01:02:05.0, 0.8, 5.1N, 3.9E, h10km, M4.7/7, mb4.6/7, mb5.1/3, MLV4.8/6, Mw(mb)4.5/3

NEIC 11 01:02:09.8, 1.2, 5.08N, 96.16E, h70km, n11km, mb4.2/9, Error ellipse: s-maj=17.0km s-min=7.4km az=67.0

IDC 11 01:02:10.5, 6.3, 5.02N, 90.01E, h70km, mb3.6/12, mb1 3.8/13, mb1mx3.6/38, mbtmp3.9/13, ML4.5/1, MS3.3/2, Ms1 3.3/2, ms1mx3.0/40, Error ellipse: s-maj=35.2km s-min=13.7km az=48.0

ISC 11 01:02:04.7, 0.5, 4.80N, 0.05:95.80E, h0km, h29km, n73, e210.7/4, mb4.1/25, MS3.7/3, 3C-4D, Northern Sumatera

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LHMI Lhok Sumawe, LHMI Lhok Sumawe, KCSI Kotacane, Aceh, etc.

MDSI Maura Dua, PBKT Sadao Pong, PBKT Sadao Pong, KASI Kota Agung, etc.

CMMT Chiang Mai, CHTO Chiang Mai, CHTO Chiang Mai, PALK Palekale, etc.

SHL Shillong, KMI Kunming, SRBI Singaraja, GYA Gulyang, etc.

MPSI Mapaga, LPSA Lhasa, BKSI Bulukumba, etc.

XAN Xian, XAN Xian, XAN Xian, XAN Xian, etc.

XAN Xian, XAN Xian, XAN Xian, XAN Xian, etc.

XAN Xian, XAN Xian, XAN Xian, XAN Xian, etc.

XAN Xian, XAN Xian, XAN Xian, XAN Xian, etc.

XAN Xian, XAN Xian, XAN Xian, XAN Xian, etc.

XAN Xian, XAN Xian, XAN Xian, XAN Xian, etc.

XAN Xian, XAN Xian, XAN Xian, XAN Xian, etc.

XAN Xian, XAN Xian, XAN Xian, XAN Xian, etc.

XAN Xian, XAN Xian, XAN Xian, XAN Xian, etc.

XAN Xian, XAN Xian, XAN Xian, XAN Xian, etc.

XAN Xian, XAN Xian, XAN Xian, XAN Xian, etc.

XAN Xian, XAN Xian, XAN Xian, XAN Xian, etc.

XAN Xian, XAN Xian, XAN Xian, XAN Xian, etc.

2013 FEB

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ZALV Zalesovo Beam, ZAAI Zalesovo Array, STKA Stephens Creek, etc.

IDC 11 01:03:46.0, 1.3, 10.82S, 167.33E, h0km, mb3.9/7, mb1 3.4/9, mb1mx3.9/33, mbtmp4.0/9, ML4.5/2, MS3.5/4, Ms1 3.5/4, ms1mx3.2/25, Error ellipse: s-maj=39.1km s-min=23.3km az=133.0

ISCJCB 11 01:03:49.5, 0.9, 10.9S, 0.1:167.2E, 0.1, h33km, mb3.9/7, MS3.5/3, Error ellipse: s-maj=18.8km s-min=15.8km az=20.6

ISC 11 01:03:51.3, 1.0, 10.8S, 0.1:167.3E, 0.1, h35km, n14, e1508.9, mb3.8/7, MS3.4/3, Santa Cruz Islands

HNR Honiara, DZM Mont Dzumac, DZM Mont Dzumac, etc.

H1S3 WAKE ISLAND Hy 29.15 359 T, H1S1 WAKE ISLAND Hy 29.17 359 T, STKA Stephens Creek, etc.

STKA Stephens Creek, FITZ Fitzroy Crossi, PPT Papeete, etc.

KSR5 Korea Army, SONM Songoing Array, ILAR Eielson Array, etc.

NVAR Minna Array, MKAR Makanchi Array, etc.

IDC 11 01:06:33.4, 1.7, 10.77S, 165.65E, h0km, mb3.7/4, mb1 3.9/5, mb1mx3.6/31, mbtmp3.7/5, ML3.3/1, Error ellipse: s-maj=53.1km s-min=29.7km az=133.0, Santa Cruz Islands

DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

FITZ Fitzroy Crossi, ILAR Eielson Array, etc.

IDC 11 01:19:29.7, 3.2, 27.37N, 158.25E, h0km, mb3.5/4, mb1 3.5/4, mb1mx3.2/50, mbtmp3.5/4, Error ellipse: s-maj=93.7km s-min=29.0km az=143.0

ISCJCB 11 01:25:05.4, 2.7, 36N, 0.02:58.33E, 0.04, h10km, mb3.4/4, Error ellipse: s-maj=52km s-min=3.1km az=1.1

TEH 11 01:19:36.4, 27.39N, 58.30E, h20km, ML3.6, THR 11 01:19:37.8, 27.40N, 58.36E, h33km, ML3.4, DSN 11 01:19:42.7, 1.5, 26.94N, 58.33E, h35km, ML3.0/7, Error ellipse: s-maj=51.4km s-min=11.8km az=132.0

OMAN 11 01:19:43.0, 4.2, 27.09N, 58.09E, h30km, ml3.4/15, Error ellipse: s-maj=3.5km s-min=2.5km az=355.0

ISC 11 01:19:34.7, 1.0, 27.38N, 0.04:58.29E, 0.04, h10km, n56, e2949/71, mb3.5/4, Southern Iran

NIAN Nian, GENO Geno, BANOM Banah, etc.

SHME Shamm, CHMN Cheshme madani, NGRK Negar Kerman, etc.

CHBR Chabahar, CHBR Chabahar, MDH Madha, etc.

MDH Madha, MSFE Esma-Masafi, KRBR Kerman, etc.

KRBR Kerman, NGRK Negar Kerman, UMO Umm Al-Qunwain, etc.

UOSS UOSS, UOSS UOSS, ZAH Zahaed-tmp, etc.

ZHFS Zahedan, ZHFS Zahedan, HATD Hatta, Dubai, etc.

HATD Hatta, Dubai, UMO Umm Al-Qunwain, etc.

UOSS UOSS, UOSS UOSS, ZAH Zahaed-tmp, etc.

ZHFS Zahedan, ZHFS Zahedan, HATD Hatta, Dubai, etc.

HATD Hatta, Dubai, UMO Umm Al-Qunwain, etc.

UOSS UOSS, UOSS UOSS, ZAH Zahaed-tmp, etc.

ZHFS Zahedan, ZHFS Zahedan, HATD Hatta, Dubai, etc.

HATD Hatta, Dubai, UMO Umm Al-Qunwain, etc.

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Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ASHO Ashyiah, ASHO Ashyiah, NAZ Nazwa, Dubai, etc.

IDC 11 01:21:49.3, 1.6, 10.94S, 165.42E, h0km, mb3.8/4, mb1 4.0/5, mb1mx3.7/31, mbtmp3.8/5, ML3.8/1, Error ellipse: s-maj=52.1km s-min=28.6km az=127.0, Santa Cruz Islands

DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

ILAR Eielson Array, MKAR Makanchi Array, etc.

IDC 11 01:29:46.9, 1.6, 10.75S, 164.57E, h0km, mb3.7/5, mb1 3.9/7, mb1mx3.8/30, mbtmp3.8/7, ML4.2/2, MS3.4/5, Ms1 3.4/5, ms1mx3.0/32, Error ellipse: s-maj=47.2km s-min=26.7km az=119.0

ISCJCB 11 01:29:48.6, 1.0, 10.9S, 0.1:164.69E, 0.1, h24km, mb3.6/5, MS3.6/3, Error ellipse: s-maj=18.2km s-min=11.2km az=31.9

ISC 11 01:29:50.5, 1.1, 10.8S, 0.1:164.7E, 0.1, h24km, n16, e1547/9, mb3.5/5, MS3.6/3, Santa Cruz Islands

HNR Honiara, HNR Honiara, HNR Honiara, etc.

DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, etc.

DZM Mont Dzumac, CTA Charters Tower, H1S2 WAKE ISLAND Hy, etc.

H1S3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, STKA Stephens Creek, etc.

STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

ILAR Eielson Array, MKAR Makanchi Array, etc.

IDC 11 01:41:01.8, 38.70N, 43.25E, h22km, ML2.0/7, ISCJCB 11 01:41:03.0, 0.8, 39.70N, 0.03:43.25E, 0.05, h21km, 10km, Error ellipse: s-maj=6.3km s-min=4.4km az=27.1

DDA 11 01:41:03.1, 38.71N, 43.26E, h7km, km, ML2.5, ISC 11 01:41:03.2, 0.9, 38.74N, 0.03:43.24E, 0.03, h14km, gkm, n14, e092/25, Turkey

Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VANB Van, TVAN Van, etc.

Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR Honiara, HNR Honiara, etc.

Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, etc.

Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CTA Charters Tower, H1S2 WAKE ISLAND Hy, etc.

Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H1S3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, etc.

Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, etc.

Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ILAR Eielson Array, MKAR Makanchi Array, etc.

Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IDC 11 01:41:01.8, 38.70N, 43.25E, h22km, ML2.0/7, etc.

Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DDA 11 01:41:03.1, 38.71N, 43.26E, h7km, km, ML2.5, etc.

Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ISC 11 01:41:03.2, 0.9, 38.74N, 0.03:43.24E, 0.03, h14km, gkm, etc.

Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like VANB Van, TVAN Van, etc.

Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR Honiara, HNR Honiara, etc.

Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, etc.

Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CTA Charters Tower, H1S2 WAKE ISLAND Hy, etc.

Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H1S3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, etc.

Code, Station Name, Az, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ERVC, ERVCIS-VAN, VMUR, Van-Muradiye, etc.

IDC 11 01:48:09.3e1.5, 11.105x164.71E, h0km, mb4.0/8, mb1 4.2/10, mb1mx4.0/33, mbtmp4.1/10, ML4.0, MS3.4/4, Ms1 3.4/4, ms1mx3.0/32, Error ellipse: s-maj=42.7km, s-min=21.1km az=118.0

ISCJB 11 01:48:11.6, 0.9, 11.2S, 0.1x164.7E, 0.2, h29km, mb4.0/8, MS3.8/2, Error ellipse: s-maj=23.0km s-min=15.0km az=8.8

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR, Honiara, DZM, Mont Dzumac, etc.

IDC 11 01:48:38.5, 14.0, 6.17Sx129.00E, h374km, 184km, mb2.3/1, mb1 2.6/4, mb1mx2.5/34, mbtmp3.3/4, Error ellipse: s-maj=75.9km s-min=63.4km az=142.0, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ, Fitzroy Crossi, WRA, Warramunga Arr, etc.

IDC 11 02:03:45.9, 1.2, 10.71Sx166.27E, h0km, mb3.9/5, mb1 4.1/7, mb1mx3.8/39, mbtmp4.0/7, ML4.3/2, MS2.8/1, Ms1 2.8/1, ms1mx2.5/26, Error ellipse: s-maj=28.0km s-min=24.5km az=120.0

ISCJB 11 02:03:46.3, 1.0, 10.7S, 0.1x166.2E, 0.1, h10km, mb4.3/6, Error ellipse: s-maj=21.2km s-min=14.6km az=42.3

ISC 11 01:02:47.6, 1.2, 10.7S, 0.1x166.3E, 0.2, h10km, n14, o=883/8, mb3.9/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR, Honiara, DZM, Mont Dzumac, etc.

IDC 11 02:23:28.8, 10.0, 18.06Sx175.57W, h0km, mb3.6/3, mb1 3.9/3, mb1mx3.6/26, mbtmp3.6/3, Error ellipse: s-maj=46.3km s-min=35.8km az=142.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, Warramunga Arr, ASAR, Alice Springs, etc.

NORS 11 02:36:41.7, 0.0, 41.35N, 45.50E, h25km, MPVA3.3, MOS 11 02:36:41.6, 0.0, 41.1N, 45.49E, h20km, MPVA3.3

DDA 11 02:36:43.0, 41.34N, 45.37E, h5km, 2km, ML2.5, TIF 11 02:36:43.9, 41.39N, 45.33E, h23km, 4km, DRS 11 02:36:42.4, 1.3, 41.35N, 44.88E, h39km

ISC 11 02:36:42.1, 3.4, 41.39N, 0.03x45.38E, 0.03, h7km, n11km, n26, o=98/46, Eastern Caucasus

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SEAG, Tbilisi Sea, TBLG, Delisi, etc.

IDC 11 03:11:02.1, 1.7, 11.00Sx165.36E, h0km, mb3.5/3, mb1 3.9/4, mb1mx3.6/39, mbtmp3.7/4, ML4.0/1, MS2.9/1, Ms1 2.9/1, ms1mx2.5/28, Error ellipse: s-maj=52.7km s-min=30.7km az=128.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR, Honiara, DZM, Mont Dzumac, etc.

NEIC 11 03:16:52.4, 0.0, 16.93N, 99.69W, h12km, MD4.0(MEX), After MEX, MEX 11 03:16:49.2, 0.6, 16.75N, 99.63W, h7km, 7km, MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ACP2, Acapulco, CAIG, El Cayaco, etc.

IDC 11 03:19:35.6, 1.5, 10.69Sx165.76E, h0km, mb3.6/4, mb1 3.9/5, mb1mx3.6/38, mbtmp3.7/5, ML4.1/1, MS3.9/1, Ms1 3.9/1, ms1mx2.8/24, Error ellipse: s-maj=50.9km s-min=29.0km az=134.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM, Mont Dzumac, H11S2, WAKE ISLAND Hy, etc.

ARCES ARCES Array B 1159.346 PKP PKiKP 03 38 19.4 -0.6

SOME 11 03:21:42.2, 43.38N, 83.90E, h10km, NNC 11 03:21:47.5, 2.2, 43.66N, 83.67E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=17.9km s-min=7.8km az=132.0

ISC 11 03:21:47.3, 2.2, 43.64N, 0.10x83.71E, 0.10, h10km, n14, o=155/17, 10C-7D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DJR, Jarkent, PDKG, Podgornoye, etc.

IDC 11 03:22:51.8, 1.2, 10.91Sx165.56E, h0km, mb3.9/7, mb1 4.2/9, mb1mx3.9/41, mbtmp4.1/9, ML4.5/2, MS3.1/1, Ms1 3.1/1, ms1mx2.6/28, Error ellipse: s-maj=34.0km s-min=21.1km az=136.0

ISCJB 11 03:22:54.4, 0.9, 11.09S, 0.07x165.55E, 0.09, h30km, mb3.8/6, Error ellipse: s-maj=13.9km s-min=8.5km az=144.9

ISC 11 03:22:56.2, 1.0, 10.99S, 0.09x165.6E, 0.1, h30km, n15, o=895/11, mb3.9/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR, Honiara, DZM, Mont Dzumac, etc.

IDC 11 03:26:36.8, 1.8, 10.98Sx165.34E, h0km, mb3.6/3, mb1 4.0/4, mb1mx3.6/40, mbtmp3.8/4, ML3.9/1, Error ellipse: s-maj=53.8km s-min=33.2km az=127.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM, Mont Dzumac, H11S2, WAKE ISLAND Hy, etc.

ISCJB 11 03:29:05.7, 0.3, 1.45N, 0.05x99.69E, 0.05, h192km, 4km, mb3.7/20, Error ellipse: s-maj=10.8km s-min=5.3km az=138.1

DJA 11 03:29:06.5, 0.3, 1.3N, 3.10x10.0E, h185km, 4km, M4.6/18, mb5.5/3, mb4.8/5, MLV4.4/18, Mw(m)B4.9/3, IDC 11 03:29:08.2, 1.9, 1.50N, 99.75E, h194km, 16km, mb3.5/8, mb3.3/19, mb1mx3.5/46, mbtmp4.1/19, Error ellipse: s-maj=23.4km s-min=8.8km az=53.0



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GTA, KNGR, and various local and regional stations.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BRVK, AAK, KSH, and various regional and national stations.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NB20, NB200, and various international and regional stations.











11d 7h

Table with columns: WRA, ASAR, ILAR, Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other parameters.

SOME 11 06:59:23.6, 41.831N, 77.27E, h15km

NMC 11 06:59:23.9, 0.5, 41.87N, 77.26E, h0km, mb2.5, mpv2.5

Error ellipse: s-maj=3.5km s-min=1.6km az=174.0

KRNET 11 06:59:23.4, 0.1, 41.831N, 77.26E, h20km, mb2.2, 21C-9D,

Kyrgyzstan-Xinjiang border region

Main table listing station data for the 11d 7h period, including columns for Code, Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other parameters.

2013 FEB

Main table listing station data for the 2013 FEB period, including columns for Code, Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other parameters.

932

Table listing station data for the 932 period, including columns for Code, Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other parameters.

SOME 11 07:06:54.1, 42.58N, 79.63E, h5km

NMC 11 07:06:54.3, 1.1, 42.60N, 79.65E, h0km, mb3.0, mpv2.9

Error ellipse: s-maj=6.9km s-min=4.3km az=137.0

KRNET 11 07:06:53.7, 0.1, 42.56N, 79.67E, h8km, mb2.7, 20C-5D,

Latvian-Kul region

Main table listing station data for the 932 period, including columns for Code, Station Name, Frequency, Power, Azimuth, Elevation, SNR, and other parameters.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KAPS, BOOM, DGS, etc.

SOME 11 07:10:31.9, 42:55'N; 79:67'E, h20km, NNC 11 07:10:37.5, 41:46'N; 78:20'E, h0km, mb3.2, mpv2.9, Error ellipse: s-maj=30.6km s-min=29.4km az=123.0, Suspected Mining explosion.

ISC 11 07:10:28.5, 42:45'N; 10:79:8'E, h0km, n11, c090/14, 3C-1D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like UZB, SATY, DJR, etc.

ISC 11 07:19:43.9, 1.1, 10:91'S; 165:87'E, h0km, mb3.9/8, mb1.4, 1/10, mb1mx3.9/39, mbtmp4.0/10, ML4.5/2, MS3.3/4, Ms1.3/4, ms1mx3.0/33, Error ellipse: s-maj=35.5km s-min=23.1km az=127.0

ISCJBJ 11 07:19:44.3, 0.5, 10:32'S; 0:07:165:7E, 0.1, h10km, MS3.4/2, Error ellipse: s-maj=15.4km s-min=9.3km az=168.6

NEIC 11 07:19:46.0, 0.5, 10:82'S; 165:64'E, h10km, mb4.8/4, Error ellipse: s-maj=13.7km s-min=9.1km az=80.0

ISC 11 07:19:46.1, 0.6, 10:85'S; 0:10:165:65'E, 0.08, h10km, n34, c1564/31, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like HNR, DZM, PINNC, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like ILAR, ILB, MKR, etc.

WEL 11 07:20:58.1, 0.5, 44:53'S; 3\*17:0E, h5km, ML3.6/4, South Island

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like LBZ, JCZ, FOZ, etc.

IDC 11 07:32:23.6, 5.7, 10:72'S; 166:47'E, h0km, mb3.4/3, mb1.3/73, mb1mx3.4/30, mbtmp3.4/3, Error ellipse: s-maj=295.2km s-min=34.3km az=139.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like WRA, ASAR, ILAR, etc.

ISCJBJ 11 07:33:10.0, 1.1, 23:94'S; 0:09:67:5W, 0.1, h215km, 13km, mb3.2/2, Error ellipse: s-maj=22.2km s-min=14.1km az=10.9

IDC 11 07:33:10.3, 2.1, 23:87'S; 67:27'W, h192km, 18km, mb3.2/2, mb1.3/6/4, mb1mx3.3/26, mbtmp4.0/4, Error ellipse: s-maj=33.1km s-min=25.9km az=161.0

GUC 11 07:33:11.0, 0.5, 23:78'S; 67:85'W, h235km, 11km, ML4.3

ISC 11 07:33:11.1, 6.2, 24:0'S; 0:16:47:W, 0.2, h203km, 15km, n15, c0567/23, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like LVC, PB06, PB09, etc.

ISCJBJ 11 07:51:14.9, 0.1, 10:89'S; 165:88'E, h0km, mb4.3/13, mb1.4, 5/15, mb1mx4.2/46, mbtmp4.3/15, ML4.8/2, MS3.7/16, Ms1.3/8/16, ms1mx3.5/43, Error ellipse: s-maj=23.0km s-min=17.2km az=133.0

ISCJBJ 11 07:51:15.3, 0.3, 11:00'S; 0:05:165:81'E, 0:05, h10km, mb4.7/39, MS3.9/17, Error ellipse: s-maj=8.2km s-min=5.7km az=142.9

BJJ 11 07:51:16.2, 10:47'S; 166:00'E, h6km, mb4.7/22, mb5.1/11, Ms4.8/5, Ms7.4/57

NEIC 11 07:51:18.2, 2.9, 10:89'S; 165:83'E, h20km, 20km, mb5.0/22, Error ellipse: s-maj=11.3km s-min=7.3km az=214.0

ISC 11 07:51:17.1, 0.5, 10:95'S; 0:08:165:87'E, 0:07, h10km, n76, c130/73, mb4.9/39, MS3.8/17, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like HNR, MARC, DZM, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like DZM, PINNC, MSVF, etc.

H11S2 WAKE ISLAND Hy 29.27 2 T T 08 27 44.2

H11S3 WAKE ISLAND Hy 29.27 2 T T 08 27 44.8

H11S1 WAKE ISLAND Hy 29.28 2 T T 08 27 44.2

BKZ Black Stump Fm 29.65 163 eP P 07 57 22.7 -0.3

H11N1 WAKE ISLAND Hy 30.49 2 T T 08 29 14.2

H11N3 WAKE ISLAND Hy 30.49 2 T T 08 29 14.1

H11N2 WAKE ISLAND Hy 30.50 2 T T 08 29 15.6

STKA Stephens Creek 30.59 223 eP P 07 57 31.9 +0.5

STKA Stephens Creek 30.59 223 eP P 07 57 31.3 0.0

STKA Birch Farm 31.00 165 eP P 07 57 33.5 -1.3

SNZO South Karori 31.23 167 eP P 07 57 35.9 -0.8

THZ Tophouse 31.31 170 eP P 07 57 36.6 -0.9

WB2 Warramunga Arr 31.61 250 eP P 07 57 39.7 -0.8

WR1 Warramunga Arr 31.63 250 eP P 07 57 39.8 -0.8

WR1 Warramunga Arr 31.63 250 ePcP P 08 00 32.5 -0.4

WRA Warramunga Arr 31.63 250 eP P 07 57 39.8 -0.8

WRA Warramunga Arr 31.63 250 ePcP P 08 00 32.5 -0.4

WRA Warramunga Arr 31.63 250 eP P 08 10 20.0

LTZ Lake Taylor 32.20 171 eP P 07 57 45.5 +0.1

TOO Toolangi 32.22 211 eP P 07 57 44.5 -1.1

FOZ Fox Glacier 32.64 175 eP P 07 57 50.7 +1.5

OXZ Oxford 32.70 172 eP P 07 57 49.8 +0.1

ASO1 Alice Springs 32.90 243 eP P 07 57 50.3 -1.5

AS31 Alice Springs 32.94 243 eP P 07 57 51.2 -0.9

ASAR Alice Springs 32.94 243 P P 07 57 50.7 -1.4

ASAR Alice Springs 32.94 243 ePcP P 08 00 36.0 -0.4

ASAR Alice Springs 32.94 243 eP P 08 10 23.0

RPZ Rata Peaks 32.95 173 eP P 07 57 52.1 +0.2

RPZ Rata Peaks 32.95 173 P P 07 57 51.8 -0.1

RPZ Rata Peaks 32.95 173 eP P 08 10 14.4

MOZ MacQueen's Vall 33.16 171 eP P 07 57 54.2 +0.5

LBZ Lake Benmore 33.52 174 eP P 07 57 57.6 +0.7

RAR Rarotonga 34.48 112 LR LR 08 10 15.1

BBOO Buclekoo 34.98 227 eP P 07 58 09.5 -0.2

FITZ Fitzroy Crossi 39.52 255 eP P 07 58 47.7 -0.7

FITZ Fitzroy Crossi 39.52 255 eP P 07 58 47.9 -0.5

FITZ Fitzroy Crossi 39.52 255 LR LR 08 13 56.4

PPT Papeete 43.60 104 LR LR 08 13 15.0

PPT2 Papeete2 43.60 104 eLR LR 08 11 37.3

MBWA Marble Bar 45.34 251 eP P 07 59 36.1 +0.3

JNU Nakatsue 55.07 324 LR LR 08 20 55.6

ASAJ Asahiwaka 58.74 341 LR LR 08 22 07.0

NJ2 Nanjing 62.03 315 eP Pmax 08 01 36.8 -1.1

GYA Guiyang 68.46 304 P PP 08 02 21.4 +1.4

GYA Guiyang 68.46 304 P PP 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SKS SS SKIKP SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

GYA Guiyang 68.46 304 SS SS 08 12 16.6 +2.2

GYA Guiyang 68.46 304 SS SS 08 15 47.7 +1.3

GYA Guiyang 68.46 304 pmax pmax 08 02 21.4 +1.4

GYA Guiyang 68.46 304 pmax pmax 08 04 54.2 +2.9

GYA Guiyang 68.46 304 S SKS SS SKIKP SS 08 11 22.8 +0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WMQ Urumqi, WMQ comp-Z,24nm,0.7s, WMQ comp-Z,290nm,5.3s, etc.

DDA 11 07:59:37.6.36'14N:36'14E, h8km,2km,ML3.5
ISK 11 07:59:39.4.36'20N:36'16E, h9km,ML3.4/18
GII 11 07:59:41.2.0.0.36'18N:35'94E, h11km,MD2.8/2
ISC 11 07:59:40.5.1.0.36'24N:0'03.36'10E:0.02, h10km,8km, n53, c#80/70, Jordan-Syria region

Main table of station data for the 11d 8h period, including stations like TAHT Tahtakopru-Hat, KRTS Karatas, YURE YUREGIR, etc.

ISC 11 08:02:00.9.1.8.9'56S:119'77E, h0km, mb3.3/1, mb1.3/6.5, mb1mx3.4/4, mbmtmp3.5/5, ML3.4/4, Error ellipse: s-maj=77.3km s-min=23.5km az=47.0, Sumba region

Table of station data for the Sumba region, including stations like BATI Baunata, BATI 11nm,0.3s, FITZ Fitzroy Crossi, etc.

MEX 11 08:11:01.2:0.5, 14'01N:91'55W, h101km, 16km, MD3.9, Guatemala

Table of station data for Guatemala, including stations like THIG, THIG, PCIG, PCIG.

ISC 11 08:13:38.7.1.5.11'01S:165'10E, h0km, mb3.4/4, mb1.3/8.6, mb1mx3.5/4.3, mbmtmp3.6/6, ML3.7/2, MS3.2/3, Ms1.3/2.3, ms1mx2.9/1.7, Error ellipse: s-maj=39.4km s-min=28.3km az=124.0

ISCJB 11 08:13:41.0.1.3.11'1S:0.1:165'0E:0.2, h31km, mb3.4/4, MS3.2/2, Error ellipse: s-maj=24.9km s-min=16.9km az=147.0

ISC 11 08:13:43.4:1.3.11'01S:0.1:165'0E:0.2, h31km, n14, c#194/6, mb3.4/4, Santa Cruz Islands region

Table of station data for the Santa Cruz Islands region, including stations like HNR Honiara, DZM Mont Dzumac, H11S2 WAKE ISLAND Hy 29.38, etc.

ISC 11 08:15:52.2:3.8.11'67S:165'51E, h0km, mb3.5/4, mb1.3/8.4, mb1mx3.5/4.2, mbmtmp3.5/4, Error ellipse: s-maj=160.8km s-min=34.0km az=137.0, Santa Cruz Islands

Table of station data for the Santa Cruz Islands, including stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

ISC 11 08:21:03.5:1.7.11'52S:165'21E, h0km, mb3.7/3, mb1.4/0.4, mb1mx3.6/3.7, mbmtmp3.8/4, ML3.6/1, Error ellipse: s-maj=51.5km s-min=31.1km az=129.0, Santa Cruz Islands

Table of station data for the Santa Cruz Islands, including stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISCJB 11 08:27:03.0:0.5.38'82N:122'82W:0.04, h4km, 2km, Error ellipse: s-maj=5.8km s-min=3.7km az=44.1

ISC 11 08:27:03.0:3.3.38'87N:123'00W, h0km, mb1.3/6.4, mb1mx3.3/4.1, mbmtmp3.2/4, ML3.0/4, Error ellipse: s-maj=41.8km s-min=15.2km az=41.0

NEIC 11 08:27:03.0:0.0.38'82N:122'82W, h3km, MD2.9(NECDC), After AICDC

Main table of station data for the NEIC region, including stations like GDXM Geysers, GDXM Hopland Field, HOPS Hopland Field, etc.

ISC 11 08:27:03.4:0.9.38'81N:122'81W:0.03, h3km, 5km, n38, c#202/54, Northern California

Table of station data for Northern California, including stations like GDXM Geysers, GDXM Hopland Field, HOPS Hopland Field, etc.

KRNET 11 08:32:32.8:0.1.42'61N:79'67E, h17km, mb3.2

ISCJB 11 08:32:33.9:0.7.42'60N:0'04:79'76E:0.04, h10km, Error ellipse: s-maj=6.3km s-min=3.0km az=139.9

SOME 11 08:32:33.3.42'60N:79'67E, h15km

NNC 11 08:32:33.4:0.7.42'64N:79'68E, h0km, mb3.6, mpv3.4, Error ellipse: s-maj=4.7km s-min=2.7km az=134.0

ISC 11 08:32:32.9:1.2.42'64N:0'05:79'76E:0.04, h10km, n63, c#158/105, 17C-27, Lake Issyk-Kul region

Table of station data for the Lake Issyk-Kul region, including stations like PD31, PDAR, LTX, TXAR.

Table of station data for the Podgornoye region, including stations like PDGK Podgornoye, PDGK Podgornoye, PDGK Podgornoye, etc.

Table of station data for the Kuram region, including stations like KURS Kuram, KURS Kuram, KURS Kuram, etc.

Table of station data for the Medeo region, including stations like MDOK Medeo, MDOK Medeo, MDOK Medeo, etc.

Table of station data for the Karatobe region, including stations like KTBS Karatobe, KTBS Karatobe, KTBS Karatobe, etc.

Table of station data for the Kapsar region, including stations like KAPS Kapsar, KAPS Kapsar, KAPS Kapsar, etc.

Table with columns: KST, KasteK, 2.82 280 eP, Pb, 08 33 23.4 0.0, etc. Lists various astronomical observations with station names and coordinates.

DDA 11 08:34:07.9, 37.29N, 37.14E, h7km, 4km, ML2.9
ISCJB 11 08:34:08.0, 0.5, 37.26N, 0.03, 37.11E, 0.03, h6km, 4km,
Error ellipse: s-maj=5.3km s-min=3.5km az=23.7

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Lists station data for various locations like Gaziantep, Kahramanmaraş, etc.

DDA 11 08:54:52.0, 1.3, 10.87S, 165.49E, h0km, mb3.7/4,
mb1 4.0/5, mb1mx3.7/33, mbtmp3.8/5, ML3.8/1, MS4.4/1,
Ms1 4.4/1, ms1mx2.8/34, Error ellipse: s-maj=51.5km
s-min=26.2km az=131.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Lists station data for Santa Cruz Islands region.

0.5nm, 0.6s, baz=238, slow=5.2, SNR=5.0
YKA Yellowknife Arr 94.94 27 P P 09 08 15.7 -0.3

ISCJB 11 08:54:54.6, 0.4, 34.05N, 0.03, 25.85E, 0.06, h26km,
mb3 6/9, Error ellipse: s-maj=7.0km s-min=4.3km az=12.8
HLW 11 08:54:57.0, 34.19N, 25.91E, h33km, 26km, ML3.2,
IDC 11 08:55:01.2, 2.5, 34.31N, 25.72E, h67km, 17km, mb3.4/9,
mb1 3.4/11, mb1mx3.3/47, mbtmp3.6/11, MS2.5/1,
Ms1 2.5/1, ms1mx2.2/24, Error ellipse: s-maj=24.9km
s-min=18.4km az=163.0

Main table for the 2013 FEB section, listing astronomical observations with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc.

ISCJB 11 09:03:09.7, 1.0, 14.27S, 0.08, 167.1E, 0.2, h150km,
mb3.8/6, Error ellipse: s-maj=23.1km s-min=11.0km
az=2.8

IDC 11 09:03:09.4, 6.2, 14.18S, 167.15E, h134km, 59km, mb3.6/7,
mb1 3.8/8, mb1mx3.5/35, mbtmp4.0/8, Error ellipse:
s-maj=50.0km s-min=24.3km az=161.0

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Lists station data for Vanuatu Islands region.

IDC 11 09:05:05.7, 1.7, 11.32S, 164.92E, h0km, mb3.6/5,
mb1 3.8/6, mb1mx3.6/36, mbtmp3.6/6, ML3.6/1, Error
ellipse: s-maj=50.3km s-min=30.0km az=115.0

ISCJB 11 09:05:09.0, 1.1, 11.55S, 0.1, 164.9E, 0.2, h34km, mb3.5/5,
Error ellipse: s-maj=31.6km s-min=19.5km az=175.9

ISC 11 09:05:10.8, 1.2, 11.45S, 0.1, 164.9E, 0.3, h34km, n6,
e047/6, mb3.5/5, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Lists station data for Santa Cruz Islands region.

NNC 11 09:10:01.0, 8.0, 6.42, 77N, 76.48E, h0km, 3km, mb2.5,
mp2.5, Error ellipse: s-maj=5.4km s-min=1.8km az=163.0

SOME 11 09:10:02.1, 42.73N, 76.52E, h10km
KRNET 11 09:10:02.0, 1, 42.76N, 76.51E, h18km, mb2.3, 22C-21D,
Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, etc. Lists station data for Lake Issyk-Kul region.

Main table for the 11d 9h section, listing astronomical observations with columns: IZV, KasteK, 0.29 15j eP, Sg, 09 10 12.7 -0.2, etc.





Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like BKZ Black Stump Fm, WAKE Wake Island, THZ Tophae, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like TTSI Tana Toraja, MEEK Meekatharra, POHA Pohakuloa, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like VLA, NJ2 Nanjing, USA0B Ussuriysk Arra, etc.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Nikolayevsk, Sakolnakorn, West Island, Enshi, Prapat, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Chiang Mai, Baotou, Chengdu, Lanzhou, Kodiak Island, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like Marconi Confer, Gaito Peak, McKinley, Red Dog Mine, etc.

MWC	Mount Wilson	84.06	54	eP	P	09 52 52.1 +1.0
MWC	Mount Wilson				pmax	
K04D	Chiloon, OR	84.06	45	P	P	09 52 51.0 +0.2
H04D	Lebanon	84.08	43	P	P	09 52 51.4 +0.7
BEKR	Beckworth	84.10	48	eP	P	09 52 51.9 +0.7
ISA	Isabella, Lake	84.17	52	eP	P	09 52 51.8 +0.3
ISA	Isabella, Lake	84.17	52	eP	pmax	09 52 51.8 +0.3
ISA	Isabella, Lake	84.17	52	P	P	09 52 52.0 +0.5
MOY	Monday	84.20	325	eP	pmax	09 52 52.2 +0.9
EDW2	Edwards Air Fo	84.31	53	P	P	09 52 52.7 +0.5
MDPB	Devils Postpil	84.32	50	eP	P	09 52 53.3 +0.8
WAKR	Walker	84.33	49	eP	P	09 52 52.9 +0.5
BFSC	Mount Baldy Ra	84.38	54	P	P	09 52 51.8 -0.9
PNTR	Pine Nut	84.40	49	eP	P	09 52 53.1 +0.3
109C	Camp Elliot, M	84.43	55	P	P	09 52 53.2 +0.4
CPE	Camp Elliot	84.43	55	eP	P	09 52 53.0 +0.3
VCNR	Virginia City	84.43	48	eP	P	09 52 53.8 +0.9
NLWA	Neilton Lookou	84.43	40	eP	P	09 52 53.2 +0.7
NLWA	Neilton Lookou				LR	
F04D	Rainier, OR	84.48	41	P	P	09 52 53.2 +0.5
MLAC	Mammoth, Mammo	84.50	50	P	P	09 52 54.3 +0.9
H04A	Detroit Lake	84.50	43	eP	P	09 52 51.5 -1.4
MURC	Murrieta	84.56	54	P	P	09 52 53.8 +0.4
YERR	Yerington	84.63	49	eP	P	09 52 54.3 +0.4
J05D	Fort Rock, OR	84.65	44	P	P	09 52 54.7 +0.9
CWC	Cottonwood Cre	84.71	51	P	P	09 52 55.2 +0.9
BAR	Barrett	84.72	55	eP	P	09 52 54.3 0.0
LRMC	Laurel Mtn Rad	84.73	52	P	P	09 52 54.6 +0.2
PAHR	Pah Range	84.76	48	eP	P	09 52 54.6 +0.2
TIN	Tinemaha, Big	84.78	51	P	P	09 52 55.2 +0.6
MOD	Modoc Plateau	84.82	46	eP	P	09 52 54.9 +0.2
WHY	Whitehorse	84.88	25	eP	P	09 52 55.1 +0.6
FYU	Fort Yukon	84.88	17	eP	P	09 52 54.6 +0.4
E04D	Cinebar	84.94	41	P	P	09 52 56.3 +1.3
I05D	Terrebonne, OR	84.95	43	P	P	09 52 55.8 +0.6
BBRO	Big Bear Solar	84.97	54	P	P	09 52 55.9 +0.1
D03D	Eldon	84.97	40	P	P	09 52 55.7 +0.6
EGAK	Eagle	84.97	20	eP	P	09 52 55.4 +0.7
EGAK	Eagle				LR	
MONP2	Monument Peak	84.98	55	P	P	09 52 56.3 +0.5
PINE	Pine Mountain	85.03	44	eP	P	09 52 56.2 +0.4
DAC	Darwin (Calif)	85.04	52	eP	P	09 52 56.5 +0.5
DAC	Darwin (Calif)	85.04	52	eP	pmax	09 52 56.7 +0.7
D04E	Lakebay	85.04	40	P	P	09 52 56.2 +0.7
RYN	Ryan	85.05	49	eP	P	09 52 56.4 +0.4
MPMC	Manual Prospec	85.05	52	P	P	09 52 56.6 +0.6
RRX	Edison Barstow	85.09	53	P	P	09 52 56.6 +0.5
DAWY	Dawson	85.14	21	eP	P	09 52 56.6 +0.9
NV01	Mina Array Sit	85.15	50	eP	P	09 52 56.3 -0.2
NVAR	Mina Array Bea	85.15	50	P	P	09 52 57.0 +0.4
NVAR	Mina Array Bea				LR	10 22 48.9
PFO	Pinyon Flats O	85.15	55	eP	P	09 52 57.3 +0.8
PFO	Pinyon Flats O				LR	
PFO	Pinyon Flats O	85.15	55	eP	pmax	09 52 57.7 +1.2
PFO	Pinyon Flats O	85.15	55	P	P	09 52 56.3 -0.2
XPFO	Pion Mt	85.15	55	eP	P	09 52 57.2 +0.6
IKP	In-Ko-Pah, Jac	85.16	56	P	P	09 52 56.6 0.0
PGC	Sidney	85.17	39	eP	P	09 52 57.1 +1.0
NV11	Mina Array Sit	85.26	50	P	P	09 52 57.0 0.0
G05D	Wamic, OR	85.28	42	P	P	09 52 57.4 +0.6
GSC	Goldstone, Bar	85.36	53	eP	P	09 52 57.9 +0.4
GSC	Goldstone, Bar	85.36	53	eP	pmax	09 52 58.2 +0.7
GSC	Goldstone, Bar	85.36	53	P	P	09 52 57.7 +0.2
F05D	White Salmon	85.41	42	P	P	09 52 58.0 +0.6
GRAC	Grapevine Rang	85.42	51	P	P	09 52 58.5 +0.8
SWSC	Sam W. Stewart	85.49	55	P	P	09 52 58.7 +0.6
KVN	Kaiserville	85.50	49	eP	P	09 52 57.9 -0.3
KVN	Kaiserville	85.50	49	eP	pmax	09 52 58.5 +0.3
KVN	Kaiserville				pmax	
LON	Longmire	85.50	41	eP	P	09 52 58.0 +0.1
LON	Longmire	85.50	41	eP	pmax	09 52 58.6 +0.7
LON	Longmire				pmax	
D05A	Enunclaw	85.54	40	eP	P	09 52 58.7 +0.7
HEC	Hector, Ludlow	85.59	53	P	P	09 52 59.1 +0.4
BELC	Belle Mtn. Jos	85.63	54	P	P	09 52 59.4 +0.4
FURC	Furnace Creek,	85.66	52	P	P	09 52 59.2 +0.4
A04D	Lummi Island	85.66	39	P	P	09 52 59.2 +0.8
ODAN	Odare	85.74	298	eP	P	09 53 00.0 +0.3
KNGR	Kungurtug, Tuv	85.76	323	d/P	P	09 52 58.8 -0.4
DLBC	Dease Lake	85.86	28	eP	P	09 53 00.2 +0.8
B05A	Bryant	85.87	39	P	P	09 53 00.5 +0.9
SHOC	Shoshone, Teco	85.95	52	P	P	09 53 00.6 +0.3
BC3	Big Chuckawall	85.97	55	P	P	09 53 00.6 0.0
TUQ	Turquoise Moun	86.09	53	P	P	09 53 01.3 +0.1
I07A	Izee	86.10	44	eP	P	09 53 01.2 +0.2
GMRC	Granite Mounta	86.12	54	P	P	09 53 01.6 +0.2
WVOR	Wild Horse Val	86.17	46	eP	P	09 53 01.5 +0.2
WVOR	Wild Horse Val	86.17	46	eP	pmax	09 53 02.3 +0.9
TPNV	Topopah Spring	86.27	51	eP	P	09 53 01.9 -0.1
TPNV	Topopah Spring	86.27	51	eP	pmax	09 53 02.8 +0.7
TPNV	Topopah Spring	86.27	51	P	P	09 53 02.6 +0.6
TIXI	Tiksi	86.29	349	d/eP	pmax	09 53 00.8 -0.3
TIXI	Tiksi				MLR	
TIXI	Tiksi				MLR	
GLA	Glamis	86.31	55	eP	P	09 53 02.6 +0.4
GLA	Glamis	86.31	55	eP	pmax	09 53 04.0 +1.8
GLA	Glamis				pmax	
GLA	Glamis	86.31	55	P	P	09 53 03.3 +1.1
B06A	Marblemount	86.34	39	eP	P	09 53 02.2 +0.3
IRM	Iron Mountain	86.35	54	P	P	09 53 03.0 +0.7
F07A	Phiny Hill Vi	86.42	42	eP	P	09 53 03.1 +0.7
C06D	Leavenworth	86.50	40	P	P	09 53 03.2 +0.5
J08A	Circle Bar Ran	86.57	45	eP	P	09 53 03.3 -0.1
Y12C	Blythe	86.74	55	eP	P	09 53 04.7 +0.5
Y12C	Blythe	86.74	55	P	P	09 53 05.2 +0.9
HAWA	Hanford	86.85	42	eP	P	09 53 04.7 +0.2
LLLB	Lillooet	86.85	37	eP	P	09 53 05.2 +0.8
G08A	Colt Pilot Rack	86.86	43	eP	P	09 53 05.4 +0.7
NEE2	Needles Airpor	86.94	54	P	P	09 53 05.9 +0.7
JIRN	Jiri	86.97	299	eP	P	09 53 06.1 +0.1
SHPR	Sheep Range	86.98	52	eP	P	09 53 06.7 +1.2
113A	Mohav Valley,	87.10	56	eP	P	09 53 07.4 +1.4
R11A	Troy Canyon, C	87.17	50	eP	P	09 53 07.0 +0.5
R11A	Troy Canyon, C	87.17	50	P	P	09 53 06.7 +0.2
E08A	Dider Farm, El	87.19	42	eP	P	09 53 07.0 +0.9
PDMC1	Parker Dam, Lak	87.19	54	P	P	09 53 07.3 +0.9
GUN	Gumba	87.30	299	eP	P	09 53 07.5 0.0
EPYK	Eagle Plains	87.41	20	eP	P	09 53 06.6 -0.2
EPYK	Eagle Plains	87.41	20	P	P	09 53 06.9 +0.1
D08A	Wollman Farm,	87.46	41	eP	P	09 53 08.2 +0.7
W13A	Hualai Mount	87.60	54	eP	P	09 53 09.6 +0.9
PKI	Pulchoki	87.62	299	eP	P	09 53 08.5 -0.6
B08A	Colville Reser	87.63	40	eP	P	09 53 08.6 +0.3
PKIN	Pulchoki	87.63	299	eP	P	09 53 08.6 -0.4
PALK	Pallekele	87.66	278	LR	LR	10 35 27.3
214A	Organ Pipe Nat	87.67	57	P	P	09 53 10.1 +1.2
E09A	Wood Farm, Sta	87.72	42	eP	P	09 53 09.8 +0.7
BMO	Blue Mountains	87.84	44	eP	P	09 53 09.8 +0.4
BMO	Blue Mountains	87.84	44	eP	pmax	09 53 09.8 +0.4
DMN	Daman	87.89	298	eP	P	09 53 10.0 -0.3
Y14A	Wickenburg	88.01	55	eP	P	09 53 11.3 +0.9
ELK	Elko	88.09	48	eP	P	09 53 11.7 +0.8
ELK	Elko	88.09	48	eP	pmax	09 53 11.7 +0.8
C09A	Chrisman Ranch	88.12	41	eP	P	09 53 11.5 +0.9
F10A	Beach Ranch,	88.23	43	eP	P	09 53 11.7 +0.4
PSUT	Pin Spring	88.53	50	eP	P	09 53 14.3 +1.3
HSIG	Highway 28	88.53	60	eP	P	09 53 12.2 -0.8
LCMT	Little Creek M	88.60	52	eP	P	09 53 14.8 +1.5
CCUT	Cedar City	88.65	51	eP	P	09 53 15.2 +1.6
SZCU	Shurtz Canyon	88.87	51	eP	P	09 53 16.4 +1.7
KNB	Kanab	88.93	52	eP	P	09 53 15.5 +0.6
KNB	Kanab	88.93	52	eP	pmax	09 53 15.5 +0.6
NEW	Newport	89.00	40	eP	P	09 53 15.1 +0.4
NEW	Newport	89.00	40	eP	LR	
NEW	Newport	89.00	40	eP	pmax	09 53 15.1 +0.4
NEW	Newport	89.00	40	P	P	09 53 14.7 0.0
U15A	North Rim	89.19	53	eP	P	09 53 17.4 +1.1
DANN	Dansing	89.22	299	eP	P	09 53 15.6 -1.0
KOLN	Kolona	89.23	298	eP	P	09 53 15.6 -0.9
X16A	Lo Mia Camp, P	89.38	55	eP	P	09 53 18.5 +1.4
TUC	Tucson	89.43	57	eP	P	09 53 18.7 +1.5
TUC	Tucson	89.43	57	eP	pmax	09 53 18.7 +1.5
TUC	Tucson	89.43	57	P	P	09 53 18.1 +0.9
HLID	Hailey	89.46	45	eP	P	09 53 18.0 +0.8
HLID	Hailey				LR	
HLID	Hailey	89.46	45	P	P	09 53 16.9 -0.3
INK	Inuvik	89.52	19	eP	P	09 53 16.3 -0.3
INK	Inuvik	89.52	19	eP	pmax	09 53 16.3 -0.3
INK	Inuvik				pmax	
TCRU	Three Creeks R	89.61	51	eP	P	09 53 19.8 +1.7
MTPU	Mount Pierson	89.67	51	eP	P	09 53 19.3 +0.7
WUAZ	Wupatki	89.70	54	eP	P	09 53 19.8 +1.3
WUAZ	Wupatki	89.70	54	P	P	09 53 19.1 +0.6
DUG	Dugway, Tooele	89.73	49	eP	P	09 53 19.5 +0.9
DUG	Dugway, Tooele				LR	
DUG	Dugway, Tooele	8				







11d 10h

IDC 11 10:08:19.9:1.1, 19.29N:122.21E, h0km, mb3.3/5, mb1 3.5/5, mb1mx3.3/4.1, mbtmp3.6/5, Error ellipse: s-maj=75.3km s-min=20.8km az=67.0, Philippine Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, H1S3 WAKE ISLAND Hy, H1S1 WAKE ISLAND Hy, H1S2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1N2 WAKE ISLAND Hy, H1N3 WAKE ISLAND Hy, MKAR Makanchi Array, ASAR Alice Springs, ZALV Zalesovo Beam, YKA Yellowknife Arr.

IDC 11 10:38:0.4:2, 12.92N:67.25E, h0km, mb3.6/3, mb1 3.9/4, mb1mx3.4/5.1, mbtmp3.8/4, ML4.2/1, Error ellipse: s-maj=414.1km s-min=26.7km az=42.0, Arabian Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WSAR Wadi Sarin, WSAR Wadi Sarin, BRTR Keskin Array B, WRA Warramunga Arr, ASAR Alice Springs.

ISCJB 11 10:20:32.0:0.6, 36.40N:0.04:0.70:2E:0.08, h188km, mb3.5/3, Error ellipse: s-maj=9.5km s-min=5.6km az=158.4

IDC 11 10:20:32.1:3.7, 36.29N:0.70:88E, h191km, mb3.3/9, mb1 3.3/14, mb1mx3.1/5.8, mbtmp3.8/14, Error ellipse: s-maj=25.5km s-min=19.1km az=33.0

NMC 11 10:20:40.2:0.3, 37.00N:0.70:89E, h223km, mb2.6, mpv3.8, Error ellipse: s-maj=23.5km s-min=16.7km az=67.0

ISC 11 10:20:33.0:0.8, 36.51N:0.07:70.76E:0.09, h188km, n34, r169/41, mb3.6/8, 7C-5D, Hindu Kush region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SFK Sufi-Kurgan, SFK Sufi-Kurgan, AML Almayashu, MNAS Manas, MNAS Manas, UCH Uchtor, KZA Kyzart, EK52 Erkin-Say, KK31 Karatay Array, KK31 Karatay Array, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, KBK Karagaybulak, CHMS Chumysh, USP Ospanovka, TKM2 Tokmak 2, TKM2 Tokmak 2, PYUN Piuthan, PYUN Piuthan, MKAR Makanchi Array, DANN Dangsing, KOLN Koldanda, AB31 Akbulak array, AB31 Akbulak array, KURBB Kurchatov Arra, PKIN Phuchoki, JIRN Jiri, BVAR Borovoye Array, AKTO Aktyubinsk, ZALV Zalesovo Beam, FINES Finess Array B, ARCES ARCESS Array B, TIXI Tiksi, TORD Torodi Ar. Bea, INK Inuvik, YKA Yellowknife Arr, WRA Warramunga Arr, ASAR Alice Springs.

IDC 11 10:23:05.9:5.3, 12.20S:165.28E, h0km, mb3.6/3, mb1 3.9/3, mb1mx3.5/3.5, mbtmp3.6/3, Error ellipse: s-maj=268.4km s-min=35.1km az=140.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array.

ISCJB 11 10:23:39.0:0.6, 2.32S:0.05:78.98W:0.05, h105km, 5km, Error ellipse: s-maj=10.7km s-min=4.3km az=39.9

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IGQ 11 10:23:39.0:0.4, 2.3:3:7.9W:1, h91km, MLV3.5, ISC 11 10:20:0.1:5, 2.34S:0.05:78.94W:0.06, h99km, gkm, n44, r130/50, 1C, Ecuador

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include COHC Cochancay, COHC Cochancay, MILO Milagro-Astudi, MILO Milagro (Trans), AMIL Amil, IGUA Iguata, GMS Trigal station, BMAS BMAS, ARRY Arrayan, PATI Patucocha, BPAT Patacurhua Vol, BPAT Patacurhua Vol, BBIL Estacion Bilba, RETU Refugio, RETU Refugio, JUIE Juive, JUIE Juive, POND Ponda, BULB Ulba Tungurahua, BULB Ulba Tungurahua, RUNS Runtun, BRUN Tungurahua Vol, SAGO Sagoato, PUYO Puyo, Santa Ro, PUYO Puyo, Santa Ro, PIS1 Pisayambo, PIS1 Pisayambo, MORR Playas El Morr, MORR Playas El Morr, MORR Playas El Morr, ILLI Illinizas Sur, ILLI Illinizas Sur, PAST Pastocalle, BTAM Cotopaxi Volca, ARDO Archidona, Ten, ARDO Archidona, Ten, ANTM Antisana-La Mi, ANTM Antisana-La Mi, ANTG Antisana-Guama, ANTG Antisana-Guama, GONZ Gonzanaz, GONZ Gonzanaz, NINA Atacazo Ninahu, NINA Atacazo Ninahu, ANTS Antisana-Sarah, ANTS Antisana-Sarah, SALL Salinas, SALL Salinas, GGPC Guagua Pichin, GGPC Guagua Pichin, YANA Yana, YANA Yana, MCRA Macar, Loja, MCRA Macar, Loja, MCRA Macar, Loja, PULU Pululhua, PULU Pululhua, CAYA Cayambe, CAYA Cayambe, PAC1 Pacto, Paraso, PAC1 Pacto, Paraso, CUIC Cuicocha-Domo, CUIC Cuicocha-Domo, IMBA Imbabura, San, IMBA Imbabura, San, URCU Urcuqui, URCU Urcuqui, GCUF Cumal, GCUF Cumal, GCUF Volcan Galeras, GCUF Volcan Galeras, GCUF Volcan Galeras, CRUC La Cruz, CRUC La Cruz, SOTA SOTA, SOTA SOTA.

ISCJB 11 10:27:00.7:1.1, 13.93N:0.08:92.31W:0.10, h10km, mb3.7/2, MS4.2/3, Error ellipse: s-maj=14.9km s-min=9.9km az=152.3

IDC 11 10:27:00.4:1.8, 13.93N:92.38W, h0km, mb3.6/2, mb1 3.6/6, mb1mx3.5/5.5, mbtmp3.5/6, ML3.2/4, MS4.2/4, Ms1 4.2/4, ms1mx3.8/5.5, Error ellipse: s-maj=28.8km s-min=16.3km az=5.0

MEX 11 10:27:0.0:0.4, 14.05N:92.53W, h16km, 86km, MD4.0, NEIC 11 10:27:08.0:0.0, 14.07N:92.53W, h16km, MD4.0(MEX), After MEX.

ISC 11 10:27:01.7:1.1, 14.00N:0.08:92.38W:0.07, h10km, n17, r247/19, MS4.3/3, Off coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include THIG THIG, THIG THIG, THIG THIG, PCIG PCIG, PCIG PCIG, APG APG, APG APG, CCG Comitan, CCG Comitan, CCG Comitan, CMIG Matias Romero, CMIG Matias Romero, JTS Juntas Abangare, JTS Juntas Abangare, TXAR Lajitas Array, TXAR Lajitas Array, ROSC El Rosal, ROSC El Rosal, SDV Santo Domingo, SDV Santo Domingo, YKA Yellowknife Arr, YKA Yellowknife Arr, ILAR Eielson Array, ILAR Eielson Array, HFS Hagfors, HFS Hagfors, TIXI Tiksi, TIXI Tiksi, CMAR Chiang Mai Arr, CMAR Chiang Mai Arr.

IDC 11 10:36:17.4:1.4, 11.70N:142.76E, h0km, mb3.4/4, mb1 3.7/5, mb1mx3.4/2, mbtmp3.4/5, ML3.8/1, Error ellipse: s-maj=85.2km s-min=20.4km az=118.0, South of Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include GUMO Guam, GUMO Guam, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, ASAR Alice Springs, ILAR Eielson Array, ILAR Eielson Array, YKA Yellowknife Arr, YKA Yellowknife Arr.

ISCJB 11 10:43:42.0:0.9, 11.55S:0.1:167.08E:0.09, h10km, mb4.0/8, MS3.7/1, Error ellipse: s-maj=20.9km s-min=12.8km az=4.0

IDC 11 10:43:42.1:4.1, 11.43S:167.10E, h0km, mb4.0/8, mb1 4.2/9, mb1mx3.9/4.2, mbtmp3.4/9, ML4.4/1, MS3.7/2, Ms1 3.7/2, ms1mx3.9/4.2, Error ellipse: s-maj=44.0km s-min=22.1km az=14.0

ISC 11 10:43:43.6:1.1, 11.45S:0.2:167.10E:0.1, h10km, n9, r150/10, mb4.0/8, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include HNR Honiara, HNR Honiara.

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Table with columns: HNR, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include HNR HNR, HNR HNR, CTAR Charters Tower, STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, SONM Songino Array, ILAR Eielson Array, YKA Yellowknife Arr.

IDC 11 10:48:50.6:0.5, 30.85N:78.21E, h0km, mb4.4/27, mb1 4.5/31, mb1mx4.4/49, mbtmp4.4/31, ML4.0/4, MS5.0/1, Ms1 5.0/1, ms1mx3.3/5.3, Error ellipse: s-maj=13.7km s-min=11.1km az=36.0

ISCJB 11 10:48:52.7:0.5, 31.04N:0.02:78.31E:0.02, h22km, 4km, mb4.5/91, MS4.3/5, Error ellipse: s-maj=3.7km s-min=2.5km az=137.5

NEIC 11 10:48:52.1:0.2, 30.97N:78.27E, h10km, mb4.6/35, Error ellipse: s-maj=4.9km s-min=3.5km az=215.0

NEIC Felt (III) at Mohali. Also felt at Chandigarh and Panchnala. BUI 11 10:48:52.3:1.0, 31.08N:78.49E, h8km, mb4.7/33, mb4.6/45, Ms4.1/19, MS7.3/9/18

MOS 11 10:48:53.2:1.0, 31.03N:78.29E, h25km, mb4.6/52, Error ellipse: s-maj=7.5km s-min=3.9km az=107.4

NDI 11 10:48:53.2:4.2, 31.00N:78.35E, h10km, ML4.3

NMC 11 10:48:57.5:5.1, 31.09N:78.15E, h39km, 43km, mb4.5, Error ellipse: s-maj=47.9km s-min=35.5km az=79.0

ISC 11 10:48:51.6:0.9, 31.00N:0.03:78.33E:0.03, h6km, 5km, n254, r176/306, mb4.6/91, MS4.2/5, 24C-10D, Northern

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include DDI Dehra Dun, SMLA Simla, SMLA Simla, SMLA Simla, SMLA Simla, JOSI Joshimath, JOSI Joshimath, JOSI Joshimath, JOSI Joshimath, KALG Kalgarh, KALG Kalgarh, KKR Kurukshetra, DHRM DHARAMSHALA, DHRM DHARAMSHALA, DHRM DHARAMSHALA, NDI New Delhi, NDI New Delhi, SONA Sohna, SONA Sohna, SARP Sargodha, PYUN Piuthan, PYUN Piuthan, CHCP Chin Chawkn, NCHP Nilore, NCHP Nilore, DANN Dangsing, KOLN Koldanda, THW Thamme Wali, CEP Cherat, DMM Damam, KKN Kakani, PHUKHOI Phuchokoi, PKI Putchoki, PKI Putchoki, GUN Gumba, JIRN Jiri, JIRN Jiri, JBP Jabalpur, JBP Jabalpur, RAMN Ramnagar, KBL Kabul, KBL Kabul, KBL Kabul, KSH Kashi, KSH Kashi, KSH Kashi, KSH Kashi, ODAN Odare, ODAN Odare, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, NGP Nagpur, NGP Nagpur, NGP Nagpur, GAR Garm, GAR Garm, GAR Garm, NARN Naryn, NARN Naryn, TARG Taragay, Kyrgy, BTB Batken, BTB Batken, KDJ Kajisa, LSA Lhasa, LSA Lhasa, ARSB Arslanbob, KZA Kyzart, PRZ Przheval'sk.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BOSA, PRK, INK, IL1, ILAR, ILB, EPYK, SCRK, DBIC, KIC, TIC, LIC, KDAK, CTA, YKWS, YKA, YKBS, STKA, LTX, TXAR, LPAZ, USHA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DMPH, KCP, DDMP, DDMP, MATI, SKMP, SKMP, BUKP, BUKP.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, ASAR, ILAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRM, DZM, ASAR, ILAR.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CHPI, CLCH, CLCH, LMEL, LMEL, LMEL, RKC1, ROC1, ROC1, ROC1, ROCH, ROCH, ROCH, PEL, PEL, PEL, PEL, PEL, FCH, FCH, FCH, AAGR, ARCO, ARCO, AVIZ, AUSP, ASAL, RTLS, RTLS, RTLC, RTLL, RTLL, G004, ACCO, AMOG, ACAN, AROD, G006.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like LCO, MRA, MRA, AGUA, APLL, AACL, AACL, ACLA, CYA, TRQA, MNMC, LPAZ, LPAZ, SIV, QSPA, LTX, TXAR, TX31, BOSA, PDAR, NVAR, TOAR, TORD, BVAR, BVAR, AAK, ZALV.

IDC 11 11:04:31.4, 1.8, 52.75N:132.73W, h0km, mb3.3/2, mb1 3.5/3, mb1mx3.2/55, mbtmp3.2/3, ML3.5/1, Error ellipse: s-maj=40.8km s-min=1.4km az=101.0, PGC 11 11:04:32.9, 0.9, 52.80N:132.32W, h25km, ML3.5/14, ML3.5/14, 60km southwest of Sandspit, Bc Haida Gwaii

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HGB1, HGB1, DIB, H02S1, H02S1, BNB, BNB, MOCB, MOCB, HGB3, HGB3, HGB4, HGB4, NDB, NDB, MASB, MASB, BBB, BBB, PHC, PHC, PACB, PACB, TLBC, TLBC, FSB, FSB, FSB, FSB, CBB, CBB, DLBC, DLBC, TXB, TXB, YKA, YKA, TXAR, MKAR.

NNC 11 11:08:17.6, 3.7, 37.22N:71.02E, h0km, mb3.7, mpv3.4, 4C-6D, Error ellipse: s-maj=33.3km s-min=27.2km az=82.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SFK, SFK, AML, AML, MNAS, MNAS, UCH, UCH, KK31, KK31, AAK, AAK, AAK, CHMS, CHMS, TKM2, TKM2, TKM2.

IDC 11 11:10:50.8, 0.7, 45.08S:81.73W, h0km, mb4.4/13, mb1 4.5/13, mb1mx4.4/23, mbtmp4.4/13, MS4.2/6, MS1 4.3/6, ms1mx4.0/22, Error ellipse: s-maj=25.9km s-min=17.6km az=99.0

ISCJB 11 11:10:51.9, 0.3, 44.97S:0.06:81.36W, 0.08, h10km, mb4.0/57, MS4.3/5, Error ellipse: s-maj=8.2km s-min=7.8km az=166.8

NEIC 11 11:10:53.0, 0.2, 44.99S:81.47W, h10km, mb4.9/51, Error ellipse: s-maj=5.5km s-min=5.0km az=123.0

BUI 11 11:10:53.6, 4.4, 90S:81.50W, h10km, mB5.2/1, Ms7.5/21

ISC 11 11:10:53.1, 0.4, 44.94S:0.07:81.5W, 0.1, h10km, n109, <108/120, mb4.9/57, MS4.4/5, West Chile Rise

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GLOA, GLOA, PLCA, PLCA, G006, G006, USHA, USHA.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ROCI, PEL, TRQA, G004, LCO, G002, PMSA, LVC, LVC, LVC, CPUP, CPUP, CPUP, LPAZ, LPAZ, LPAZ, ATAH, BDFB, BDFB, SNA, SNA, OTAV, GSPA, ROSC, ROSC, MAW, MAW, RAR, RAR, CASY, CASY, RPZ, RPZ, HPIG, HPIG, LTX, TXAR, TX31, JCT, MSTX, LEM, LEM, LAZ, ANMO, CCM, X18A, GLA, Y14A, LBTB, LIC, W13A, KIC, DBIC, DBIC, DBIC, MVCO, S22A, GSC, PV01, KNB, LCMT, SHPR, SMCO, SZCU, CCUT, MTPU, TPNV, MSU, SRU, TMUT, P17A, PSUT, N23A, R11A, MPU, NLU, DUG, NV01, NVAR, CMB, TCUT, ELK, BW06, PDAR, IMW, YMR, YHH, GEYT, TIXI, TIXI, TIXI, CM01, CM01, CM01, GAR, NJ2, GYA, GYA.

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region

ISC 11 11:04:30.8, 1.6, 52.74N:0.04:132.49W, 0.06, h0km, gkm, n20, <28/37, Queen Charlotte Islands region





M51 3.5/4, m51mx3.1/28, Error ellipse: s-maj=19.7km s-min=14.1km az=109.0  
 BUJ 11 12:50:59.8, 10:50S, 165:78E, h9km, mb5.0/18, mb4.5/29, Ms4.6/1  
 NEIC 11 12:51:00.4, 0.1, 10:85S, 165:75E, h10km, mb4.7/30, Error ellipse: s-maj=5.0km s-min=3.3km az=99.0  
 ISC 11 12:51:00.3, 0.4, 10:89S, 0:06, 165:80E, 0:07, h10km, n101, c089/103, mb4.5/52, 1.C, Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
HNR	Honiara	5.94	284	eP	Pn	12 52 26.0	-2.3
HNR	Honiara	5.94	284	eP	Pn	12 53 40.0	+3.5
HNR	Honiara	5.94	284	ePn	Pn	12 52 28.3	-0.1
HNR	Honiara	5.94	284	eS	Pn	12 53 35.3	-1.2
HNR	Honiara	5.94	284	eP	Pn	12 52 29.1	+0.8
HNR	Honiara	19m, 0.3s, baz=223, slow=18, SNR=9-1			Sn	12 53 35.3	-1.2
HNR	Honiara	baz=58, slow=19, SNR=1.5			Sn	12 55 08.1	
HNR	Honiara	comp=Z, 4.77nm, 18.1s, baz=71, slow=42			LR	12 56 37.1	
MARC	Mare, Loyalty	10.75	169	ePn	Pn	12 53 35.2	+0.8
DZM	Mont Dzumac	11.14	177	eP	Pn	12 53 41.7	+1.9
DZM	Mont Dzumac	11.14	177	ePn	Pn	12 55 42.8	-1.8
DZM	Mont Dzumac	7.1nm, 0.3s, baz=312, slow=18, SNR=6-9			Sn	12 55 42.8	-1.8
DZM	Mont Dzumac	0.9m, 0.3s, baz=137, slow=19, SNR=2-2			Sn	12 55 42.8	-1.8
DZM	Mont Dzumac	1.14	177	eP	Pn	12 56 37.1	
OUMC	Ouen Island, N	11.51	175	ePn	Pn	12 53 46.2	+1.4
PINNC	Pines Island,	11.77	173	ePn	Pn	12 53 49.7	+1.4
TARA	Tarawa	14.07	31	ePn	Pn	12 54 20.3	+0.4
MANU	Manus Island	20.30	294	eP	Pn	12 55 36.0	-0.5
CTA	Charters Tower	20.92	242	eP	Pn	12 55 45.0	-0.8
CTA	Charters Tower	11m, 0.9s, baz=77, slow=14, SNR=8-7			P	12 55 43.0	+0.2
OUZ	Omahuta	25.24	165	eP	P	12 56 26.9	+0.4
URZ	Urewera	29.08	161	eP	P	12 57 01.2	+0.2
URZ	Urewera	29.08	161	eP	P	12 57 02.1	+1.1
URZ	Urewera	2.9m, 0.3s, baz=343, slow=14, SNR=3-1			LR	13 06 21.7	
H1S12	WAKE ISLAND Hy 29.20	2	T			13 27 23.0	
H1S13	WAKE ISLAND Hy 29.21	2	T			13 27 23.3	
H1S14	WAKE ISLAND Hy 29.22	2	T			13 27 23.7	
BKZ	Black Stump Fm	29.73	163	eP	P	12 57 06.9	0.0
H1N11	WAKE ISLAND Hy 30.42	2	T			13 28 54.6	
H1N13	WAKE ISLAND Hy 30.43	2	T			13 28 57.7	
H1N12	WAKE ISLAND Hy 30.44	2	T			13 28 56.0	
STKA	Stevens Creek	30.59	223	eP	P	12 57 15.3	+0.8
STKA	Stevens Creek	30.59	223	eP	P	12 57 16.4	+1.9
BFZ	Birch Farm	31.08	165	eP	P	12 57 19.1	+0.4
WRAB	Tennant Creek	31.57	250	eP	P	12 57 23.7	+0.4
WR1	Warramunga Arr	31.59	250	eP	P	12 57 22.5	-0.9
WRA	Warramunga Arr	31.59	250	eP	P	12 57 22.5	-1.0
WRA	Warramunga Arr	2.1m, 0.9s, baz=80, slow=8.9, SNR=1-2			PcP	13 00 16.2	+0.2
TOO	Tooolag	32.23	211	eP	P	12 57 29.3	+0.3
FOZ	Fox Glacier	32.71	175	eP	P	12 57 33.8	+0.8
AS01	Alice Springs	32.87	243	eP	P	12 57 34.1	-0.6
AS01	Alice Springs	32.91	243	eP	P	12 57 34.3	-0.8
ASAR	Alice Springs	32.91	243	eP	P	12 57 34.5	-0.5
ASAR	Alice Springs	4.2m, 0.8s, baz=67, slow=9.9, SNR=6-3			PcP	13 00 19.9	+0.3
RPZ	Rata Peaks	33.02	173	eP	P	12 57 36.0	+0.2
RPZ	Rata Peaks	1.4m, 0.9s, baz=82, slow=3.3, SNR=8-1			P	12 57 36.0	+0.2
RPZ	Rata Peaks	33.02	173	eP	P	12 57 36.0	+0.2
FITZ	Fitzroy Crossi	39.47	255	eP	P	12 58 30.5	-0.7
MJAR	Matsushiro Arr	53.85	332	eP	P	13 00 23.2	-0.5
MAJO	Matsushiro Arr	53.85	332	eP	P	13 00 23.2	-0.5
ASAJ	Asahikawa	58.66	341	eP	P	13 00 58.1	+0.3
NJ2	Nanjing	61.94	315	eP	P	13 01 19.8	-0.7
USRK	Ussuriysk Arr	62.83	333	eP	P	13 01 26.9	+0.7
PETK	Petrovskovsk-	64.11	355	eP	P	13 01 35.8	+1.2
PETK	Petrovskovsk-	1.9m, 0.8s, baz=163, slow=10, SNR=4-2			LR	13 27 11.8	
PEA1	Petrovskovsk-	64.12	355	eP	P	13 01 35.8	+1.2
CN2	Changchun	65.63	329	eP	P	13 01 45.1	+0.5
XAN	Xi'an	70.05	312	eP	P	13 02 12.6	-0.2
XAN	Xi'an	70.05	312	eP	P	13 02 19.5	+2.4
XAN	Xi'an	comp=Z, 2.0nm, 1.1s			pmx		
HHC	Hu-ho-hao-te	71.74	320	eP	P	13 02 23.0	0.0
HHC	Hu-ho-hao-te	comp=Z, 7.0nm, 0.8s			pmx		
CM01	Chiang Mai Arr	72.07	293	eP	P	13 02 25.1	-0.1
CMAR	Chiang Mai Arr	72.09	293	eP	P	13 02 25.7	+0.3
CD2	Chengdu	72.55	307	eP	P	13 02 37.8	+0.1
SEY	Seymchan	74.32	354	eP	P	13 02 41.8	+1.2
LZH	Lanzhou	74.59	312	eP	P	13 02 50.2	+0.6
LZH	Lanzhou	comp=Z, 1.9nm, 1.0s			pmx		
GAMB	Gambel	76.40	10	eP	P	13 02 50.2	+0.6
SONAO	Songino Array	78.57	324	eP	P	13 03 02.0	-0.2
SONM	Songino Array	78.57	324	eP	P	13 03 02.0	-0.2
SONA1	Songino Array	78.57	324	eP	P	13 03 01.6	-0.6
BILL	Bilibino	78.72	0	eP	P	13 03 02.7	+0.3
GTA	Gaotai	78.98	314	eP	P	13 03 05.9	+1.2
GTA	Gaotai	1.9m, 0.7s, baz=141, slow=6.4, SNR=4-3			PcP	13 03 10.0	+1.0
GTA	Gaotai	1.9m, 0.7s, baz=141, slow=6.4, SNR=4-3			PcP	13 03 12.9	-0.4
GTA	Gaotai	1.9m, 0.7s, baz=141, slow=6.4, SNR=4-3			S	13 03 04.3	+0.4
GTA	Gaotai	comp=Z, 4.0nm, 1.1s			pmx		
GTA	Gaotai	comp=Z, 100m, 6.8s			LR		
GTA	Gaotai	comp=N, 100m, 20.6s			LR		
GTA	Gaotai	comp=E, 140nm, 19.4s			LR		
QSPA	South Pole Qui	79.12	180	eP	P	13 03 04.3	-0.7
TRF	Thorofare Moun	81.35	18	eP	P	13 03 17.2	+0.2
RND	Red Dog Mine	81.79	19	eP	P	13 03 19.0	-0.1
RDG	Red Dog Mine	81.79	19	eP	P	13 03 19.0	-0.1
RDG	Red Dog Mine	5.3m, 0.8s			P	13 03 19.8	+0.5
DHW	Denali Highway	82.02	20	eP	P	13 03 20.9	+0.4
BWN	Brown	82.13	18	eP	P	13 03 21.9	+1.1
IM3	Indian Mountai	82.26	16	eP	P	13 03 21.7	+0.2
MLY	Manley	82.37	17	eP	P	13 03 23.4	+1.2

4.4nm, 1.2s  
 WRH Wood River Hill 82.76 18 eP P 13 03 24.4 +0.2  
 MDM Murphy Dome 83.06 18 eP P 13 03 25.4 -0.3  
 HDA Harding Lake 83.08 19 eP P 13 03 25.7 -0.1  
 COLA College 83.12 18 eP P 13 03 25.8 -0.2  
 IL1 Eielson Array 83.35 18 eP P 13 03 26.9 -0.3  
 ILAR Eielson Array 83.35 18 eP P 13 03 26.9 -0.4  
 ILB Eielson Array 83.35 18 eP P 13 03 27.3 +0.1  
 DOT Dot Lake 83.51 20 eP P 13 03 28.3 +0.2  
 SCRK Sand Creek 83.75 20 eP P 13 03 29.7 +0.2  
 DAWY Dawson 85.39 21 eP P 13 03 38.3 +0.6  
 NV01 Mina Array Sit 85.88 50 eP P 13 03 40.7 -0.2  
 NVAR Mina Array Bea 85.88 50 eP P 13 03 41.1 +0.2  
 TIXI Tikisi 85.94 349 P P 13 03 39.9 -0.2  
 WMQ Urumqi 89.02 315 eP P 13 03 55.7 0.0  
 INK Inuvik 89.73 19 P P 13 03 57.9 -0.5  
 PDAR Pinedale Array 93.41 47 P P 13 04 17.2 +0.8  
 MK01 Makanchi Array 93.43 317 eP P 13 04 15.7 -0.4  
 MK31 Makanchi Array 93.44 317 eP P 13 04 15.8 -0.4  
 MK32 Makanchi Array 93.44 317 eP P 13 04 16.0 -0.1  
 MKAR Makanchi Array 93.44 317 eP P 13 04 15.8 -0.3  
 MKAR Makanchi Array 93.44 317 eP P 13 04 16.0 -0.1  
 ZALV Zalesovo Beam 93.46 324 eP P 13 04 14.6 -1.4  
 ZALV Zalesovo Beam 93.46 324 eP P 13 04 14.9 -1.1  
 ZAA1 Zalesovo Array 93.46 324 eP P 13 04 14.9 -1.1  
 MAK2 Makanchi 93.65 317 eP P 13 04 16.6 -0.6  
 YKA Yellowknife Arr 94.81 27 P P 13 04 20.6 -1.3  
 YKBS Yellowknife Arr 94.81 27 eP P 13 04 20.7 -1.3  
 ARAO ACCESS Array S 116.19 345 ePKPdf PKIKP 13 09 42.7 -0.7  
 ARCS ACCESS Array B 116.19 345 ePKPdf PKIKP 13 09 42.7 -0.7  
 NB20 NORSAR Array S 126.56 345 ePKPdf PKPpdf 13 10 02.6 -1.0  
 NOA NORSAR Array B 126.56 345 ePKPdf PKPpdf 13 10 02.6 -1.0  
 GERES GRESS Array B 116.19 345 ePKPdf PKPpdf 13 10 02.2 -0.9  
 ESCD Sonsec Array 149.92 344 ePKPbc PKPbc 13 10 51.3 -0.1  
 TORO Torodi Arr. Bea 164.29 280 ePKP P 13 11 04.7 -0.5  
 TORO Torodi Arr. Bea 164.29 280 ePKP P 13 11 04.7 -0.5  
 TOA1 Torodi Arr. Bea 164.29 280 ePKP P 13 11 04.7 -0.5  
 TOA1 Torodi Arr. Bea 164.29 280 ePKP P 13 11 04.7 -0.5

11d 12:56:29.9, 0.7, 11:86S, 165:33E, h0km, mb4.0/14, mb1.4/2.16, mb1mx4.0/45, mbtmp4.0/16, ML4.3/2, Error ellipse: s-maj=22.3km s-min=18.5km az=144.0  
 NEIC 11 12:56:33.0, 0.4, 0.1, 11:88S, 165:33E, h10km, mb4.6/8, Error ellipse: s-maj=7.7km s-min=6.1km az=137.0  
 ISCJB 11 12:56:33.0, 0.4, 0.1, 11:95S, 0:07, 165:20E, 0:06, h33km, mb4.1/22, Error ellipse: s-maj=9.9km s-min=8.1km az=4.5  
 ISC 11 12:56:35.1, 0.6, 11:90S, 0:09, 165:27E, 0:09, h35km, n39, c070/411, mb4.2/22, Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
HNR	Honiara	5.77	295	ePn	Pn	12 57 58.2	-0.2
HNR	Honiara	5.77	295	eS	Pn	12 59 02.8	-0.6
HNR	Honiara	5.77	295	eP	Pn	12 57 57.1	-1.3
HNR	Honiara	11m, 0.3s, baz=144, slow=14, SNR=2-8			Sn	12 59 03.0	-0.4
DZM	Mont Dzumac	10.18	174	ePn	Pn	12 58 58.4	-0.5
DZM	Mont Dzumac	10.18	174	eP	Pn	12 58 58.1	-0.8
URZ	Urewera	28.30	160	eP	P	13 02 26.1	+0.7
WR1	Warramunga Arr	30.76	251	eP	P	13 02 47.6	+0.2
WRA	Warramunga Arr	30.76	251	eP	P	13 02 47.6	+0.2
AS01	Alice Springs	31.95	244	eP	P	13 02 57.4	-0.6
AS31	Alice Springs	32.00	244	eP	P	13 02 58.0	-0.4
ASAR	Alice Springs	32.00	244	eP	P	13 02 57.9	-0.5
FITZ	Fitzroy Crossi	38.71	256	eP	P	13 03 56.8	+0.7
FITZ	Fitzroy Crossi	38.71	256	eP	P	13 03 56.2	+0.1
CM01	Chiang Mai Arr	72.00	294	eP	P	13 07 55.8	-0.1
CMAR	Chiang Mai Arr	72.02	294	eP	P	13 07 58.2	+0.1
SEY	Seymchan	75.27	354	eP	P	13 08 14.4	+0.3
GAMB	Gambel	77.49	10	eP	P	13 08 26.6	0.0
QSPA	South Pole Qui	78.11	180	eP	P	13 08 30.7	+0.2
SONAO	Songino Array	79.07	324	eP	P	13 08 37.1	+1.1
SONM	Songino Array	79.07	324	eP	P	13 08 37.1	+1.1
IM3	Indian Mountai	83.37	16	eP	P	13 08 59.9	+0.7
WRH	Wood River Hill	83.78	18	eP	P	13 09 00.9	0.0
MDM	Murphy Dome	84.18	18	eP	P	13 09 02.6	+0.2
HDA	Harding Lake	84.20	19	eP	P	13 09 02.5	-0.1
RIDG	Independed e Rid	84.43	20	eP	P	13 09 04.0	+0.2
ILAR	Eielson Array	84.47	19	eP	P	13 09 03.9	+0.1
ILB	Eielson Array	84.47	19	eP	P	13 09 04.0	+0.1
SCRK	Sand Creek	84.87	20	eP	P	13 09 06.0	0.0
NV01	Mina Array Sit	86.93	50	eP	P	13 09 16.6	-0.4
NVAR	Mina Array Bea	86.93	50	eP	P	13 09 17.0	0.0
LON	Longmire	87.20	41	eP	P	13 09 17.9	0.0
MK32	Makanchi Array	93.82	317	eP	P	13 09 49.6	+0.8
MKAR	Makanchi Array	93.82	317	eP	P	13 09 49.6	+0.8
ZALV	Zalesovo Beam	93.97	324	eP	P	13 09 49.1	-0.2
ZAA1	Zalesovo Array	93.97	324	eP	P	13 09 49.1	-0.2
PDAR	Pinedale Array	94.47	47	eP	P	13 09 51.8	-0.4
YKA	Yellowknife Arr	95.94	27	eP	P	13 09 56.9	-1.2
YKBS	Yellowknife Arr	95.94	27	eP	P	13 09 56.5	-1.5
LTX	Lajitas Array	96.65	62	eP	P	13 10 11.7	+0.5
TXAR	Lajitas Array	96.65	62	eP	P	13 10 11.7	+0.5

MEX 11 13:15:28.8, 0.4, 13:55N, 92:42W, h5km, 313km, MD4.0, Off coast of Chiapas

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
PCIG	Comitan	2.27	340	eP	Pn	13 16 04.0	-3.1
PCIG							





KDJ	baz=79	↑/S	Sb	15 01 08.0 +0.1
KURS	Kuram 32nm,0.2s	1.93 327 P	Pn	15 00 45.3 +1.2
KURS	20nm,0.5s	S	Pb	15 01 10.5 -0.3
KURS	Kuram 32nm,0.2s	1.93 327 eP	Pn	15 00 45.3 +1.2
KURS	20nm,0.5s	eS	Sb	15 01 10.5 -0.3
TNSS	Tian-Shan 17nm,0.2s	2.29 301 Pg	Pn	15 00 51.1 +1.7
TNSS	44nm,0.4s	Lg	Lg	15 01 21.2
TNSS	Tian-Shan 17nm,0.2s	2.29 301 eP	Pn	15 00 51.1 +1.7
TNSS	44nm,0.4s	eS	Sb	15 01 20.8 -0.5
MDOK	Medeo 20nm,0.5s	2.29 305 Pn	Pn	15 00 50.8 +1.7
MDOK	74nm,0.6s	Sn	Sb	15 01 20.7 -0.5
MDOK	Medeo 30nm,0.4s	2.29 305 Pg	Pn	15 00 50.9 +1.7
MDOK	80nm,0.4s	Lg	Lg	15 01 21.2
MDOK	Medeo 30nm,0.4s	2.29 305 eP	Pb	15 00 51.3 -1.0
MDOK	80nm,0.4s	eS	Sb	15 01 21.2 0.0
KOTS	Kotrybulak 20nm,0.3s	2.29 307 Pg	Pn	15 00 51.5 -0.9
KOTS	89nm,0.4s	Lg	Lg	15 01 21.0
KOTS	Kotrybulak 20nm,0.3s	2.29 307 eP	Pb	15 00 51.5 -0.9
KOTS	89nm,0.4s	eS	Sb	15 01 21.1 -0.2
KNDC	Almaty 16nm,0.6s	2.37 305 ↓/Pn	Pb	15 00 52.5 -1.1
KNDC	31nm,0.3s	↓/Sn	Sb	15 01 24.2 +0.8
MNBS	Baschi 39nm,0.3s	2.38 339 Pg	Pn	15 00 52.4 +2.0
MNBS	60nm,0.3s	Lg	Lg	15 01 22.6
MNBS	Baschi 39nm,0.3s	2.38 339 eP	Pn	15 00 52.4 +2.0
MNBS	60nm,0.3s	eS	Sb	15 01 22.6 -1.1
DJR	Jarkent 1.6nm,0.2s	2.46 3 eP	Pb	15 00 54.9 -1.0
DJR	15nm,0.3s	eS	Sb	15 01 26.7 +0.6
IZV	Izvestkoviy 18nm,0.2s	2.50 299 Pg	Pb	15 00 54.9 -1.0
IZV	73nm,0.5s	Lg	Lg	15 01 27.5
IZV	Izvestkoviy 18nm,0.2s	2.50 299 eP	Pb	15 00 54.9 -1.0
IZV	73nm,0.5s	eS	Sb	15 01 27.0 -0.3
ULHL	Ulahof baz=80	2.53 280 ↑/P	Pn	15 00 54.1 +1.5
ULHL	1.6nm,0.2s	↑/S	Sb	15 01 26.2 -2.0
MTBS	Maitube 13nm,0.3s	2.66 299 eP	Pb	15 00 58.1 -0.5
MTBS	35nm,0.3s	eS	Sb	15 01 32.2 +0.3
ARXS	Arharly 16nm,0.5s	2.68 331 Pg	Pb	15 00 58.6 -0.2
ARXS	20nm,0.2s	Lg	Lg	15 01 32.7
ARXS	Arharly 16nm,0.5s	2.68 331 eP	Pb	15 00 58.6 -0.2
ARXS	20nm,0.2s	eS	Sb	15 01 33.4 +1.1
NRN	Naryn baz=62	2.74 262 ↓/P	Pn	15 00 56.2 +0.7
NRN	baz=62	↓/S	Sn	15 01 30.3 +0.9
CHKK	Chushkaly 20nm,0.2s	2.76 317 Pg	Pb	15 00 59.2 -1.1
CHKK	78nm,0.3s	Lg	Lg	15 01 33.8
CHKK	Chushkaly 20nm,0.2s	2.76 317 eP	Pb	15 00 59.8 -0.5
CHKK	78nm,0.3s	eS	Sb	15 01 35.4 +0.8
BOOM	Boomskeye usch baz=84	2.79 284↑/P	Pn	15 00 57.1 +1.0
BOOM	baz=84	↑/S	Sn	15 01 32.4 +1.8
KTBS	Karatobe 6.0nm,0.1s	2.83 311 Pg	Pb	15 01 01.1 -0.4
KTBS	44nm,0.3s	Lg	Lg	15 01 37.4
KTBS	Karatobe 6.0nm,0.1s	2.83 311 eP	Pb	15 01 01.1 -0.4
KTBS	44nm,0.3s	eS	Sb	15 01 37.4 +0.8
DGS	Degeres 11nm,0.3s	3.15 297 Pg	Pb	15 01 05.2 -1.6
DGS	25nm,0.6s	Lg	Lg	15 01 44.4
DGS	Degeres 11nm,0.3s	3.15 297 eP	Pb	15 01 05.2 -1.6
DGS	25nm,0.6s	eS	Sb	15 01 44.4 -1.4
TKM2	Tokmak 2 3.8nm,0.5s	3.15 291 ↓/Pg	Pb	15 01 05.5 -1.5
TKM2	11nm,0.6s	↓/Lg	Lg	15 01 49.8
TKM2	Tokmak 2 3.8nm,0.5s	3.15 291 ↑/P	Pn	15 01 02.1 +1.1
TKM2	baz=91	↑/S	Sn	15 01 41.2 +1.8
KAPS	Kapalarasan 2.2nm,0.2s	3.42 357 eP	Pb	15 01 11.5 +0.1
KAPS	16nm,0.4s	eS	Sb	15 01 55.1 +1.6
AAK	AAla-Archa 1.8nm,0.3s	3.87 283 Pg	Pb	15 01 19.9 +0.6
AAK	4.4nm,0.5s	Lg	Lg	15 02 13.0
ARLS	Aral baz=72	3.94 272↑/P	Pn	15 01 13.0 +1.0
ARLS	baz=72	↑/S	Sn	15 01 59.9 +0.9
MAKZ	Makanchi 0.4nm,0.3s	5.22 18 ↑/Pn	Pn	15 01 29.7 +0.4
MAKZ	1.0nm,0.6s	↓/Sn	Sn	15 02 29.3 -0.8
MAKZ	1.1nm,0.5s	↓/Lg	Lg	15 02 55.2
MK31	Makanchi Array 0.1nm,0.3s, baz=197, slow=12, SNR=2.8	5.28 20 ↓/Pn	Pn	15 01 31.2 +1.0
MK31	0.9nm,0.4s, baz=193, slow=24	↓/Sn	Sn	15 02 33.2 +1.5
MK31	0.4nm,0.3s, baz=198, slow=32	↓/Lg	Lg	15 02 57.5

IDC 11 15:00:27.8±2.1, 39°64'N-25°50'E, h0km, mb3.4/1,  
 mb1 3.6/6, mb1mx3.3/36, mbtmp3.5/6, ML3.8/4, MS3.3/1,  
 Ms1 3.3/1, ms1mx2.3/30, Error ellipse: s-maj=30.6km  
 s-min=18.6km az=63.0  
 ISK 11 15:00:28.8, 39°74'N-25°60'E, h0km, ML3.7/15  
 BEO 11 15:00:28.1±1.0, 39°61'N-25°64'E, h0km, ML3.6/3  
 ATH 11 15:00:29.3, 39°73'N-25°60'E, h29km±1km, ML3.5/13, Error  
 ellipse: s-maj=1.5km s-min=0.9km az=82.0  
 ISCJB 11 15:00:29.0±0.4, 39°75'N-0°01'25"E-0°02', h7km±3km,  
 mb3.1/1, MS3.1/1, Error ellipse: s-maj=2.5km s-min=2.1km  
 az=36.3  
 DDA 11 15:00:29.4, 39°73'N-25°66'E, h23km±1km, ML4.0  
 THE 11 15:00:30.1, 39°74'N-25°63'E, h12km, ML3.6/10, Error  
 ellipse: s-maj=1.0km s-min=0.5km az=83.0  
 SOF 11 15:00:31.3, 39°90'N-25°65'E, h10km, MD3.5  
 ISC 11 15:00:29.7±1.0, 39°73'N-0°02'25"E-0°02', h12km±8km,  
 n150, of81/185, 13C-7D, Aegean Sea

BOZC	Bozcaada	0.35 71 ↓/P	Pb	15 00 37.2 -0.7
BOZC	BOZC	↓/S	Sb	15 00 42.1 -1.2
LIA	Limnos Island	0.38 296 P	Pb	15 00 37.4 +0.1
LIA	LIA	S	Pg	15 00 43.1 -1.2
LIA	LIA	AML	Sb	15 00 48.0
LIA	comp=N,25866µm,0.6s	AML	AML	15 00 50.4
LIA	comp=E,17238µm,0.6s	AML	AML	15 00 37.3 +0.1
LIA	Limnos Island	0.38 296 P	Pg	15 00 37.1 -1.2
EFSA	Agios Efstrati	0.53 249 P	Pb	15 00 40.7 -0.1
EFSA	EFSA	AML	AML	15 00 54.7
EFSA	comp=N,21031µm,0.4s	AML	AML	15 00 56.8
EFSA	comp=E,22304µm,0.4s	AML	AML	15 00 40.3 -0.1
SIGR	SIGRI	0.55 161 PG	Pg	15 00 40.4 -0.6
SIGR	SIGR	SG	Sb	15 00 48.2 -0.1
SIGR	SIGRI	0.55 161 P	Pb	15 00 48.6 -0.4
SIGR	SIGR	S	Sb	15 00 49.4
SIGR	comp=N,14853µm,0.6s	AML	AML	15 00 49.4
SIGR	comp=E,12639µm,0.7s	AML	AML	15 00 48.2 -0.1
SIGR	SIGRI	0.55 161 P	Pg	15 00 48.5 -0.6
SIGR	EZIN	0.55 80 PG	Pg	15 00 48.2 -0.2
SIGR	EZIN	SG	Sb	15 00 48.3 -0.8
SIGR	EZIN	0.55 80 P	Pg	15 00 48.0 -0.2
SIGR	EZIN	S	Pb	15 00 48.0 -1.1
PRK	Paraskevi	0.69 134 S	Pb	15 00 44.2 +0.5
PRK	PRK	AML	AML	15 01 00.3 -1.2
PRK	comp=N,21051µm,0.6s	AML	AML	15 01 00.8
PRK	comp=E,19939µm,0.9s	AML	AML	15 00 44.3 +0.6
PRK	Paraskevi	0.69 134 P	Pb	15 00 54.4 +1.1
BAYC	CANAKKALE_Bayr	0.71 89 ↓/P	Pb	15 00 43.4 -0.7
BAYC	BAYC	↓/S	Sb	15 00 53.7 -0.1
BAYC	BAYC	IAML_P		
SMTH	Samothraki Isl	0.74 354 P	Pb	15 00 44.0 -0.6
SMTH	SMTH	S	Pb	15 00 54.7 -0.1
SMTH	SMTH	AML	AML	15 00 57.3
SMTH	comp=E,6012µm,0.4s	AML	AML	15 00 58.0
SMTH	comp=N,3861µm,0.4s	P	Pb	15 00 44.0 -0.6
SMTH	SMTH	S	Sb	15 00 55.5 +0.7
SMTH	SMTH	↓/P	Pb	15 00 47.9 -0.6
AYVA	Ayvalik	0.93 117 ↓/P	Pb	15 01 07.9 -0.6
AYVA	AYVA	↓/S	Sb	15 01 07.9 -0.6
GELI	Tayfur-Gelibol	0.93 44 PG	Pg	15 01 07.7 -0.2
GELI	GELI	SG	Sn	15 01 00.9 -1.1
LPK	Lapseki	1.08 53 PN	Pb	15 00 50.1 -0.3
ENEZ	Enez	1.08 22 PN	Pb	15 00 50.2 -0.7
THAS	Thassos island	1.12 322 P	Pb	15 01 05.6 0.0
THAS	THAS	S	Sb	15 01 06.3
THAS	comp=N,5145µm,0.4s	AML	AML	15 01 07.6
THAS	comp=E,6254µm,0.3s	AML	AML	15 00 50.3 -0.7
THAS	Thassos island	1.12 322 P	Pb	15 01 05.5 0.0
ERIK	Erikli-Kesan	1.16 36 PN	Pg	15 00 51.5 -0.5
PSRA	Psara	1.19 182 P	Pb	15 00 52.5 0.0
SKY	Skiros Island	1.19 225 P	Pb	15 00 51.5 -0.7
SKY	SKY	S	Pb	15 01 05.6 0.0
SKY	Skiros Island	1.19 225 P	Sg	15 01 07.9 -0.2
ALN	Alexandroupoli	1.21 15 PN	Pn	15 00 51.9 -0.6
ALN	ALN	S	Pb	15 00 51.8 -0.6
ALN	Alexandroupoli	1.21 15 P	Pn	15 01 08.0 -0.2
ALN	ALN	AML	AML	15 01 15.2
ALN	comp=E,2208µm,0.5s	AML	AML	15 01 15.3
ALN	comp=N,1619µm,0.4s	P	Pn	15 00 51.8 -0.6
ALN	Alexandroupoli	1.21 15 S	Pn	15 01 08.0 -0.2
ALN	ALN	S	Pb	15 00 51.8 -0.6
FOCM	Foa	1.33 139 PN	Pn	15 00 54.8 -0.4
KRBN	Karaburun	1.34 147 PN	Pb	15 00 55.4 -0.1
KESN	Edirne-Kesan	1.36 36↑/P	Pb	15 00 55.1 -0.3
KESN	KESN	↓/S	Sg	15 01 14.3 +0.7
KESN	KESN	IAML_P		
CHOS	Chios island	1.38 166 PN	Pb	15 00 55.1 -0.4
CHOS	Chios island	1.38 166 P	Pb	15 00 54.5 -0.3
CHOS	CHOS	AML	AML	15 01 18.0
CHOS	comp=N,2974µm,0.5s	AML	AML	15 01 18.6
CHOS	comp=E,5712µm,0.7s	AML	AML	15 00 54.6 -0.3
CHOS	CHOS	P	Pn	15 01 13.8 -0.4
CHOS	CHOS	S	Sg	15 01 13.8 -0.4
RDO	Rodhopi	1.42 357 PN	Pn	15 00 54.9 -0.4
RDO	RDO	P	Pb	15 00 54.9 -0.4
RDO	Rodhopi	1.42 357 P	Pb	15 00 54.9 -0.4
KRBG	Karabiga-Canak	1.44 62 PN	Pb	15 00 56.2 -0.3
AOS	Alonnisos	1.46 248 P	Pn	15 00 55.5 -0.4
AOS	AOS	P	Pn	15 00 55.5 -0.4
ALNA	Alonnisos	1.46 248 P	Pn	15 00 55.4 -0.6
ALNA	ALNA	S	Pn	15 00 55.4 -0.6
PAIG	Paliouri	1.51 278 P	Pn	15 00 56.1 -0.5
PAIG	PAIG	P	Pn	15 00 56.1 -0.5
KAVA	Kavala	1.52 326 P	Pb	15 00 56.3 -0.4
KAVA	KAVA	S	Sn	15 01 15.5 -1.1
KAVA	KAVA	AML	AML	15 01 20.7
KAVA	comp=E,2142µm,0.3s	AML	AML	15 01 20.7
KAVA	comp=N,1533µm,0.3s	P	Pn	15 00 56.4 -0.4
KAVA	Kavala	1.52 326 P	Sn	15 01 16.3 -0.3
ARK	Sarkoy-Tekirda	1.53 51 PN	Pn	15 00 57.2 -0.2
SART	Tekirdag	1.53 51 P	Pb	15 00 58.2 -0.9
SART	SART	↓/S	Sg	15 01 19.8 +0.9
KVLA	Kavala	1.53 322 P	Pb	15 00 56.6 -0.4
BALY	Balya	1.54 89 ↓/P	Pb	15 00 58.0 -0.2
BALY	BALY	↓/S	Sg	15 01 18.7 -0.4
URLA	Izmir	1.56 151 PN	Pn	15 00 57.3 0.0
URLA	URLA	↓/S	Sn	15 00 57.4 +0.1
URLA	URLA	↓/S	Sn	15 01 17.2 -0.3
GONE	Gonen-Balikesi	1.62 78 PN	Pn	15 00 58.4 +0.4
ZEV	Zmir	1.64 155 ↓/P	Pb	15 01 04.7 -0.4
ZEV	ZEV	↓/S	Sg	15 01 02.9 -0.4
STEP	BALIKESIR_Sava	1.66 102 ↓/P	Pb	15 00 59.5 -0.7
STEP	STEP	↓/S	Pb	15 01 24.4 +1.5
STEP	STEP	IAML_P		
SKIA	Skiathos	1.76 252 P	Pn	15 00 59.5 -0.6
SKIA	SKIA	AML	AML	





Table with columns: BOOM, Boomscode usch, 2.79 269, Pn, 1642 51.2+2.1, etc.

DDA 11 16:42:22.3, 39.78N, 42.61E, h7km, 2km, ML2.7

ISC 11 16:42:22.7, 39.64N, 42.47E, h10km, ML1.9/5

ISC 11 16:42:23.0, 39.64N, 42.47E, h10km, ML1.9/5

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

ISC 11 16:56:25.3, 1.9, 2.32S, 126.35E, h0km, mb2.9/2,

mb1 3.2/3, mb1mx3.1/32, mb1mx3.0/3, ML3.3/1, Error ellipse: s-maj=194.8km s-min=25.4km az=65.0, Ceram Sea

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

ISC/JB 11 16:56:40.1, 0.5, 47.58N, 0.06, 146.78E, 0.1, h403km,

mb3.0/8, Error ellipse: s-maj=11.9km s-min=6.1km az=27.7

ISC 11 16:56:42.1, 1.5, 47.66N, 146.80E, h420km, 18km, mb2.6/8,

mb1 2.9/14, mb1mx2.8/44, mb1mx3.5/14, Error ellipse: s-maj=21.1km s-min=13.1km az=136.0

ISC 11 16:56:40.8, 0.7, 47.49N, 0.09, 146.78E, 0.1, h403km, n29,

az=253/35, mb3.0/8, Northwest of Kuril Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

MEX 11 16:56:54.2, 0.4, 16.43N, 98.52W, h30km, 17km, MD3.5,

Near coast of Guerrero

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

DDA 11 17:03:59.6, 39.09N, 42.07E, h7km, 3km, ML2.7

ISC 11 17:03:59.2, 39.09N, 42.06E, h9km, ML2.2/9

ISC 11 17:03:59.5, 4.1, 39.09N, 0.03, 42.07E, 0.03, h8km, 13km,

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

Table with columns: ADCV, TUTA, TUTA, EAT, EAT, AGRB, KOPRU, HOPR, HOMI, ECAT, AKDM, BNGB, GEVA, SRMT, SVAN, SVAN, SVAN, SIRT, MAZI, PTK, etc.

IDC 11 17:05:47.2, 2.2, 0.75N, 92.81E, h0km, mb3.2/4, mb1 3.4/6,

mb1mx3.3/38, mb1mx3.2/6, ML3.5/2, MS2.9/1, Ms1 2.9/1,

ms1mx2.5/14, Error ellipse: s-maj=57.9km s-min=23.6km az=62.0

ISC 11 17:05:54.5, 1.6, 0.9N, 102.93E, 0.1, h35km, n6, az=178/7,

mb3.2/4, Off west coast of northern Sumatra

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

ISC/JB 11 17:06:38.5, 1.9, 31.48N, 0.09, 115.5W, 0.2, h13km, 26km,

Error ellipse: s-maj=28.2km s-min=6.3km az=151.8

ECX 11 17:06:39.5, 0.3, 31.47N, 115.51W, h7km, MD2.3, ML2.5

MEX 11 17:06:39.6, 3.0, 6.31, 105N, 115.95W, h16km, 99km, MD3.5

ISC 11 17:06:38.4, 1.1, 31.45N, 0.06, 115.53W, 0.06,

h17km, 12km, n9, az=44/14, 4C-3D, Baja California

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

ISC/JB 11 17:45:42.0, 1.2, 42.68N, 79.88E, h20km, mb2.5

NNC 11 17:45:42.0, 1.2, 42.61N, 79.70E, h0km, mb2.9, mpv2.7,

9C-5D, Error ellipse: s-maj=8.0km s-min=4.5km az=132.0, Lake Issyk-Kul region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

ISC 11 17:16:51.4, 1.0, 11.45S, 165.68E, h0km, mb3.8/11,

mb1 4.0/13, mb1mx3.9/40, mb1mx3.9/13, ML4.4/2, Error ellipse: s-maj=32.4km s-min=19.2km az=135.0

ISC/JB 11 17:16:53.6, 0.6, 11.53S, 0.09, 165.6E, 0.1, h24km,

mb4.0/14, Error ellipse: s-maj=14.9km s-min=12.0km

NEIC 11 17:16:53.5, 0.5, 11.43S, 165.65E, h12km, 31km, mb4.6/5,

Error ellipse: s-maj=12.6km s-min=11.6km az=48.0

ISC 11 17:16:54.9, 0.7, 11.57S, 0.08, 165.6E, 0.1, h24km, n22,

az=146/23, mb3.9/14, Santa Cruz Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

ISC 11 17:31:12.2, 2.9, 2.68N, 89.46E, h0km, mb3.7/5, mb1 3.7/6,

mb1mx3.5/43, mb1mx3.6/6, ML3.1/1, Error ellipse: s-maj=93.2km s-min=23.2km az=63.0

ISC/JB 11 17:31:13.2, 1.0, 2.7N, 0.82, 89.72E, 0.1, h10km, mb3.8/5,

Error ellipse: s-maj=24.7km s-min=10.4km az=24.5

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

Table with columns: PALK, CMAR, H0BS3, H0BS2, H0BS1, H0W13, H0W12, H0W11, MKAR, SONM, WRA, ASAR, ZALV, etc.

ISC/JB 11 17:33:53.5, 0.7, 11.51S, 0.09, 165.71E, 0.09, h10km,

mb3.8/8, MS3.6/3, Error ellipse: s-maj=15.1km s-min=9.9km az=37.8

IDC 11 17:33:53.1, 1.1, 11.41S, 165.83E, h0km, mb3.8/8,

mb1 4.0/10, mb1mx3.8/41, mb1mx3.9/10, ML4.1/2, MS3.6/5,

Ms1 3.6/5, ms1mx3.0/29, Error ellipse: s-maj=34.3km s-min=21.7km az=141.0

NEIC 11 17:33:54.8, 0.7, 11.38S, 165.85E, h10km, mb4.6/2, Error ellipse: s-maj=14.7km s-min=13.6km az=108.0

ISC 11 17:33:54.8, 0.8, 11.46S, 0.09, 165.8E, 0.1, h10km, n15,

az=193/15, mb3.8/8, MS3.5/3, Santa Cruz Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.

SOME 11 17:45:41.3, 42.52N, 79.77E, h20km

KRNET 11 17:45:42.0, 1.2, 42.68N, 79.88E, h20km, mb2.5

NNC 11 17:45:42.0, 1.2, 42.61N, 79.70E, h0km, mb2.9, mpv2.7,

9C-5D, Error ellipse: s-maj=8.0km s-min=4.5km az=132.0, Lake Issyk-Kul region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, etc.











MJB9	Matsu-Tunnel	36.15	79	eP	P	19 20 01.4	-1.7
MAJO	Matsushiro	36.15	79	eP	P	19 20 01.4	-1.7
MAJO	Matsushiro	36.15	79	iP	P	19 20 01.4	-1.7
MAT	Matsushiro	36.15	79	P	P	19 20 00.8	-2.3
MAT	Matsushiro	36.16	79	P	P	19 25 46.8	+4.3
MJAR	Matsushiro Arr	36.16	79	P	P	19 20 01.3	-1.9
MJAR	comp=Z,12nm,0.8s,baz=283,slow=9.8,SNR=16			PcP	PcP	19 22 28.8	+0.1
MJAR	comp=Z,6.3nm,0.9s,baz=278,slow=3.4,SNR=7.2			PcP	PcP	19 22 33.6	
MJAR	comp=Z,6.8nm,1.1s,baz=336,slow=2.7,SNR=4.8			LR	LR	19 35 50.1	
SNSI	Sinabang, Aceh	36.16	173	P	P	19 20 04.9	+1.6
GNI	Garni	36.48	288	eP	P	19 20 08.2	+2.2
GNI	comp=Z,20nm,0.9s			LR	LR		
GNI	comp=Z,344nm,22.0s			LR	LR		
GNI	Garni	36.48	288	iP	P	19 20 08.5	+2.5
GNI	SNR=8.5						
GNI	Garni	36.48	288	eP	P	19 20 05.2	-0.8
ZEI	Tsey	36.56	292	eP	P	19 20 06.4	-0.4
ZEI	comp=Z,133nm,1.3s			Pmax	Pmax		
PRGR	Permogore	36.66	324	iP	P	19 20 07.7	+0.6
PRGR	comp=Z,62nm,0.9s			Pmax	Pmax		
NCK	Nalchik	36.66	294	eP	P	19 20 08.0	+0.6
NCK	comp=Z,20nm,0.9s			Pmax	Pmax		
GOF	Goftskoye	36.83	296	eP	P	19 20 10.1	+1.4
GOF	comp=Z,60nm,0.6s			Pmax	Pmax		
KBZ	Khabaz	37.13	294	P	P	19 20 12.3	+1.1
KBZ	comp=Z,9.7nm,0.9s,baz=103,slow=7.1,SNR=16			LR	LR	19 37 05.9	
TYV	Tymovskoe	37.13	54	eS	P	19 20 12.1	+0.9
TYV	comp=Z,19.8s,baz=82,slow=39			P	P	19 26 00.7	+3.7
TYV	comp=Z,40nm,1.2s			Pmax	Pmax		
TYV	comp=Z,300nm,4.4s			Pmax	Pmax		
KIV	Kislovodsk	37.24	295	eP	P	19 20 13.5	+1.1
KIV	comp=N,23nm,0.8s			LR	LR		
KIV	Kislovodsk	37.24	295	iP	P	19 20 13.6	+1.1
KIV	SNR=10						
KIV	Kislovodsk	37.24	295	eP	P	19 20 13.5	+1.1
KIV	comp=Z,29nm,1.0s			Pmax	Pmax		
KIV	Kislovodsk	37.24	295	P	P	19 20 13.7	+1.3
VRH	Novokhoporsky	37.29	307	eP	P	19 20 13.1	+0.6
VRH	comp=Z,100nm,0.6s			Pmax	Pmax		
VRH	comp=Z,400nm,15.0s			MLR	MLR		
NEY	Neytrino	37.33	293	iP	P	19 20 15.4	+2.1
NEY	comp=Z,20nm,1.0s			Pmax	Pmax		
GSI	Gunungsitoli	37.38	171	eP	P	19 20 12.8	-0.9
GSI	comp=Z,12nm,2.4s			Pmax	Pmax		
GSI	Gunungsitoli	37.38	171	P	P	19 20 15.2	+1.5
GSI	comp=Z,340nm,1.4s			Pmax	Pmax		
YSS	Yuzh-Sakhalins	37.41	60	eP	P	19 20 13.3	-0.4
YSS	comp=Z,50nm,1.3s			P	P	19 20 13.0	-0.7
YSS	comp=Z,20nm,1.0s			Pmax	Pmax	19 21 40.1	-7.4
YSS	comp=Z,1µm,12.0s			MLR	MLR		
YSS	comp=N,500nm,13.0s			MLR	MLR		
YSS	comp=E,900nm,11.0s			MLR	MLR		
ASAJ	Asahikawa	37.68	65	P	P	19 20 15.2	-0.8
TIXI	Tiksi	37.98	18	eP	P	19 20 17.9	-0.2
TIXI	comp=E,32nm,0.9s			P	P	19 20 17.9	-0.2
TIXI	Tiksi	37.98	18	eP	P	19 20 17.9	-0.4
TIXI	comp=Z,62nm,1.7s			Pmax	Pmax		
TIXI	comp=Z,684nm,17.0s			MLR	MLR		
TIXI	Tiksi	37.98	18	P	P	19 20 18.1	-0.1
TIXI	comp=Z,23nm,0.8s,baz=220,slow=5.1,SNR=59			P	P	19 20 20.5	+0.6
DOMR	Domбай	38.12	294	P	P	19 20 21.6	+1.3
MNSI	Mandailing Nar	38.16	168	P	P	19 20 21.6	+1.3
ERM	Erimo	38.48	68	eP	P	19 20 22.9	+0.2
ERM	comp=Z,123nm,1.1s			LR	LR		
ERM	Erimo	38.48	68	eP	P	19 20 22.7	0.0
ERM	comp=Z,336nm,20.0s			Pmax	Pmax		
DMTO	DMTO	38.59	248	P	P	19 20 25.3	+1.4
DMTO	comp=Z,199nm,1.7s			P	P	19 20 25.3	+1.4
DMTO	DMTO	38.59	248	P	P	19 26 22.2	+2.6
DMTO	DMTO	38.59	248	P	P	19 26 22.2	+2.6
PBSI	Pulau Batu	38.81	170	P	P	19 20 27.2	+1.5
VORR	Voronezh	38.85	307	eP	P	19 20 25.0	-0.7
VORR	comp=Z,250nm,1.4s			Pmax	Pmax		
BKNI	Bangkinang	38.88	166	P	P	19 20 27.5	+1.2
VSR	Storozhevoye	38.89	307	iP	P	19 20 25.9	-0.2
VSR	comp=Z,158nm,0.9s			Pmax	Pmax		
SIRT	Sirkak	38.91	284	eP	P	19 20 28.7	+2.1
SIRT	comp=Z,87nm,0.8s			P	P	19 20 27.3	+0.3
KKM	Kota Kinabalu	39.04	140	eP	P	19 20 32.1	0.0
KKM	comp=Z,38nm,0.9s			P	P	19 20 32.1	0.0
LPSR	Galich'ya Gora	39.01	309	eP	P	19 20 27.6	+0.6
LPSR	comp=Z,200nm,0.7s			Pmax	Pmax		
LPSR	comp=Z,600nm,11.0s			MLR	MLR		
WHFO	Wadi Hawf	39.32	249	P	P	19 20 30.6	+0.6
WHFO	comp=Z,23nm,0.8s,baz=220,slow=5.1,SNR=59			P	P	19 26 28.8	-2.0
WHFO	WHFO	39.35	322	eP	P	19 20 27.6	+2.2
WHFO	comp=Z,123nm,0.6s			Pmax	Pmax		
WHFO	WHFO	39.35	322	eP	P	19 20 27.7	-2.1
WHFO	comp=Z,123nm,0.7s			P	P	19 20 31.4	
WHFO	WHFO	39.35	322	eP	P	19 22 35.3	-2.6
WHFO	comp=Z,247nm,0.8s			PcP	PcP	19 20 29.5	-1.1
WHFO	WHFO	39.42	295	eP	P	19 22 00.1	0.0
WHFO	comp=Z,15nm,0.6s			Pmax	Pmax	19 26 32.2	+0.3
WHFO	WHFO	39.42	295	eP	P	19 20 28.7	+2.1
WHFO	comp=Z,398nm,0.9s			P	P	19 20 27.3	+0.3
WHFO	WHFO	39.42	295	eP	P	19 20 32.1	0.0
WHFO	comp=Z,200nm,0.7s			Pmax	Pmax	19 20 27.6	+0.6
WHFO	WHFO	39.42	295	eP	P	19 20 28.7	+2.1
WHFO	comp=Z,303nm,14.0s			MLR	MLR	19 20 33.1	-0.6
WHFO	WHFO	39.81	314	eP	P	19 20 33.1	-0.6
WHFO	comp=Z,303nm,14.0s			Pmax	Pmax	19 26 29.6	-7.7
WHFO	WHFO	39.81	314	eP	P	19 20 38.6	
WHFO	comp=Z,300nm,1.1s			Pmax	Pmax	19 26 29.2	-7.7
WHFO	WHFO	39.81	314	eP	P	19 20 38.6	
WHFO	comp=Z,248nm,1.0s			MLR	MLR	19 26 29.2	-7.7
WHFO	WHFO	39.81	314	eP	P	19 20 38.6	
WHFO	comp=E,600nm,11.0s			MLR	MLR	19 26 29.2	-7.7
WHFO	WHFO	39.81	314	eP	P	19 20 38.6	
WHFO	comp=Z,800nm,11.0s			MLR	MLR	19 26 29.2	-7.7
WHFO	WHFO	39.81	314	eP	P	19 20 38.6	
WHFO	comp=Z,27nm,1.2s			P	P	19 20 36.8	+1.3
WHFO	WHFO	40.02	249	P	P	19 20 36.5	+0.5
WHFO	WHFO	40.02	249	S	S	19 26 41.4	-0.1

SISI	Saibi	40.17	169	P	P	19 20 38.5	+1.4
SISI	comp=Z,31nm,0.9s			P	P		
SBUU	Sibu	40.28	148	eP	P	19 20 38.7	+0.7
SBUU	comp=Z,37nm,1.3s			P	P		
OBN	Obninsk	40.40	313	eP	P	19 20 39.5	+0.9
OBN	comp=Z,111nm,1.0s			LR	LR		
OBN	comp=Z,460nm,20.0s			LR	LR		
OBN	Obninsk	40.40	313	iP	P	19 20 39.2	+0.7
OBN	comp=Z,138nm,1.1s			P	P	19 20 44.0	
OBN	Obninsk	40.40	313	iP	P	19 22 13.8	
OBN	Obninsk	40.40	313	iP	P	19 22 40.6	
OBN	comp=Z,138nm,1.1s			Pmax	Pmax		
OBN	comp=Z,538nm,18.0s			MLR	MLR		
KSM	Kuching	40.42	152	eP	P	19 20 39.7	+0.5
TMCR	Tamitsa	40.67	327	eP	P	19 20 41.5	+0.9
TMCR	comp=Z,118nm,1.0s			Pmax	Pmax		
ANN	Anapa	40.80	297	eP	P	19 20 42.1	+0.1
ANN	comp=Z,96nm,1.0s			eS	eS	19 26 53.4	+1.2
ANN	ANN	40.80	297	eP	P	19 29 53.6	+0.2
ANN	ANN	40.80	297	eP	P		
ANN	ANN	40.80	297	eP	P		
JMBI	Jambi	41.33	163	P	P	19 20 47.7	+1.1
JMBI	comp=Z,392nm,13.0s			P	P		
PPSI	Pulau Pagai	41.72	168	P	P	19 20 51.2	+1.4
PPSI	comp=Z,106nm,0.2s			P	P		
MA2	Magadan	42.01	40	eP	P	19 20 52.7	+0.9
MA2	comp=Z,47nm,0.9s			PcP	PcP	19 22 45.9	-0.7
MA2	comp=Z,131nm,19.0s			LR	LR		
MA2	Magadan	42.01	40	eP	P	19 20 51.9	+0.1
MA2	comp=Z,99nm,1.7s			Pmax	Pmax		
MA2	Magadan	42.01	40	P	P	19 20 52.1	+0.4
MA2	comp=Z,34nm,0.8s,baz=268,slow=7.3,SNR=56			PcP	PcP	19 22 45.9	-0.7
PPBI	Pangkal Pinang	42.48	159	P	P	19 20 56.9	+0.9
PPBI	comp=Z,17nm,0.8s,baz=183,slow=1.6,SNR=7.6			P	P		
LVZ	Lovozero	42.84	332	eP	P	19 20 59.2	+0.7
LVZ	comp=Z,19nm,1.3s			LR	LR		
LVZ	Lovozero	42.84	332	eP	P	19 20 59.2	+0.7
LVZ	comp=Z,542nm,20.0s			Pmax	Pmax		
SEY	Seymchan	43.04	36	eP	P	19 21 01.4	+1.3
SEY	comp=Z,24nm,0.9s,baz=260,slow=6.5,SNR=105			P	P	19 21 00.8	-0.7
SEY	Seymchan	43.04	36	eP	P	19 22 49.8	-0.1
SEY	comp=Z,5.3nm,0.8s,baz=315,slow=4.3,SNR=3.6			PcP	PcP	19 21 01.6	+0.9
SIM	Simferopol'	43.08	298	eP	P	19 21 02.6	+1.1
SIM	comp=Z,29nm,1.0s			eS	eS	19 27 28.0	+1.9
KCP	Kidapawan	43.15	128	eP	P	19 21 02.6	+1.1
KCP	comp=Z,29nm,1.0s			P	P	19 21 01.0	-0.6
APA	Apatity	43.23	331	iP	P		
APA	comp=Z,21nm,0.8s			Pmax	Pmax		
DAV	Davay City (W)	43.40	128	PFAKE	LR	19 21 10.0	+6.4
DAV	comp=Z,1µm,16.0s			LR	LR		
PUL	Pulkovo	43.81	320	eP	P	19 21 07.4	+1.1
PUL	comp=Z,439nm,19.0s			Pmax	Pmax		
PUL	Pulkovo	43.81	320	eP	P	19 21 07.2	+0.9
PUL	comp=Z,110nm,0.4s			P	P	19 21 11.0	+1.0
MDSI	Maura Dua	44.21	163	P	P	19 21 13.3	+2.0
MDSI	comp=Z,13nm,0.9s,comp=Z,796nm			eP	eP	19 21 13.3	+2.0
ILGA	Ilgaz	44.35	293	eP	P	19 21 13.3	+2.0
ILGA	comp=Z,66nm,0.8s			P	P	19 21 14.9	+0.9
LWLI	Lwiza	44.70	163	P	P	19 21 15.9	+1.1
LWLI	comp=Z,29nm,0.8s,comp=Z,5µm			P	P	19 21 15.9	+1.1
BR131	Keskin Array S	44.81	291	eP	P	19 21 15.9	+1.1
BR131	comp=Z,29nm,0.8s,comp=Z,5µm			P	P	19 21 15.9	+1.1
BR131	Keskin Array S	44.81	291	P	P	19 21 16.0	+1.1
BR131	comp=Z,29nm,0.8s,comp=Z,5µm			P	P	19 22 58.0	
BRTR	Keskin Array B	44.81	291	P	P		
BRTR	comp=Z,33nm,0.8s			Pmax	Pmax		

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like LTVH, PGB, GZR, BKSI, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like BRG, GROS, GEC2, etc.

Table with columns for station call letters, name, frequency, and other technical details. Includes stations like AVF, VIVF, BVF, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like TORO, FCC, STKA, SCHO, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ALFO, F51A, PEMO, etc.

PRU 11 19:19:18.4,0.0,49.30N:-18.71E, h0km, Czech and Slovak Republics

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, and other technical details. Includes stations like OKC, MORC, etc.

Table with columns: Call sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like IRIF, IRIF, HATJ, etc.

IDC 11 19:29:51.3,5.2,5.06S:-145.79E, h179km, mb3.4/4, mb1 3.5/6, mb1mx3.1/35, mbtmp3.8/6, Error ellipse: s-maj=54.2km s-min=21.0km az=105.0, Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, and other technical details. Includes stations like JAY, WRA, ASAR, etc.

SOME 11 19:40:36.1,41.17N:-76.52E, h5km, KNET 11 19:40:37.4,0.1,41.22N:-76.42E, h17km, mb3.5, NNC 11 19:40:38.0,0.8,41.22N:-76.52E, h0km, mb4.1, mpv3.8, Error ellipse: s-maj=6.6km s-min=4.0km az=144.0, KNET 11 19:40:39.4,0.5,41.33N:-76.30E, h2km, mb3.0, m3.0, Error ellipse: s-maj=3.2km s-min=3.1km az=87.0, ISC 11 19:40:37.0,1.4,41.24N:-76.48E, h0.02, h0km, mb1.1km, n89, r19/137, 47C-35D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase, ID, Time, Res, and other technical details. Includes stations like NRN, NRN, ULHL, etc.









PSUT	Pine Spring	89.57	51	eP	P	20 22 52.3	-1.1
LCMT	Little Creek M	89.66	52	eP	P	20 22 52.5	-1.3
CCUT	Cedar City	89.70	52	eP	P	20 22 55.5	+1.4
NEW	Newport	89.89	41	LR	LR	20 58	12.8
SZCU	Shurtz Canyon	89.92	52	eP	P	20 22 53.5	-1.7
KNB	Kanab	89.99	52	eP	P	20 22 53.6	-1.8
KNB	Kanab	89.99	52	eP	P	20 22 55.6	+0.2
INK	Inuvik	90.00	19	LR	LR	20 59	20.9
U15A	North Rim	90.26	53	eP	P	20 22 55.7	-1.1
JBP	Jabalpur	90.31	293	eS	PP	20 23 00.2	+3.3
JBP	Jabalpur	90.31	293	eS	PP	20 26 24.7	-6.5
HLID	Hailey	90.43	46	eP	P	20 22 56.0	-1.3
HLID	Hailey	90.43	46	eP	P	20 22 57.1	-0.1
HYB	Hyderabad	90.47	288	iP	SKS	20 23 00.0	+2.1
HYB	Hyderabad	90.47	288	iP	SKS	20 23 28.0	-1.4
X16A	Lo Mia Camp, P	90.48	55	eP	P	20 22 57.6	-0.2
PKCU	Pink Cliffs	90.49	52	eP	P	20 22 56.6	-1.3
TUC	Tucson	90.55	57	eP	P	20 22 57.2	-0.8
TUC	Tucson	90.55	57	eP	P	20 22 57.2	-0.8
TUC	Tucson	90.55	57	eP	P	20 22 57.2	-0.8
TUC	Tucson	90.55	57	eP	P	20 22 57.2	-0.8
TCRU	Three Creeks R	90.65	51	eP	P	20 22 56.0	-2.6
MTPU	Mount Pierson	90.72	51	eP	P	20 22 58.1	-0.9
DUG	Dugway, Tooele	90.75	49	PFAKE	LR	20 23	10.0 +1.1
BGU	Big Grassy Mou	90.77	49	eP	P	20 22 58.3	-0.6
WUAZ	Wupatki	90.78	54	eP	P	20 22 56.1	-3.0
WUAZ	Wupatki	90.78	54	eP	P	20 22 59.7	+0.6
DGZ	Jazzator, Alta	90.83	321	iP	Pmax	20 22 58.9	-0.1
MSU	Marysville	90.84	51	eP	P	20 22 59.2	-0.2
HVU	Hansel Valley	91.16	48	eP	P	20 22 59.9	-0.8
HVU	Hansel Valley	91.16	48	eP	P	20 23 01.2	+0.5
NLU	North Lily Min	91.25	50	eP	P	20 23 02.9	+1.7
319A	Douglas	91.60	58	eP	P	20 23 01.6	-1.4
DGAR	Diego Garcia	91.64	262	PFAKE	LR	20 23	10.0 +6.7
TMUT	Trail Mountain	91.75	50	eP	P	20 23 07.6	+3.8
MCMT	McKenzie Canyo	91.83	45	eP	P	20 23 02.4	-1.5
JLU	Jordanelle	91.86	49	eP	P	20 23 08.0	+3.9
HWUT	Hardware Ranch	92.00	48	PFAKE	LR	20 23	10.0 +5.3
DLMT	Dillon	92.13	44	eP	P	20 23 03.4	-1.7
WALA	Waterton Lakes	92.15	40	eP	P	20 23 04.5	-0.6
LRM	Limekiln Ridge	92.34	44	eP	P	20 23 05.8	-0.4
AHID	Alburn Hatcher	92.59	47	PFAKE	LR	20 23	20.0 +1.3
FXWY	Fox Creek	92.83	46	eP	P	20 23 08.8	+0.3
BOZ	Bozeman (W)	92.84	44	eP	P	20 23 06.1	-2.3
BOZ	Bozeman (W)	92.84	44	eP	P	20 23 06.1	-2.3
BOZ	Bozeman (W)	92.84	44	eP	P	20 23 09.2	+0.7
IMW	Indian Meadow	92.95	46	eP	P	20 23 06.9	-2.2
LOHW	Long Hollow	93.13	46	eP	P	20 23 08.6	-1.3
FLWY	Flagg Ranch	93.16	46	eP	P	20 23 13.4	+3.4
PV17	Paradise Valley	93.26	52	eP	P	20 23 06.3	-4.3
H17A	Grant Village	93.31	46	eP	P	20 23 08.7	-2.0
PV04	Paradox Valley	93.32	52	eP	P	20 23 08.8	-2.0
MVCO	Mesa Verde	93.40	53	PFAKE	LR	20 23	20.0 +8.7
MK01	Makanchi Array	93.43	317	eP	P	20 23 08.0	-2.9
MK31	Makanchi Array	93.44	317	eP	P	20 23 09.2	-1.8
MK31	Makanchi Array	93.44	317	eP	P	20 23 10.7	-0.3
MK32	Makanchi Array	93.44	317	eP	P	20 23 10.1	-0.9
MK32	Makanchi Array	93.44	317	eP	P	20 24 16.5	-1.6
MKAR	Makanchi Array	93.44	317	eP	P	20 23 09.2	-1.8
MKAR	Makanchi Array	93.44	317	eP	P	20 24 16.5	-1.6
MKAR	Makanchi Array	93.44	317	eP	P	20 23 10.7	-0.3
MKAR	Makanchi Array	93.44	317	eP	P	20 23 10.0	-0.9
MKAR	Makanchi Array	93.44	317	eP	P	20 24 16.5	-1.6
MKAR	Makanchi Array	93.44	317	eP	P	21 04	46.4
LKWY	Lake	93.47	45	PFAKE	LR	20 23	20.0 +8.5
ZAA0	Zalesovo Array	93.50	324	eP	P	20 23 09.0	-2.0
ZALV	Zalesovo Beam	93.50	324	eP	P	20 23 08.1	-2.9
ZALV	Zalesovo Beam	93.50	324	eP	P	20 24 18.2	0.0
ZALV	Zalesovo Beam	93.50	324	eP	P	20 23 10.3	-0.7
ZALV	Zalesovo Beam	93.50	324	eP	P	20 24 18.2	0.0
ZALV	Zalesovo Array	93.50	324	eP	P	21 05	23.1
ZAA1	Zalesovo Array	93.50	324	eP	P	20 23 10.3	-0.7
BW06	Boulder Array	93.70	47	PFAKE	LR	20 23	20.0 +7.4
PD31	Pinedale Array	93.70	47	eP	P	20 23 11.5	-1.1
PDAR	Pinedale Array	93.70	47	eP	P	20 23 10.8	-1.8
PDAR	Pinedale Array	93.70	47	eP	P	20 26 58.2	+0.3
PDAR	Pinedale Array	93.70	47	eP	P	20 23 12.6	0.0
PDAR	Pinedale Array	93.70	47	eP	P	20 26 58.2	+0.3
RLMT	Red Lodge	94.38	45	PFAKE	LR	20 23	30.0 +1.4
NVS	Novosibirsk	94.60	325	iP	P	20 23 23.6	+7.6
ANMO	Albuquerque	94.61	55	PFAKE	P	20 23 30.0	+1.3

ANMO	comp=Z,1µm,20.0s						
EGMT	Eagleton	94.61	42	eP	P	20 23 14.8	-1.6
EGMT	Eagleton	94.61	42	eP	P	20 23 17.0	+0.6
EGMT	Eagleton	94.61	42	eP	P	20 23 16.1	-2.1
MNTX	Cornudas Mount	94.93	59	eP	P	20 23 17.9	-0.2
MNTX	Cornudas Mount	94.93	59	eP	P	20 23 15.5	-2.6
MNTX	Cornudas Mount	94.93	59	eP	P	20 58	58.3
YKA	Yellowknife Ar	95.09	27	P	P	20 23 14.4	-3.7
YKBS	Yellowknife Ar	95.09	27	eP	P	20 23 30.0	+8.9
PMSA	Palmer Station	95.73	161	PFAKE	LR	20 23	30.0 +7.4
SDCO	Great Sand Dun	95.85	53	PFAKE	LR	20 23	23.2 0.0
SDCO	Great Sand Dun	95.85	53	PFAKE	LR	20 27	15.8 -0.2
LTX	Lajitas	96.00	61	eP	P	20 27	23.2 0.0
LTX	Lajitas	96.00	61	eP	P	20 23	23.2 0.0
LTX	Lajitas	96.00	61	eP	P	20 27	15.8 -0.2
TXAR	Lajitas Array	96.00	61	eP	P	20 27	15.8 -0.2
TXAR	Lajitas Array	96.00	61	eP	P	20 23	30.0 +6.3
ISCO	Idaho Springs	96.09	51	PFAKE	LR	21	03 45.4
ISCO	Idaho Springs	96.09	51	PFAKE	LR	20 23	20.8 -3.9
NRIK	Noril'sk	96.11	340	LR	LR	20 23	26.3 +2.3
Q24A	Divide	96.31	52	eP	P	20 34	00.1 +0.2
NVL	N'lazarevskaya	96.40	188	eP	P	20 23	26.3 +2.3
NVL	N'lazarevskaya	96.40	188	eP	P	20 34	00.1 +0.2
NVL	N'lazarevskaya	96.40	188	eP	P	20 23	26.3 +2.3
NVL	N'lazarevskaya	96.40	188	eP	P	20 34	00.1 +0.2
KURK	Kurchatov	96.57	320	PFAKE	LR	20 23	26.4 +1.3
KURK	Kurchatov	96.57	320	PFAKE	LR	20 23	26.4 +1.3
KURK	Kurchatov	96.57	320	PFAKE	LR	20 23	26.4 +1.3
KURK	Kurchatov	96.57	320	PFAKE	LR	20 23	26.4 +1.3
KSH	Kashi	96.66	309	PP	PP	20 23	28.0 +2.0
KSH	Kashi	96.66	309	PP	PP	20 27	26.6 +5.8
KSH	Kashi	96.66	309	PP	PP	20 34	03.7 +1.1
KSH	Kashi	96.66	309	PP	PP	20 34	45.9 -1.2
KSH	Kashi	96.66	309	PP	PP	20 34	49.1 +1.6
KSH	Kashi	96.66	309	PP	PP	20 41	24.7 +2.8
KSH	Kashi	96.66	309	PP	PP	20 23	28.0 +2.0
KSH	Kashi	96.66	309	PP	PP	20 27	26.6 +5.8
KSH	Kashi	96.66	309	PP	PP	20 34	03.7 +1.1
KSH	Kashi	96.66	309	PP	PP	20 34	45.9 -1.2
KSH	Kashi	96.66	309	PP	PP	20 34	49.1 +1.6
KSH	Kashi	96.66	309	PP	PP	20 41	24.7 +2.8
KSH	Kashi	96.66	309	PP	PP	20 23	28.0 +2.0
KSH	Kashi	96.66	309	PP	PP	20 27	26.6 +5.8
KSH	Kashi	96.66	309	PP	PP	20 34	03.7 +1.1
KSH	Kashi	96.66	309	PP	PP	20 34	45.9 -1.2
KSH	Kashi	96.66	309	PP	PP	20 34	49.1 +1.6
KSH	Kashi	96.66	309	PP	PP	20 41	24.7 +2.8
KSH	Kashi	96.66	309	PP	PP	20 23	28.0 +2.0
KSH	Kashi	96.66	309	PP	PP	20 27	26.6 +5.8
KSH	Kashi	96.66	309	PP	PP	20 34	03.7 +1.1
KSH	Kashi	96.66	309	PP	PP	20 34	45.9 -1.2
KSH	Kashi	96.66	309	PP	PP	20 34	49.1 +1.6
KSH	Kashi	96.66	309	PP	PP	20 41	24.7 +2.8
KSH	Kashi	96.66	309	PP	PP	20 23	28.0 +2.0
KSH	Kashi	96.66	309	PP	PP	20 27	26.6 +5.8
KSH	Kashi	96.66	309	PP	PP	20 34	03.7 +1.1
KSH	Kashi	96.66	309	PP	PP	20 34	45.9 -1.2
KSH	Kashi	96.66	309	PP	PP	20 34	49.1 +1.6
KSH	Kashi	96.66	309	PP	PP	20 41	24.7 +2.8
KSH	Kashi	96.66	309	PP	PP	20 23	28.0 +2.0
KSH	Kashi	96.66	309	PP	PP	20 27	26.6 +5.8
KSH	Kashi	96.66	309	PP	PP	20 34	03.7 +1.1
KSH	Kashi	96.66	309	PP	PP	20 34	45.9 -1.2
KSH	Kashi	96.66	309	PP	PP	20 34	49.1 +1.6
KSH	Kashi	96.66	309	PP	PP	20 41	24.7 +2.8
KSH	Kashi	96.66	309	PP	PP	20 23	28.0 +2.0
KSH	Kashi	96.66	309	PP	PP	20 27	26.6 +5.8
KSH	Kashi	96.66	309	PP	PP	20 34	03.7 +1.1
KSH	Kashi	96.66	309	PP	PP	20 34	45.9 -1.2
KSH	Kashi	96.66	309	PP	PP	20 34	49.1 +1.6
KSH	Kashi	96.66	309	PP	PP	20 41	24.7 +2.8
KSH	Kashi	96.66	309	PP	PP	20 23	28.0 +2.0
KSH	Kashi	96.66	309	PP	PP	20 27	26.6 +5.8
KSH	Kashi	96.66	309	PP	PP	20 34	03.7 +1.1
KSH	Kashi	96.66	309	PP	PP	20 34	45.9 -1.2
KSH	Kashi	96.66	309	PP	PP	20 34	49.1 +1.6
KSH	Kashi	96.66	309	PP	PP	20 41	24.7 +2.8
KSH	Kashi	96.66	309	PP	PP	20 23	28.0 +2.0
KSH	Kashi	96.66	309	PP	PP	20 27	26.6 +5.8
KSH	Kashi	96.66	309	PP	PP	20 34	03.7 +1.1
KSH	Kashi	96.66	309	PP	PP	20 34	45.9 -1.2
KSH	Kashi	96.66	309	PP	PP	20 34	49.1 +1.6
KSH	Kashi	96.66	309	PP	PP	20 41	24.7 +2.8
KSH	Kashi	96.66	309	PP	PP	20 23	28.0 +2.0
KSH	Kashi	96.66	309	PP	PP	20 27	26.6 +5.8
KSH	Kashi	96.66	309	PP	PP	20 34	03.7 +1.1
KSH	Kashi	96.66	309	PP	PP	20 34	45.9 -1.2
KSH	Kashi	96.66	309	PP	PP	20 34	49.1 +1.6
KSH	Kashi	96.66	309	PP	PP	20 41	24.7 +2.8
KSH	Kashi	96.66	309	PP	PP	20 23	28.0 +2.0
KSH	Kashi	96.66	309	PP	PP	20 27	26.6 +5.8
KSH	Kashi						

Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, h, m, s, ISC. Includes stations like UPC Upipe, MBAR Mbarara, ANWB Willy Bob, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, h, m, s, ISC. Includes stations like JYNG Yonagunijimaku, YOJ Yonaguni jima, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, h, m, s, ISC. Includes stations like TWT Tachien, WLTB Daxi, TDCB Techi, etc.

GUC 11 20:22:19.5-0.5, 31.48S:70:56W, h86km, 12km, ML2.9
SJA 11 20:22:20.2-1.1, 31.48S:70:62W, h27km, 4km, ML2.8, MW3.1

ISC 11 20:22:22.8-1.4, 31.49S:0:03:70:52W, 0.04, h33km, 4km, n21, f154/34, 6C-8D, Chile-Argentina border region

Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, h, m, s, ISC. Includes stations like CMCH Combarbala, RTLS Leocinto, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, h, m, s, ISC. Includes stations like NNSB Datong, NNS Nan Shan, etc.

Table with columns: Code, Station Name, Az, El, Op, Phase, ISC, Time, Res, h, m, s, ISC. Includes stations like WGT Gung, WGL Gung, etc.









11d 23h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like ARKAR Akbulak array, ARU Arti, PETK Petropavlovsk, etc.

ISCJB 11 23:13:49.9-0.7, 5.11S:0.04x139.92E:0.09, h10km, mb3.8/4, Error ellipse: s-maj=12.8km s-min=5.9km az=177.1

ISC 11 23:13:49.2-1.5:0.1S:140.14E, h0km, mb3.6/2, mb1.4/1.9, mb1mx3.9/29, mbtmp4.0/9, ML4.1/7, Error ellipse: s-maj=10.1km s-min=18.5km az=99.0

NEIC 11 23:13:59.6-0.7, 5.01S:140.17E, h10km, mb4.0/8, Error ellipse: s-maj=14.9km s-min=9.1km az=91.0

ISC 11 23:13:49.9-0.8, 5.11S:0.06x140.00E:0.09, h10km, n26, c336/35, mb4.1/4, Irian Jaya

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like JAY Jayapura, JAY 17nm,0.3s, etc.

ISC 11 23:21:08.7-60.0, 42.72N:146.35E, h0km, mb3.3/3, mb1.3/4.3, mb1mx3.2/32, mbtmp3.3/3, Error ellipse: s-maj=1370.0km s-min=81.3km az=157.0

SKHL 11 23:21:15.7-0.9, 42.83N:146.27E, h66km, 1km, mb4.1/5, MOS 11 23:21:15.3-1.4, 42.79N:146.28E, h7km, mb4.2/1, Error ellipse: s-maj=44.5km s-min=13.9km az=102.5

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like GLVR 570nm,0.3s, GLVR 310nm,0.3s, etc.

ISC 11 23:26:14.2-2.6:0.4S:130.15E, h0km, mb3.8/1, mb1.3/6.4, mb1mx3.3/39, mbtmp3.4/4, ML3.3/3, MS3.6/1, Ms1 3.6/1, ms1mx2.8/30, Error ellipse: s-maj=98.6km s-min=27.0km az=77.0, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

ISC 11 23:27:51.9-3.6, 16.54S:173.54W, h0km, mb3.4/3, mb1.3/8.3, mb1mx3.5/28, mbtmp3.4/3, Error ellipse: s-maj=452.2km s-min=30.6km az=157.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

DJA 11 23:28:07.6-1.1, 10.3S:107.08E, h10km, M4.1/6,

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like mb4.3/1, MLV4.0/6, South of Jawa, etc.

ISC 11 23:30:28.6-3.1, 10.94S:165.75E, h0km, mb3.8/3, mb1.4/0.4, mb1mx3.6/37, mbtmp3.9/4, ML4.0/1, Error ellipse: s-maj=65.9km s-min=41.9km az=88.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like DZM Mt Dzumac, WRA Warramunga Arr, etc.

ISC 11 23:37:10.9-1.5, 11.38S:165.81E, h0km, mb4.0/9, mb1.4/2.10, mb1mx3.9/41, mbtmp4.1/10, ML4.2/1, MS3.4/7, Ms1 3.4/7, ms1mx3.1/27, Error ellipse: s-maj=43.6km s-min=22.3km az=121.0

ISCJB 11 23:37:14.8-1.1, 11.5S:0.1x165.8E:0.2, h37km, mb3.9/8, MS3.5/6, Error ellipse: s-maj=24.8km s-min=16.1km az=6.3

ISC 11 23:37:16.5-1.2, 11.4S:0.1x165.8E:0.2, h37km, n22, r133/10, mb3.9/8, MS3.4/5, Santa Cruz Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like HNR Honiara, DZM Mt Dzumac, CTA Charters Tower, etc.

SOME 11 23:38:44.9, 41.88N:79.75E, h15km, NINC 11 23:38:44.7, 41.41S:90N:79.71E, h0km, 11km, mb2.8, mbp2.8/9, Error ellipse: s-maj=10.0km s-min=8.2km az=3.0

ISC 11 23:38:43.9-3.3, 41.87N:101.70E:0.07, h2km, 16km, n32, c095/51, 3C-1D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like UZB Uzunbulak, UZB Ketmen, etc.

ISC 11 23:38:43.9-3.3, 41.87N:101.70E:0.07, h2km, 16km, n32, c095/51, 3C-1D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like KURS Kuram, KURS Kuram, etc.

TNSS Tian-Shan 2.37 300 eP P 23 39 28.1 +0.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TNS5, MNBS Baschi, DJR Jarkent, etc.

MEX 11 23:38:49.3±0.4, 16:02N:97.09W, h43km, 3km, MD3.7, Oaxaca. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

KRSC 11 23:42:21.8±1.1, 55.07N:161.53E, h103km, 15km, ML3.6, Near east coast of Kamchatka Peninsula. Table with columns: Code, Station Name, Az, Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H11S1 WAKE ISLAND Hy 29.55, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like H11S1 WAKE ISLAND Hy 29.57, WRAB Tennant Creek, etc.

ISCJB 11 23:54:46.5±0.8, 11.1S:0.1x165.9E:0.2, h10km, mb4.0/1.0, MS3.3/2, Error ellipse: s-maj=25.9km s-min=17.0km az=35.1

IDC 11 23:54:46.4±0.8, 11.03S:165.97E, h0km, mb4.1/1.0, mb1 4.3/1.0, mb1mx4.0/2.9, mbtmp4.0/1.0, MS3.5/4, MS1 3.4/4, ms1mx3.0/2.3, Error ellipse: s-maj=31.1km s-min=20.4km az=127.0

ISC 11 23:54:48.0±0.8, 11.0S:0.2x166.0E:0.2, h10km, n17, r1512/12, mb3.9/10, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR Honiara, DZM Mont Dzumac, URZ Stephens Creek, etc.

IDC 12 00:05:19.6±3.5, 11.14N:165.98E, h0km, mb3.7/4, mb1 3.9/4, mb1mx3.6/2.4, mbtmp3.6/4, Error ellipse: s-maj=146.7km s-min=31.5km az=136.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

IDC 12 00:09:20.5±2.2, 8.07S:121.19E, h0km, mb3.5/1, mb1 3.7/3, mb1mx3.4/2.4, mbtmp3.5/3, ML3.6/2, Error ellipse: s-maj=254.8km s-min=27.5km az=54.0, Flores region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Honiara, ASAR Alice Springs, etc.

NNC 12 00:26:38.8±3.8, 43.85N:82.78E, h0km, mb2.7, mpv2.6, Error ellipse: s-maj=31.8km s-min=9.4km az=126.0

SOME 12 00:26:42.3, 43.92N:82.52E, h15km, Error ellipse: s-maj=22.2km s-min=14.0, Error ellipse: s-maj=12.8km s-min=11.0km az=80.0

ISC 12 00:26:39.3±2.3, 43.88N:0.08:82.7E:0.1, h10km, n19, r1520/32, 4C-8D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KTMS Ketmen, DJR Jarkent, PDGK Podgornoye, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UZB Uzynbulak, UZB Uzynbulak, UZB Uzynbulak, etc.

PRU 12 00:27:39.3±0.0, 49.78N:18.49E, h0km, Czech and Slovak Republics

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like OKC Ostrava-Krasne, DPC Dobruska-Polom, DPC Ujpec, etc.

MEX 12 00:36:10.5±0.9, 19.39N:104.76W, h40km, MD3.5, Near coast of Jalisco

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like R15V R15V, EZSV EZSV, etc.

MEX 12 00:47:58.9±0.6, 19.18N:104.77W, h35km, 20km, MD3.8, Near coast of Jalisco

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CJM Chabela, R15V R15V, EZSV EZSV, etc.

SOME 12 01:01:52.9, 42.53N:79.57E, h15km, NNC 12 01:01:52.7±0.8, 42.55N:79.58E, h0km, mb3.4, mpv3.2, Error ellipse: s-maj=5.0km s-min=2.7km az=138.0

KRNET 12 01:01:52.6±0.1, 42.53N:79.54E, h10km, mb3.2, 32C-13D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like UZB Uzynbulak, UZB Uzynbulak, UZB Uzynbulak, etc.

12d 1h

Table with columns: DJR, Jarkent, 1.80, 3, eP, Pb, 01 02 25.6 -0.1, etc. Lists various stations and their parameters.

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Table with columns: KZA, Kyzart, 3.29, 264, fP, Pn, 01 02 47.4 +2.9, etc. Lists various stations and their parameters.

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Table with columns: H11S2, WAKE ISLAND Hy 33.98, 166, T, P, 02 02 51.4, etc. Lists various stations and their parameters.

MTVZ	Mangateitei	21.87	194	P	P	01 28 08.4	-1.1
KAHZ	Kahurangi	21.98	191	P	P	01 28 09.6	-0.9
PKE	Pukeiti	22.07	197	P	P	01 28 14.4	+3.1
KHEZ	Kahui Hut	22.15	197	P	P	01 28 14.6	+2.4
NBEZ	Neuall Road No	22.17	197	P	P	01 28 15.2	+3.0
PKZ	Pawatai	22.21	191	P	P	01 28 17.7	+0.8
NMEZ	Namu Road	22.30	197	P	P	01 28 16.1	+2.8
WPHZ	Waipukurau	22.32	192	P	P	01 28 13.9	+0.4
WAZ	Wanganui	22.34	195	P	P	01 28 13.0	-0.7
PRHZ	Porangahau	22.48	191	P	P	01 28 13.7	-1.3
PHZ	Dannevirke	22.60	192	P	P	01 28 14.7	-1.4
OHVZ	Ohakea	22.69	194	P	P	01 28 12.7	-0.8
ANWZ	Angora Road	22.70	191	P	P	01 28 16.0	-0.9
POWZ	Post Office Ro	22.77	193	P	P	01 28 17.1	-0.4
BFZ	Birch Farm	22.95	192	eP	P	01 28 17.6	-1.6
	comp=Z,199nm,0.8s						
MNZ	Mangaitainaka R	23.07	193	P	P	01 28 18.5	-1.7
HNR	Honiara	23.25	289	eP	P	01 28 20.0	-0.1
HNR	Honiara	23.25	289	eP	P	01 28 20.0	-1.2
	comp=Z,340nm,0.6s,baz=205,slo=6.3,SNR=29						
SNZO	South Karori	23.88	194	eP	P	01 28 26.3	-1.1
	comp=Z,522nm,0.6s						
SNZO	Lord Howe Isla	24.72	233	eP	P	01 32 06.6	+0.2
	comp=Z,244nm,0.8s						
THZ	Topouze	24.76	197	eP	P	01 28 34.0	-1.3
	comp=Z,148nm,0.7s						
KHZ	Kahutara	25.21	195	eP	P	01 28 37.9	-1.2
	comp=Z,233nm,0.9s						
KHZ	Kahutara	25.21	195	eP	S	01 32 27.9	+0.8
	comp=Z,233nm,0.9s						
LTZ	Lake Taylor	25.88	197	eP	S	01 28 43.8	-1.4
	comp=Z,235nm,0.6s						
LTZ	Lake Taylor	25.88	197	eP	S	01 28 43.8	-1.4
	comp=Z,235nm,0.6s						
INBZ	Inghonnie	26.05	198	P	P	01 28 45.8	-0.9
AMCZ	Amberley	26.14	196	P	P	01 28 46.6	-1.0
OXZ	Oxford	26.45	197	eP	P	01 28 48.9	-1.2
	comp=Z,238nm,0.7s						
OXZ	Oxford	26.45	197	eP	P	01 28 48.5	-1.6
	comp=Z,238nm,0.7s						
CRZL	Canterbury Las	26.52	196	eP	P	01 28 49.7	-1.1
	comp=Z,11m,0.6s						
CRZL	Canterbury Las	26.52	196	eP	P	01 28 49.9	-0.8
	comp=Z,11m,0.6s						
OKCZ	Okains Bay	26.55	195	P	P	01 28 50.7	-0.4
WVZ	Waikata Valley	26.59	199	P	P	01 28 51.0	-0.4
MGZ	McQueen's Vall	26.64	195	eP	P	01 28 50.7	-1.0
	comp=Z,439m,0.6s						
MGZ	McQueen's Vall	26.64	195	eP	S	01 32 49.1	-0.5
	comp=Z,439m,0.6s						
AKCZ	Akaroa Harbour	26.73	195	P	P	01 28 52.6	-0.1
PAE	Paea	26.89	93	eP	P	01 28 54.8	+0.5
	comp=Z,18nm,1.2s						
PAE	Paea	26.89	93	eP	P	01 28 54.8	+0.5
	comp=Z,18nm,1.2s						
PP2T	Papeete	26.90	93	eP	P	01 28 55.4	+0.9
	comp=Z,122nm,1.2s						
PP2T	Papeete	26.90	93	eP	P	01 30 13.7	-5.7
	comp=Z,103nm,1.3s						
PP2T	Papeete	26.90	93	eP	S	01 34 48.8	-1.4
	comp=Z,80nm,1.1s						
PPT	Papeete	26.90	93	eP	P	01 28 55.2	+0.7
	comp=Z,111nm,1.0s,baz=12,slo=3.9,SNR=9.8						
PPT	Papeete	26.90	93	eP	S	01 34 54.5	+4.3
	comp=Z,74nm,0.9s,baz=233,slo=20,SNR=8.4						
PPT	Pamatai, Papee	26.91	93	eP	P	01 28 55.9	+1.3
	comp=Z,152nm,1.1s						
PPFT	Rata Peaks	27.08	198	eP	pwP	01 30 24.9	-1.8
	comp=Z,124nm,0.6s						
RPZ	Rata Peaks	27.08	198	eP	S	01 32 52.2	-4.5
	comp=Z,124nm,0.5s,baz=38,slo=2.4,SNR=29						
RPZ	Rata Peaks	27.08	198	eP	S	01 34 52.5	+2.3
	comp=Z,124nm,0.5s,baz=38,slo=2.4,SNR=29						
RPZ	Rata Peaks	27.08	198	eP	S	01 28 55.1	-0.7
	comp=Z,124nm,0.5s,baz=38,slo=2.4,SNR=29						
RPZ	Rata Peaks	27.08	198	eP	S	01 32 52.2	-4.5
	comp=Z,39nm,0.8s,baz=170,slo=23,SNR=3.7						
RPZ	Rata Peaks	27.08	198	eP	S	01 34 52.5	+2.3
	comp=Z,39nm,0.8s,baz=170,slo=23,SNR=3.7						
AS31	Asiatic	27.12	93	eP	S	01 38 43.5	+1.1
	comp=Z,16nm,0.9s,baz=318,slo=21,SNR=6.2						
TIAR	Tiarei	27.12	93	eP	P	01 28 57.0	+0.6
	comp=Z,22nm,0.9s						
TIAR	Tiarei	27.12	93	eP	P	01 30 15.6	-5.9
	comp=Z,53nm,1.3s						
TIAR	Tiarei	27.12	93	eP	S	01 34 49.5	-1.3
	comp=Z,16nm,0.9s						
TVO	Taravao	27.19	94	eP	P	01 28 57.7	+0.7
	comp=Z,34nm,1.1s						
TVO	Taravao	27.19	94	eP	P	01 30 16.5	-5.6
	comp=Z,53nm,1.3s						
TVO	Taravao	27.19	94	eP	S	01 34 49.6	-1.5
	comp=Z,53nm,1.3s						
FOZ	Fox Glacier	27.30	200	eP	P	01 28 56.8	-0.8
	comp=Z,14nm,0.9s						
FOZ	Fox Glacier	27.30	200	eP	S	01 32 58.6	-1.3
	comp=Z,14nm,0.9s						
FOZ	Fox Glacier	27.30	200	eP	P	01 28 57.2	+0.3
	comp=Z,14nm,0.9s						
LBZ	Lake Benmore	27.95	198	eP	P	01 29 02.0	-1.3
	comp=Z,14nm,0.7s						
LBZ	Lake Benmore	27.95	198	eP	P	01 29 02.1	-1.3
	comp=Z,14nm,0.7s						
JCZ	Jackson Bay	28.12	201	P	P	01 29 04.5	-0.4
ODZ	Otahu Downs	28.42	197	eP	P	01 29 07.2	-0.2
	comp=Z,93nm,1.5s						
ODZ	Otahu Downs	28.42	197	eP	P	01 29 06.6	-0.7
	comp=Z,93nm,1.5s						
XMAS	Kiritimati	28.45	47	eP	P	01 29 08.5	+0.5
	comp=Z,122nm,0.9s						
WKZ	Wanaka	28.71	200	eP	P	01 29 09.0	-1.0
	comp=Z,166nm,0.6s						
WKZ	Wanaka	28.71	200	eP	S	01 33 18.3	-3.7
	comp=Z,166nm,0.6s						
PMOR	Pomarioiro Ree	28.86	88	eP	P	01 29 09.5	-0.5
	comp=Z,148nm,1.2s						
PMOR	Pomarioiro Ree	28.86	88	eP	P	01 29 12.2	+0.6
	comp=Z,210nm,1.4s						
PMOR	Pomarioiro Ree	28.86	88	eP	S	01 34 54.7	-1.6
	comp=Z,210nm,1.4s						
EAZ	Earnsclough	28.98	199	P	P	01 29 12.3	0.0
	comp=Z,114nm,1.1s						
VAH	Vaihona	29.07	89	eP	P	01 29 13.7	+0.2
	comp=Z,69nm,0.9s						
VAH	Vaihona	29.07	89	eP	P	01 30 36.0	-3.2
	comp=Z,69nm,0.9s						
VAH	Vaihona	29.07	89	eP	S	01 34 55.4	-1.5
	comp=Z,69nm,0.9s						
HLZS	Highcliff Hill	29.20	197	P	P	01 29 11.1	-3.2
	comp=Z,56nm,1.2s						
MHSZ	Mavora Lakes	29.48	200	eP	P	01 29 16.9	+0.2
	comp=Z,540nm,0.7s						
TUZ	Tuapeka	29.54	198	P	P	01 29 17.5	+0.4
	comp=Z,540nm,0.7s						
TUZ	Tuapeka	29.54	198	P	P	01 29 17.5	+0.4
	comp=Z,540nm,0.7s						
EIDS	Eidsvold	29.66	251	eP	P	01 29 18.1	-0.4
	comp=Z,452nm,0.8s						
DCZ	Deep Cove	29.90	201	eP	P	01 29 21.0	+0.8
	comp=Z,158nm,0.8s						
WHZ	Wether Hill Ro	30.01	200	eP	P	01 29 21.2	+0.1
	comp=Z,660nm,0.8s						
WHZ	Wether Hill Ro	30.01	200	eP	S	01 33 43.8	+1.8
	comp=Z,660nm,0.8s						
ARMA	Armidale	30.25	241	eP	P	01 29 24.5	+0.9
	comp=Z,387nm,0.7s						
PYZ	Puysegur Point	30.67	201	eP	P	01 29 27.8	+0.0
	comp=Z,158nm,0.6s						
CTA	Charters Tower	33.92	261	eP	P	01 29 54.8	-0.2
	comp=Z,686nm,0.9s,baz=87,slo=10,SNR=4.54						
CTA	Charters Tower	33.92	261	eP	P	01 32 18.9	+0.5
	comp=Z,36nm,0.7s,baz=168,slo=6.3,SNR=4.2						
CTA	Charters Tower	33.92	261	eP	S	01 35 16.7	+3.2
	comp=Z,31nm,1.0s,baz=64,slo=3.0,SNR=8.2						
CTAO	Charters Tower	33.92	261	eP	pmx	01 29 54.6	-0.4
	comp=Z,767nm,0.9s						
CTAO	Charters Tower	33.92	261	eP	pmx	01 29 54.6	-0.4
	comp=Z,767nm,0.9s						
CAN	Canberra	33.94	233	eP	P	01 29 55.7	+0.7
	comp=Z,294nm,0.9s						
CAN	Canberra	33.94	233	eP	pmx	01 29 55.7	+0.7
	comp=Z,294nm,0.9s						
PATS	Pohnpei	34.26	315	eP	P	01 29 58.4	+0.6
	comp=Z,294nm,0.9s						
JOHN	Johnston Islan	35.69	14	eP	P	01 30 08.7	-0.9
	comp=Z,295nm,0.9s						



12D 1h

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like LEM, KSM, PET, YSS, XMI, etc.

2013 FEB

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like AFDM, ORV, OHAK, PFO, etc.

972

Table with columns: Station, Name, Frequency, Power, and other technical details. Includes stations like GRNR, NKL, LDFC, etc.



12d 1h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like WALA, HRY, HRY, SDCO, SDCO, SDCO, etc.

2013 FEB

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like 435B, RSSD, RSSD, RSSD, etc.

974

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like I39A, N42A, P43A, H39A, etc.



Table with columns for station name, frequency, and other technical details. Includes stations like KERK, LANS, KRKC, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like GEC2, GERES, GEA0, etc.

Table with columns for station name, frequency, and other technical details. Includes stations like PLG, SENIN, KRUS, etc.

IDC 12 01:46:36.4:3.8, 10:305:165.93E, h79km, 33km, mb3.4/4, mb1 3.7/6, mb1mx3.4/1, mbtm3.8/6, Error ellipse: s-maj=31.7km s-min=25.6km sz=38.0, Santa Cruz Islands

IDC 12 01:58:55.4:1.6, 11:515:165.05E, h0km, mb3.8/5, mb1 4.0/6, mb1mx3.7/49, mbtm3.8/6, ML3.8/1, Error ellipse: s-maj=47.9km s-min=28.3km sz=120.0, IS/CJB 12 01:58:58.7:1.2, 11:75:0.1:165.1E:0.2, h34km, mb3.8/5, Error ellipse: s-maj=31.8km s-min=19.5km sz=176.1, IS/C 12 01:59:00.4:1.2, 11:65:0.1:165.1E:0.3, h34km, m6, s=065/6, mb3.7/5, Santa Cruz Islands







Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like GAR, HYB, KBL, KURBB, KURK, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like SUF, FIAO, IZAR, IIGN, etc.

Table with columns: Station Name, Frequency, Power, Mode, and Time. Includes stations like ASAR, ASO1, EKA, TOLK, etc.

IDC 12:02:56:43.8i.4, 3.718S:144.03E, h0km, mb3.8/3, mb1.3.8/5, mb1mx3.6/56, mbmtmp3.7/5, ML3.4/2, Error ellipse: s-maj=131.3km s-min=27.7km az=108.0, Near south coast of New Guinea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA, WRA, WRA, etc.

Table with columns for station code, name, time, and status. Includes stations like Vladivostok, Mudanjiang, Ussuriysk, and Hailar.

Table with columns for station code, name, time, and status. Includes stations like Hailar, Asahikawa, Ermo, and Taiman.

Table with columns for station code, name, time, and status. Includes stations like Yeheng, Chichijima, Nanchiao, and Quanzhou.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Kungurtug, Tuvs, Kungurtug, Tuvs, Kungurtug, Tuvs, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Chiang Mai, Chiang Mai, Chiang Mai, Chiang Mai, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Ternate, Ternate, Ternate, Ternate, etc.



Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like PBUR, SIM, SUW, HFS, NC405, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BMR, UZH, MLR, DOPR, ILULI, RASA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like VRAC, LON, BUD, PUN, PVCC, etc.





DAC	Darwin (Calif)	81.57	49	eP	P	03 10 11.9 +1.0
DAC	Darwin (Calif)	81.57	49	eP	P	03 10 11.9 +1.0
JLU	Jordanelle	81.70	42	eP	P	03 10 12.7 +1.2
MPMC	Manual Prospec	81.79	49	P	P	03 10 12.6 +0.6
TPNV	Topopah Spring	81.84	47	eP	P	03 10 13.3 +1.0
TPNV	Topopah Spring	81.84	47	eP	P	03 10 13.3 +1.0
TPNV	Topopah Spring	81.84	47	P	P	03 10 13.2 +1.0
FURC	Furnace Creek	81.85	48	P	P	03 10 13.2 +1.2
RJF	Les Rejaudoux	81.85	326	eP	P	03 10 12.5 +0.6
NLU	North Lily Min	81.87	43	eP	P	03 10 13.7 +1.3
PSUT	Pine Spring	81.99	45	eP	P	03 10 14.4 +1.3
MPU	Maple Canyon	82.05	43	eP	P	03 10 14.5 +1.2
LRMC	Laurel Mt Res	82.09	49	P	P	03 10 14.0 +0.5
AGMN	Agassiz Nation	82.32	28	eP	P	03 10 13.6 -0.7
EDWZ	Edwards Air Fo	82.34	50	P	P	03 10 15.3 +0.5
LF	La Freestone	82.47	326	eP	P	03 10 14.6 -0.6
RSSD	Black Hills	82.49	36	eP	P	03 10 16.2 +0.7
RSSD	Black Hills	82.49	36	eP	P	03 10 16.2 +0.7
RSSD	Black Hills	82.49	36	P	P	03 10 15.6 +0.1
K22A	Casper	82.52	38	eP	P	03 10 16.0 +0.3
K22A	Casper	82.52	38	P	P	03 10 15.9 +0.1
SHOC	Shoshone, Teco	82.59	46	P	P	03 10 16.7 +0.7
GSC	Goldstone, Bar	82.72	49	eP	P	03 10 17.6 +0.8
GSC	Goldstone, Bar	82.72	49	P	P	03 10 17.5 +0.7
SHPR	Sheep Range	82.77	47	eP	P	03 10 18.4 +1.3
MWC	Mount Wilson	82.77	50	eP	P	03 10 16.9 -0.3
MWC	Mount Wilson	82.77	50	eP	P	03 10 16.9 -0.3
TMUT	Trail Mountain	82.80	43	eP	P	03 10 18.7 +1.3
MSU	Marysvale	82.89	44	eP	P	03 10 18.0 +0.2
MSU	Marysvale	82.89	44	eP	P	03 10 18.0 +0.2
CCUT	Cedar City	82.98	45	eP	P	03 10 19.6 +1.4
BFSG	Baldy Baldy Ra	82.99	50	P	P	03 10 19.2 +0.9
SZCU	Shurtz Canyon	83.09	45	eP	P	03 10 20.1 +1.2
Q16A	Castle Valley	83.11	43	eP	P	03 10 20.3 +1.5
TUQ	Turquoise Moun	83.12	48	P	P	03 10 19.6 +0.7
MTPU	Mount Pierson	83.24	44	eP	P	03 10 21.8 +2.1
SCHO	Schefferville	83.26	9	P	P	03 10 18.6 -0.5
SCHO	Schefferville	83.26	9	P	P	03 10 19.0 -0.1
SCHO	Schefferville	83.26	9	P	P	03 10 18.6 -0.5
SRU	San Rafael Swe	83.29	43	eP	P	03 10 21.2 +1.4
SRU	San Rafael Swe	83.29	43	eP	P	03 10 21.2 +1.4
HEC	Hector, Ludlow	83.33	49	P	P	03 10 20.7 +0.8
PKCU	Pink Cliffs	83.61	45	eP	P	03 10 23.7 +2.1
O20A	White River Ci	83.65	40	eP	P	03 10 22.2 +0.6
O20A	White River Ci	83.65	40	P	P	03 10 22.1 +0.4
KNB	Kanab	83.66	45	eP	P	03 10 23.5 +1.8
KNB	Kanab	83.66	45	eP	P	03 10 23.5 +1.8
MURC	Murieta	83.72	50	P	P	03 10 22.1 +0.2
GMRC	Granite Mounta	83.74	46	P	P	03 10 22.9 +0.8
LDFC	Landfair	83.83	48	eP	P	03 10 23.7 +1.1
PHWY	Pilot Hill	84.07	38	eP	P	03 10 24.0 +0.1
BELC	Belle Mtn. Jos	84.12	49	P	P	03 10 24.4 +0.3
EYMN	Ely	84.13	26	eP	P	03 10 23.1 -0.5
PFO	Pinyon Flats O	84.13	50	P	P	03 10 24.2 +0.1
PFO	Pinyon Flats O	84.13	50	P	P	03 10 24.7 +0.6
PFO	Pinyon Flats O	84.13	50	eP	P	03 10 24.7 +0.6
PFO	Pinyon Flats O	84.13	50	P	P	03 10 24.5 +0.4
PFO	Pinyon Flats O	84.13	50	P	P	03 10 24.2 +0.1
XPFO	Pion Flat	84.14	50	eP	P	03 10 24.7 +0.5
N23A	Red Feather La	84.17	39	eP	P	03 10 25.6 +1.3
N23A	Red Feather La	84.17	39	P	P	03 10 24.3 0.0
109C	Camp Elliot, M	84.28	51	P	P	03 10 25.0 +0.3
SUSD	Miller	84.36	32	eP	P	03 10 24.8 -0.2
U15A	North Rim	84.38	45	eP	P	03 10 24.4 -1.2
PV09	Paradox Valley	84.46	42	eP	P	03 10 24.1 -1.8
IRM	Iron Mountain	84.49	49	eP	P	03 10 26.8 +1.0
PV21	Cone Mtn., Par	84.50	42	eP	P	03 10 27.3 +1.3
W13A	Hualapai Mount	84.50	47	eP	P	03 10 27.0 +0.9
PV23	Carpenter Ridg	84.56	42	eP	P	03 10 27.6 +1.2
PV10	Paradox Valley	84.60	42	eP	P	03 10 28.6 +2.0
PV14	Lion Creek, Pa	84.61	42	eP	P	03 10 27.9 +1.2
PV04	Paradox Valley	84.66	42	eP	P	03 10 29.2 +2.4
BC3	Big Chuwauk	84.68	49	P	P	03 10 27.4 +0.5
PV19	Morning Glory	84.68	42	eP	P	03 10 28.0 +1.1
PV16	Nyswonger Mesa	84.72	42	eP	P	03 10 28.2 +1.1
PV17	East Wray Mesa	84.72	42	eP	P	03 10 28.3 +1.2
PV11	David Mesa, Pa	84.75	42	eP	P	03 10 28.4 +1.2
PV07	Paradox Valley	84.75	42	eP	P	03 10 28.4 +1.1
PV12	Saucer Basin,	84.77	42	eP	P	03 10 28.6 +1.2
PV03	Paradox Valley	84.79	42	eP	P	03 10 28.6 +1.1
PV13	Radium Mtn., P	84.88	42	eP	P	03 10 29.2 +1.2

PV02	Paradox Valley	84.89	42	eP	P	03 10 29.4 +1.4
PV15	Paradox Valley	84.91	42	eP	P	03 10 29.3 +1.2
PDMO	Park of Dam Lak	84.94	48	P	P	03 10 28.7 +0.7
SMCO	Snowmass	85.01	40	eP	P	03 10 30.1 +1.3
PV01	Paradox Valley	85.03	42	eP	P	03 10 29.9 +1.2
IKP	In-Ko-Pah, Jac	85.03	50	P	P	03 10 29.3 +0.7
Y12C	Blythe	85.14	49	eP	P	03 10 30.4 +1.4
Y12C	Blythe	85.14	49	P	P	03 10 30.0 +1.0
ISCO	Idaho Springs	85.18	39	eP	P	03 10 30.6 +1.1
ISCO	Idaho Springs	85.18	39	eP	P	03 10 30.6 +1.1
ISCO	Idaho Springs	85.18	39	P	P	03 10 30.4 +0.9
GLA	Glamis	85.48	49	eP	P	03 10 32.1 +1.3
GLA	Glamis	85.48	49	eP	P	03 10 32.1 +1.3
GLA	Glamis	85.48	49	P	P	03 10 31.7 +0.9
KEST	Kesra	85.51	315	P	P	03 10 30.8 -0.1
KEST	Kesra	85.51	315	eP	P	03 10 30.8 -0.1
KEST	Kesra	85.51	315	P	P	03 10 30.8 -0.1
WUAZ	Wupatki	85.56	45	eP	P	03 10 32.6 +1.3
WUAZ	Wupatki	85.56	45	P	P	03 10 32.6 +1.3
F37A	Hinrichs Farm,	85.67	28	P	P	03 10 31.7 +0.2
F38A	Pierce - Schro	85.73	27	P	P	03 10 31.7 0.0
MVCO	Mesa Verde	85.77	43	eP	P	03 10 33.6 +1.2
MVCO	Mesa Verde	85.77	43	P	P	03 10 33.2 +0.8
E39A	Mellen	85.81	26	P	P	03 10 32.0 -0.2
Y14A	Wickenburg	85.85	47	eP	P	03 10 34.0 +1.3
D41A	Chassel	85.86	25	P	P	03 10 31.5 -0.9
ECSD	EROS Data Cent	85.89	31	eP	P	03 10 32.7 +0.1
ECSD	EROS Data Cent	85.89	31	P	P	03 10 32.3 -0.3
OGNE	Ogallala	85.92	36	eP	P	03 10 33.8 +0.9
OGNE	Ogallala	85.92	36	P	P	03 10 32.8 -0.1
SPMN	Marine on St.	86.04	28	eP	P	03 10 33.2 -0.1
SPMN	Marine on St.	86.04	28	P	P	03 10 32.8 -0.6
Q24A	Divide	86.06	39	P	P	03 10 34.3 +0.3
F39A	Loretta	86.09	27	P	P	03 10 33.0 -0.6
S22A	4UR Ranch, Cre	86.20	41	eP	P	03 10 36.1 +1.4
S22A	4UR Ranch, Cre	86.20	41	P	P	03 10 35.5 +0.9
E41A	Kenton	86.26	25	P	P	03 10 33.6 -0.7
MATQ	Matagami	86.31	17	P	P	03 10 33.9 -0.7
X16A	Lo Mia Camp, P	86.35	46	eP	P	03 10 36.8 +1.5
F40A	Park Falls	86.36	26	P	P	03 10 34.1 -0.8
CHGQ	Chibougamau	86.85	15	P	P	03 10 36.1 -1.1
SDCO	Great Sand Dun	86.85	40	eP	P	03 10 38.8 +1.0
SDCO	Great Sand Dun	86.85	40	P	P	03 10 38.3 +0.4
G40A	Rib Lake	86.91	27	P	P	03 10 37.3 -0.3
H39A	Augusta	87.05	28	P	P	03 10 37.6 -0.7
X18A	Snowflake	87.07	45	eP	P	03 10 40.4 +1.6
LSQQ	Lebel-sur-Quev	87.12	17	P	P	03 10 37.3 -1.2
BGNE	Belgrade	87.21	34	eP	P	03 10 39.7 +0.6
BGNE	Belgrade	87.21	34	P	P	03 10 39.0 -0.2
D46A	Sault St. Mari	87.36	22	P	P	03 10 38.8 -0.9
H40A	Chill	87.41	27	P	P	03 10 39.7 -0.3
214A	Organ Pipe Nat	87.43	49	P	P	03 10 40.2 -0.2
D47A	Chapleau	87.47	21	P	P	03 10 40.0 -0.3
H41A	Junction City	87.66	27	P	P	03 10 40.7 -0.5
I39A	Houston	87.68	28	eP	P	03 10 41.2 -0.2
I39A	Houston	87.68	28	P	P	03 10 41.0 -0.4
T25A	Trinidad	87.86	40	eP	P	03 10 43.5 +0.9
T25A	Trinidad	87.86	40	P	P	03 10 42.9 +0.2
VLDQ	Val d'Or	87.91	17	eP	P	03 10 41.3 -1.0
I40A	Norwalk	87.97	28	P	P	03 10 41.8 -0.9
E47A	Iron Bridge	87.98	22	P	P	03 10 42.3 -0.4
J39A	Decorah	88.07	28	P	P	03 10 42.6 -0.7
I41A	Arkdale	88.08	27	P	P	03 10 42.3 -0.7
H42A	Shiocton	88.13	26	P	P	03 10 43.1 -0.4
E48A	Lockeyer	88.26	21	P	P	03 10 42.6 -1.4
TUC	Tucson	88.30	47	P	P	03 10 43.9 -0.7
J40A	Soldiers Grove	88.36	28	P	P	03 10 43.3 -0.9
D51A	Lot 18 Range I	88.41	19	P	P	03 10 43.3 -1.4
H43A	Windswept, Lux	88.42	25	P	P	03 10 43.9 -0.9
I42A	Draeger Farm,	88.55	26	P	P	03 10 45.6 +0.1
K39A	Oelwein	88.55	29	P	P	03 10 44.9 -0.7
G46A	Petsoskey	88.56	23	P	P	03 10 44.2 -1.3
ANMO	Albuquerque	88.57	43	P	P	03 10 47.2 +1.2
ANMO	Albuquerque	88.57	43	eP	P	03 10 48.3 +2.3
ANMO	Albuquerque	88.57	43	P	P	03 10 47.1 +1.2
ANMO	Albuquerque	88.57	43	P	P	03 10 47.2 +1.2
J41A	Loganville	88.64	27	P	P	03 10 45.7 -0.2
CBKS	Cedar Bluff	88.67	36	eP	P	03 10 46.6 +0.4
CBKS	Cedar Bluff	88.67	36	eP	P	03 10 46.6 +0.4
CBKS	Cedar Bluff	88.67	36	P	P	03 10 46.0 -0.2





12d 3h

Table with columns: JOM, Ohasama, 1.05 324, P, Pn, 03 20 33.5 +0.9, etc. Includes stations like Marumori, Rokugo, Kaneyama, Kawauchi, Shirataki, Matsushiro, Matsushiro Arr, Asahikawa, etc.

MEX 12 03:29:23.6-0.5, 15°36'N-93°63'W, h93km, 7km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like PCIG, Comitan, etc.

ISC 12 03:30:18.4-1.1, 11°10'Sx165°36'E, h0km, mb3.7/6, mb1 3.9/7, mb1mx3.6/63, mbtmp3.7/7, ML4.1/1, Error ellipse: s-maj=46.4km s-min=25.1km az=128.0

ISC/JB 12 03:30:21.1-1.2, 11°35'Sx165°45'E, h0km, mb3.6/6, Error ellipse: s-maj=28.2km s-min=19.8km az=179.9

ISC 12 03:30:22.9-1.2, 11°25'Sx165°45'E, h0km, mb3.6/6, Error ellipse: s-maj=28.2km s-min=19.8km az=179.9

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like DZM, STKA, WRA, ASAR, FITZ, ILAR, MKAR, ARCES, etc.

KRNET 12 03:30:40.6-0.1, 40°32'N-77°61'E, h18km, mb3.4 SOME 12 03:30:41.2, 40°35'N-77°58'E, h10km

NNC 12 03:30:42.0-0.6, 40°35'N-77°55'E, h0km, mb4.1, mpv3.8, Error ellipse: s-maj=4.9km s-min=2.7km az=137.0

ISC 12 03:30:36.3-1.7, 40°19'N-077°75'E, h0km, mb3.0, n72, Error ellipse: s-maj=13.7km s-min=7.6km az=104.1

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like TARG, NRN, KDJ, ULHL, PRZ, KZA, BOOM, TNS, SATY, IZV, MDOK, etc.

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Main table with columns: ARLS, KNDC, KOTS, MTBS, etc. Includes stations like Aral, Almaty, Kotelnyok, Maitube, etc.

988

Table with columns: MRKS, DJR, MNAS, KAPS, etc. Includes stations like Merke, JarKent, Manas, Kapararasan, Karatay Array, etc.

ISC 12 03:59:25.2-1.4, 1°23'S-120°78'E, h0km, mb3.6/5, mb1 3.7/5, mb1mx3.5/38, mbtmp3.6/5, MS3.4/1, Ms1 3.4/1, ms1mx2.5/41, Error ellipse: s-maj=150.9km s-min=19.9km

ISC/JB 12 03:59:27.8-0.6, 1°50'S-119°8'E, h33km, mb3.5/5, Error ellipse: s-maj=9.4km s-min=6.0km az=20.4

DJA 12 03:59:27.0-0.3, 1°53'S-120°E, h10km, M3.9/11, MLV3.9/11

ISC 12 03:59:29.3-0.9, 1°46'S-119°98'E, h35km, n17, Error ellipse: s-maj=14.9km s-min=9.4km az=104.1

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res. Includes stations like PCI, TTSI, APSI, MPSI, SPSI, MRSI, etc.





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include stations like JIRN, GUN, RAMN, PKI, etc.

12C 1204:34:17.7, 1.3, 10189S, 165.45E, h0km, mb3.8/6, mb1.4/1.7, mb1mx3.8/2.9, mbtmp3.9/7, ML4.2/1, MS2.7/1, Ms1.2/1.1, ms1mx2.4/3.7, Error ellipse: s-maj=47.1km s-min=23.8km az=132.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include stations like HNR, DZM, STKA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include stations like DZM, URZ, WRA, ASAR, etc.

12C 1204:51:04.0, 1.9, 12377N, 88.01W, h0km, mb3.6/5, mb1.3/8.5, mb1mx3.5/2.7, mbtmp3.6/5, Error ellipse: s-maj=75.2km s-min=27.0km az=55.0, Off coast of central America

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include stations like TXAR, SIV, SCHO, etc.

NIED 1204:54:00.37, 80N, 144.10E, h5km, Mw3.7, Best double couple: Mo3.45000x1014 NP1=68.00000, delta22.00000, lambda-68.00000, NP2=225.00000, delta69.00000, lambda-99.00000

12C 1204:54:19.4, 0.9, 37.41N, 144.55E, h0km, mb3.5/6, mb1.3/7.7, mb1mx3.5/4.0, mbtmp3.5/7, ML2.6/1, Error ellipse: s-maj=36.3km s-min=20.5km az=118.0

12C 1204:54:23.9, 0.8, 37.73N, 144.39E, 0.06, h33km, mb3.6/6, Error ellipse: s-maj=6.8km s-min=7.0km az=172.8

JMA 1204:54:24.0, 0.3, 37.77N, 144.10E, h2km, M4.0, 12C 1204:54:25.1, 1.0, 37.67N, 144.39E, 0.08, h35km, n21, alpha109/24, mb3.7/6, Off east coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include stations like JIKH, JIO, OFUJ, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include stations like ASAR, YKA.

12C 1204:56:43.2, 2.2, 1.79N, 126.39E, h0km, mb3.2/3, mb1.3/4.3, mb1mx3.1/4.2, mbtmp3.2/3, Error ellipse: s-maj=180.1km s-min=27.9km az=65.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include stations like WRA, ASAR, MKAR.

12C 1204:59:52.3, 0.8, 21.30S, 0.07, 68.1W, 0.1, h121km, mb3.5/2, Error ellipse: s-maj=17.8km s-min=8.0km az=18.8

12C 1204:59:53.2, 0.8, 21.26S, 68.25W, h121km, 11km, mb3.4/2, s-maj=29.6km s-min=11.6km az=104.0

12C 1204:59:53.0, 0.9, 21.30S, 0.07, 68.2W, 0.1, h121km, n7, alpha57.9, Chile-Boivia border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include stations like LVC, LPAZ, SIV, etc.

12C 1205:01:45.5, 1.8, 51.75N, 172.31E, h0km, mb3.7/13, mb1.3/9.15, mb1mx3.7/5.7, mbtmp3.7/15, ML3.4/2, Error ellipse: s-maj=47.8km s-min=16.5km az=7.0

12C 1205:01:47.0, 0.8, 51.8N, 0.1, 172.00E, 0.07, h26km, mb3.7/13, Error ellipse: s-maj=20.4km s-min=6.2km az=175.9

KRSC 1205:01:52.7, 2.0, 52.14N, 170.93E, h7km, 43km, ML4.4, MOS 1205:01:52.7, 2.5, 52.13N, 170.93E, h7km, mb4.6/1, Error ellipse: s-maj=17.9km s-min=8.0km az=38.3

12C 1205:01:49.6, 1.0, 51.31N, 171.32E, 0.06, h26km, n55, alpha204/54, mb3.7/13, Near Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include stations like BKI, KBT, SPN, etc.

PETK Petropavlovsk- 8.77 284 Pn 0.9m, 0.3s, baz=97, slow=19, SNR=15

APC Apache 9.09 283 eP 0.5m, 0.3s, baz=108, slow=17, SNR=3.4

TRK Tillichiki 9.19 243 Pn 0.5m, 0.3s, baz=108, slow=17, SNR=3.4

ALD Alaid 10.29 212 Pn 0.5m, 0.3s, baz=108, slow=17, SNR=3.4

SEY Seymchan 15.22 324 Pn 0.3m, 0.3s, baz=0, slow=20, SNR=3.0

ILAR Eielson Array 24.67 43 P 1.7m, 0.6s, baz=250, slow=9.3, SNR=30

INK Inuvik 30.47 37 P 0.4m, 0.3s, baz=261, slow=6.9, SNR=8.5

H1N2 WAKE ISLAND Hy 32.30 189 T 0.5m, 0.3s, baz=76, SNR=3.5

H1N3 WAKE ISLAND Hy 32.32 189 T 0.5m, 0.3s, baz=76, SNR=3.5

12C 1205:09:28.9, 1.5, 5.71S, 130.16E, h0km, mb3.8/3, mb1.4/2.7, mb1mx3.8/4.0, mbtmp4.0/7, ML4.0/4, MS3.0/4, Ms1.3/4.0, ms1mx2.6/4.0, Error ellipse: s-maj=52.1km s-min=22.5km az=82.0

12C 1205:09:30.0, 0.7, 5.68S, 130.5E, 0.2, h33km, mb3.8/3, MS2.9/2, Error ellipse: s-maj=26.4km s-min=7.3km az=176.6

12C 1205:09:31.7, 0.8, 5.78S, 130.5E, 0.2, h35km, n10, alpha235/11, mb3.8/3, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include stations like SIJU, BATI, FITZ, etc.

12C 1205:13:38.6, 0.8, 7.2S, 0.1, 122.09W, 0.08, h10km, mb4.5/108, MS3.8/8, Error ellipse: s-maj=16.3km s-min=11.7km az=11.6

12C 1205:13:40.7, 1.0, 6.79S, 122.30W, h0km, mb4.4/15, mb1.4/6.15, mb1mx4.4/3.7, mbtmp4.4/15, MS3.8/8, Ms1.3/8.8, ms1mx3.5/2.8, Error ellipse: s-maj=33.0km s-min=19.8km az=48.0

NEIC 1205:13:42.1, 0.3, 6.87S, 122.37W, h10km, mb4.6/97, Error ellipse: s-maj=8.2km s-min=5.9km az=81.0

12C 1205:13:43.1, 0.7, 6.75S, 122.2W, 0.2, h10km, n254, alpha597/248, mb4.6/108, MS3.8/8, South Pacific Ocean

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h m s, ISC. Rows include stations like TAOE, RKT, RPN, etc.

991	ABTX	Abielene, Hawle	44.58	27	P	05 21 55.9 +0.4
	CCUT	Cedar City	44.75	10	eP	05 21 58.5 +1.3
	NV01	Mina Array Sit	45.01	4	eP	05 22 00.5 +1.4
	NVAR	Mina Array Bea	45.01	4	P	05 22 00.8 +1.7
	NVAR	0.9mm,0.6s,baz=189,slow=5.4,SNR=4.4		PcP	05 23 40.0 -0.2	
	NVAR	comp=Z,1.183mm,18.4s,baz=190,slow=31		LR	05 36 43.4	
	NV11	Mina Array Sit	45.02	4	eP	05 22 00.5 +1.4
	RYN	Ryan	45.19	4	eP	05 22 00.7 +0.1
	R11A	Troy Canyon, C	45.20	7	eP	05 22 01.8 +1.1
	R11A	Troy Canyon, C	45.20	7	P	05 22 01.5 +0.8
	MTPU	Mount Pierson	45.44	11	eP	05 22 04.3 +1.5
	MVCO	Mesa Verde	45.48	15	eP	05 22 02.7 -0.3
	MVCO	Mesa Verde	45.48	15	P	05 22 02.7 -0.3
	YERR	Yerington	45.50	3	eP	05 22 02.9 -0.1
	PSUT	Pine Summit	45.63	9	eP	05 22 04.8 +0.8
	AMTX	Amarillo	45.63	24	eP	05 22 04.8 +0.8
	AMTX	Amarillo	45.63	24	P	05 22 04.1 +0.1
	TCRU	Three Creeks R	45.94	11	eP	05 22 08.0 +1.4
	PV05	Paradox Valley	46.15	14	eP	05 22 09.5 +1.2
	PV13	Radium Mtn., P	46.30	15	eP	05 22 10.0 +0.7
	PV17	East Wray Mesa	46.38	14	eP	05 22 10.7 +0.7
	PV03	Paradox Valley	46.38	15	eP	05 22 10.7 +0.7
	PV11	David Mesa, Pa	46.42	14	eP	05 22 10.8 +0.5
	PV16	Nyswonger Mesa	46.42	14	eP	05 22 11.6 +1.3
	S22A	4UR Ranch, Cre	46.45	17	eP	05 22 11.4 +0.8
	S22A	4UR Ranch, Cre	46.45	17	P	05 22 11.3 +0.7
	PV14	Lion Creek, Pa	46.45	14	eP	05 22 11.2 +0.7
	PV12	Sancer Basin,	46.45	15	eP	05 22 11.6 +1.0
	Q16A	Castle Valley	46.49	12	eP	05 22 11.8 +1.0
	PV04	Paradox Valley	46.50	14	eP	05 22 12.1 +1.1
	PV23	Carpenter Ridg	46.53	14	eP	05 22 11.9 +0.7
	T25A	Trinidad	46.64	20	eP	05 22 13.0 +0.9
	T25A	Trinidad	46.64	20	P	05 22 13.2 +1.2
	SDCO	Great Sand Dun	46.84	18	eP	05 22 14.7 +0.9
	SDCO	Great Sand Dun	46.84	18	P	05 22 14.6 +0.9
	NLU	North Lily Min	47.32	11	eP	05 22 18.8 +1.5
	N02D	Trinity Center	47.40	359	P	05 22 19.5 +1.7
	DUG	Dugway, Tooele	47.42	10	eP	05 22 18.8 +0.7
	DUG	Dugway, Tooele	47.42	10	P	05 22 19.2 +1.2
	MPU	Maple Canyon	47.46	11	eP	05 22 19.5 +1.2
	ELK	Elko	47.60	7	eP	05 22 20.9 +1.3
	M02C	Callahan	47.82	359	P	05 22 23.1 +2.1
	JLU	Jordanelle	48.06	11	eP	05 22 24.4 +1.3
	Q24A	Divide	48.07	18	P	05 22 23.9 +0.6
	CTU	Camp Tracy	48.09	11	eP	05 22 24.7 +1.5
	BGU	Big Grassy Mou	48.10	9	eP	05 22 23.8 +0.5
	M04C	Macdoel	48.21	0	P	05 22 25.7 +1.6
	O20A	White River Ci	48.31	14	eP	05 22 26.2 +1.2
	O20A	White River Ci	48.31	14	P	05 22 26.2 +1.2
	TCUT	Toone Canyon	48.57	11	eP	05 22 28.2 +1.2
	L04D	Klamath Falls	48.65	360	P	05 22 29.2 +1.7
	ISCO	Idaho Springs	48.70	17	eP	05 22 29.3 +1.2
	ISCO	Idaho Springs	48.70	17	P	05 22 29.0 +0.8
	WVOR	Wild Horse Val	48.97	3	eP	05 22 31.2 +1.3
	HVU	Hansel Valley	48.97	9	eP	05 22 30.5 +0.5
	MIAR	Mount Ida	49.10	32	P	05 22 31.3 +0.3
	N23A	Red Feather La	49.63	16	P	05 22 35.8 +0.7
	145A	Houston Renfro	49.67	36	P	05 22 35.8 +0.5
	J05D	Fort Rock, OR	49.72	1	P	05 22 37.2 +1.5
	J08A	Circle Bar Ran	49.90	4	eP	05 22 37.5 +0.5
	104A	Tendick Farm,	50.22	360	P	05 22 40.8 +1.4
	W41B	Gary Hativity, V	50.28	32	P	05 22 40.3 +0.4
	HL1D	Hailey	50.48	7	eP	05 22 42.0 +0.5
	HL1D	Hailey	50.48	7	P	05 22 42.3 +0.8
	BW06	Boulder Array	50.52	12	P	05 22 42.4 +0.5
	PD31	Pinedale Array	50.52	12	eP	05 22 42.0 +0.1
	PDAR	Pinedale Array	50.52	12	eP	05 22 41.5 -0.4
	PDAR	Pinedale Array	50.52	12	PcP	05 23 59.0 -0.8
	PDAR	Pinedale Array	50.52	12	ScP	05 27 57.0 +0.8
	PDAR	Pinedale Array	50.52	12	P	05 22 42.4 +0.5
	PDAR	Pinedale Array	50.52	12	PcP	05 23 59.0 -0.8
	PDAR	Pinedale Array	50.52	12	ScP	05 27 57.0 +0.8
	PDAR	Pinedale Array	50.52	12	LR	05 39 44.6
	I05D	Terrebonne, OR	50.77	1	P	05 22 44.0 +1.5
	U40A	Yellville	50.88	31	P	05 22 44.9 +0.5
	TPAW	Teton Pass	50.95	11	eP	05 22 45.1 -0.1
	FXWY	Fox Creek	51.08	10	eP	05 22 46.5 +0.5
	K22A	Casper	51.11	15	P	05 22 46.9 +0.6
	K22A	Casper	51.11	15	P	05 22 46.9 +0.6
	LOHW	Long Hollow	51.13	11	eP	05 22 47.0 +0.5
	MOOU	Moose Ponds	51.23	11	eP	05 22 48.0 +0.7
	KSU1	Kansas State U	51.34	25	P	05 22 48.3 +0.5
	IMW	Indian Meadow	51.34	10	P	05 22 48.5 +0.3
	BMO	Blue Mountains	51.47	4	eP	05 22 49.7 +0.9
	149A	Jones	51.56	39	P	05 22 50.0 +0.3
	FLWY	Flagg Ranch	51.57	11	eP	05 22 50.8 +1.1
	LRAL	Lakeview Retre	51.73	38	P	05 22 51.4 +0.6

G08A	baz=227	Pilot Rock	51.80	3	eP	05 22 52.1 +0.8
H17A	5.2mm,0.9s	Grant Village	51.89	11	eP	05 22 52.8 +0.6
YFT	2.4mm,0.8s	Old Faithful	51.90	10	eP	05 22 53.6 +1.4
MCMT	4.5mm,0.8s	McKenzie Canyo	51.94	8	eP	05 22 54.1 +1.5
T41A	5.9mm,0.8s	Mountain View	51.96	31	P	05 22 52.9 +0.3
YMR	19.0mm,1.0s	Madison River	52.09	10	P	05 22 54.8 +1.2
YHB	8.7mm,0.9s	Horse Butte	52.13	10	eP	05 22 55.2 +1.3
YHH	6.9mm,0.8s	Holmes Hill	52.22	10	eP	05 22 56.1 +1.4
S41A	7.8mm,0.9s	Jilco Farms,	52.39	31	P	05 22 55.8 +0.1
DLMT	19.0mm,1.0s	Dillon	52.50	9	eP	05 22 57.4 +0.8
F10A	5.8mm,1.0s	Beach Ranch, E	52.59	4	eP	05 22 57.8 +0.7
RLMT	6.0mm,0.8s	Red Lodge	52.84	11	P	05 22 59.4 +0.3
BOZ	baz=196	Bozeman (W)	52.88	9	P	05 22 59.8 +0.4
PB01	baz=193	IPOC Station P	52.89	111	eP	05 23 00.9 +1.0
CCM	6.6mm,0.8s	Cathedral Cave	53.01	31	P	05 22 59.9 -0.3
S42A	baz=220	Caledonia	53.02	31	P	05 23 00.2 -0.1
E09A	baz=22	Wood Farm, Sta	53.06	3	eP	05 23 01.0 +0.5
254A	3.8mm,0.8s	Abbeville	53.38	42	P	05 23 02.6 -0.5
D08A	3.8mm,0.8s	Wollman Farm,	53.56	3	eP	05 23 05.5 +1.3
SDV	4.4mm,0.9s	Santo Domingo	53.66	74	P	05 23 06.5 +0.7
LPZA	4.8mm,0.7s,baz=258,slow=4.0,SNR=8	La Paz	53.70	105	eP	05 23 07.1 +0.6
LPZA	3.9mm,1.0s	La Paz	53.70	105	P	05 23 07.0 +0.4
MSO	1.3mm,0.6s,baz=314,slow=3.0,SNR=6.7	Misoula	53.76	7	eP	05 23 06.7 +0.9
P41A	1.1mm,0.8s	Barry, Barry	54.24	29	P	05 23 09.8 -0.2
O41A	baz=219	Passleys Farm,	54.77	29	P	05 23 12.7 -0.5
B08A	baz=21	Colville Reser	54.84	2	eP	05 23 14.2 +0.6
NEW	9.3mm,0.7s	Newport	54.87	4	P	05 23 14.3 +0.5
ECSD	baz=186	EROS Data Cent	55.24	22	P	05 23 16.4 -0.1
M40A	baz=212	Post Highland	55.48	28	P	05 23 17.2 -1.0
EGMT	baz=218	Eagleton	55.55	10	eP	05 23 19.3 +0.6
EGMT	5.7mm,0.9s	Eagleton	55.55	10	P	05 23 19.4 +0.8
P45A	baz=195	Graceland, Par	55.91	32	P	05 23 21.4 0.0
WALA	8.4mm,0.9s	Waterton Lakes	55.96	7	eP	05 23 22.4 +0.7
K40A	8.4mm,0.9s	Colesburg	56.67	27	P	05 23 26.4 -0.4
L42A	baz=220	Oliver, Polo	56.81	29	P	05 23 27.1 -0.6
DGMT	baz=210	Dagmar	57.13	14	eP	05 23 30.0 0.0
DGMT	8.2mm,0.8s	Dagmar	57.13	14	P	05 23 30.0 0.0
L43A	baz=202	Garden Prairie	57.39	29	P	05 23 32.2 +0.4
I39A	baz=220	Hotton	57.42	26	P	05 23 31.9 -0.1
N46A	baz=217	Monticello	57.44	31	P	05 23 32.3 +0.1
G38A	baz=223	Ridgeland	58.33	25	P	05 23 37.9 -0.5
J43A	baz=216	Natural Harves	58.46	28	P	05 23 38.8 -0.6
O50A	baz=220	Cable	58.58	34	P	05 23 39.9 -0.4
N49A	baz=226	Columbus Grove	58.81	33	P	05 23 41.0 -0.8
I43A	baz=226	Langfield Bro	58.97	28	P	05 23 42.9 0.0
O52A	baz=228	Adamsville	59.57	35	P	05 23 47.0 -0.1
H43A	baz=221	Windswept, Lux	59.59	28	P	05 23 47.0 -0.1
F41A	baz=221	Three Lakes	59.96	26	P	05 23 49.3 -0.5
E41A	baz=219	Kenton	60.59	26	P	05 23 53.2 -0.8
F43A	baz=219	Flat Rock, Esc	60.90	27	P	05 23 56.2 +0.1
ULM	5.8mm,0.6s	Lac du Bonnet	61.10	19	eP	05 23 56.4 -0.9
ULM	5.8mm,0.6s	Lac du Bonnet	61.10	19	P	05 23 56.5 -0.9
ULM	4.4mm,0.6s,baz=216,slow=6.7,SNR=12	Lac du Bonnet	61.10	19	LR	05 47 42.1
GLMI	comp=Z,56mm,18.7s,baz=155,slow=33	Grayingl	61.36	30	P	05 23 59.4 +0.2
M54A	baz=230	Oil Creek Stat	61.73	35	P	05 24 01.9 +0.1
PTGA	3.5mm,0.6s,baz=319,slow=2.2,SNR=6.1	Pitinga	62.74	67	P	05 24 05.7 -0.7
CPUP	2.2mm,0.9s,baz=299,slow=15,SNR=5.6	Villa Florida	64.57	116	P	05 24 20.6 -0.4
DLBC	9.8mm,0.8s	Dease Lake	65.19	355	eP	05 24 25.4 +1.0
D51A	10mm,1.0s	Lot 18 Range I	65.56	31	P	05 24 27.2 +0.2
E54A	baz=228	Lac Duplat, Po	66.27	32	P	05 24 31.6 0.0
D53A	baz=230	Lac Vacive, Po	66.42	32	P	05 24 32.9 +0.4
D54A	baz=230	Lac Fusel, La	67.01	32	P	05 24 36.0 -0.3
WHY	10mm,1.0s	Whitehorse	67.85	353	eP	05 24 42.5 +1.0
LSOQ	baz=229	Lebel-sur-Quev	68.07	30	P	05 24 42.3 -0.6
HYT	baz=229	Haines Junctio	68.35	352	eP	05 24 45.6 +0.9
FCC	7.2mm,0.8s	Fort Churchill	69.01	15	eP	05 24 48.0 -0.6
YKA	10.0mm,0.9s	Yellowknife Ar	69.20	4	P	05 24 49.7 0.0
YKBS	6.4mm,0.7s,baz=182,slow=6.2,SNR=156	Yellowknife Ar	69.20			

2d 6h

Table with columns: TXAR, Lajitas Array, 53.75 295 P, 0.4nm, 0.7s, baz=108, slow=8.0, SNR=4.9

Table with columns: IDC 12 05:48:39.9, 1.8, 11.51S-164.67E, h0km, mb3.6/3, mb1 4.0/4, mb1mx3.6/35, mbtmp3.8/4, ML4.5/1, MS3.4/1

Table with columns: ISCBJ 12 05:49:59.1, 0.4, 15.01S-0.06E, 72.36W, 0.07, h28km, mb3.8/10, Error ellipse: s-maj=12.1km s-min=4.4km

Table with columns: IDC 12 05:50:00.6, 0.7, 14.95S-72.19W, h82km, 4km, mb3.7/10, mb1 3.9/4, mb1mx3.8/31, mbtmp4.1/14, MS2.9/4

Table with columns: VAO 12 05:50:05.7, 0.9, 17.91S-175.17W, h116km, 9km, mb4.8, ISC 12 05:50:00.3, 0.5, 15.03S-0.07E, 72.31W, 0.08, h82km, n67, s1967.0, mb4.0/11, Southern Peru

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, LPAZ La Paz, 4.21 108 P, 27nm, 0.3s, baz=290, slow=10, SNR=563

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Table with columns: PDAR Pinedale Array, 66.92 331 pP, 0.3nm, 0.6s, baz=79, slow=9.4, SNR=1.8

Table with columns: SJA 12 06:03:12.2, 0.5, 34.38S-72.90W, h33km, ML3.9, MW3.6, ISCBJ 12 06:03:18.8, 1.4, 34.2S:0.1, h25km, 18km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, CHPI Pichilemu, 0.40 140 Op, ISC h m s ISC

Table with columns: PEL Peldehue, 1.65 56 eP, Sg, 06 03 49.1 -0.6, comp=E, 2.0m, 0.5s

Table with columns: FCH Farellones, 1.84 66 eP, Sg, 06 03 51.6 -1.7, comp=N, 1.0m, 0.5s

Table with columns: ASAL Salagasta, 3.27 64j eP, Sg, 06 05 15.8 -1.6, RTVC Cerro Valdivia, 3.87 56j eS, Pn, 06 04 10.0 +2.2

Table with columns: APLL PUNTA DE LOS L, 6.13 55j eP, Pn, 06 04 50.0 +0.1, ACERRO CERRO LA CRUZ, 6.51 46 eS, Sg, 06 04 53.9 +0.4

Table with columns: ZAAO Zalesovo Array, 0.89 243 jP, Sg, 06 08 39.4 -0.2, KURK Kurchatov, 5.87 235 jPn, Pn, 06 09 52.3 +1.5

Table with columns: NNC 12 06:08:22.6, 2.3, 54.36N-16.15E, h0km, mb3.5, mpv2.9, 5C-4D, Error ellipse: s-maj=35.0km s-min=11.2km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ZAAO Zalesovo Array, 0.89 243 jP, Sg, 06 08 39.4 -0.2

Table with columns: MK31 Makanchi Array, 7.97 199 Pn, Pn, 06 10 21.8 +2.2, MK31, 0.2nm, 0.3s, baz=25, slow=13, SNR=25

Table with columns: ISCBJ 12 06:08:29.9, 0.8, 44.09N-0.05E, 145.10E, 0.04, h26km, 9km, Error ellipse: s-maj=8.8km s-min=5.1km az=167.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, JRA Rausu, 0.22 185 P, Sg, 06 08 33.4 +0.6

Table with columns: LAGR Lagunnoye, 0.47 102 iP, Pn, 06 08 40.0 0.0, LAGR, 70nm, 0.3s, AMB, AMB, 06 08 41.0

Table with columns: GRPR Turman, 0.48 110 eP, Pn, 06 08 40.0 -0.2, GRPR, 90nm, 0.2s, AMB, AMB, 06 08 40.0

Table with columns: GLVR Golovinno, 0.50 147 iP, Pn, 06 08 40.0 -0.4, GLVR, 150nm, 0.2s, AMB, AMB, 06 08 40.0

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Table with columns: GLVR, Lajitas Array, 53.75 295 P, 0.4nm, 0.7s, baz=108, slow=8.0, SNR=4.9

Table with columns: ISCBJ 12 06:15:52.4, 0.5, 10.75S:0.06E, 166.05E:0.07, h10km, mb4.1/16, MS3.4/6, Error ellipse: s-maj=10.0km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, HNR Honiara, 6.24 282 Op, ISC h m s ISC

Table with columns: HNR Honiara, 6.24 282 ePn, Pn, 06 17 25.9 -0.2, HNR Honiara, 6.24 282 eS, Sg, 06 17 25.9 +0.4

Table with columns: DZM Mont Dzumac, 11.26 179 Pn, Pn, 06 20 39.4 -1.8, DZM Mont Dzumac, 11.26 179 Pn, Pn, 06 20 39.4 -1.8

Table with columns: DZM Mont Dzumac, 11.26 179 Pn, Pn, 06 20 39.4 -1.8, DZM Mont Dzumac, 11.26 179 Pn, Pn, 06 20 39.4 -1.8

Table with columns: CTM Charters Tower, 21.28 242 P, Pn, 06 20 41.7 +0.9, CTM Charters Tower, 21.28 242 P, Pn, 06 20 41.7 +0.9

Table with columns: H1S2 WAKE ISLAND Hy 29.06, 1 T, T, 06 52 15.9, H1S3 WAKE ISLAND Hy 29.07, 1 T, T, 06 52 19.0

Table with columns: STKA Stephens Creek, 30.92 223 P, P, 06 22 11.7 +0.6, STKA Stephens Creek, 30.92 223 P, P, 06 22 11.7 +0.6

Table with columns: WRA Warramunga Arr, 31.95 250 eP, Pn, 06 22 19.2 -1.1, WRA Warramunga Arr, 31.95 250 eP, Pn, 06 22 19.2 -1.1

Table with columns: WRA Warramunga Arr, 31.95 250 eP, Pn, 06 22 19.2 -1.1, WRA Warramunga Arr, 31.95 250 eP, Pn, 06 22 19.2 -1.1

Table with columns: RUM Guam, 32.10 178 LR, LR, 06 34 14.7, RUM Guam, 32.10 178 LR, LR, 06 34 14.7

Table with columns: ASAR Alice Springs, 33.27 243 P, P, 06 22 30.4 -1.5, ASAR Alice Springs, 33.27 243 P, P, 06 22 30.4 -1.5

Table with columns: ASAR Alice Springs, 33.27 243 P, P, 06 22 30.4 -1.5, ASAR Alice Springs, 33.27 243 P, P, 06 22 30.4 -1.5

Table with columns: FITZ Fitzroy Crossi, 39.83 255 P, P, 06 23 27.6 -0.6, FITZ Fitzroy Crossi, 39.83 255 P, P, 06 23 27.6 -0.6

Table with columns: IDC 12 06:16:14.6, 1.1, 25.35S-70.88W, h0km, mb3.7/2, mb1 3.8/3, mb1mx3.6/20, mbtmp3.6/3, ML3.8/1, MS2.8/2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, IDC 12 06:16:14.6, 1.1, 25.35S-70.88W, h0km, mb3.7/2

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like IPOC Station P, Mina Guanaco, IPOC Station P, Copiap, IPOC Station P, IPOC Station P, La Paz, LPAZ, CPUP, RAR, TOR, YKA, ASR, WRA, KURBB, ZALV, MKAR.

NEIC 12 06:18:46.3:0.0, 15:40N:93:93W, h20km, MD4.0(MEX), After MEX.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like PCIG, THIG, CCIG, TEIG.

IDC 12 06:20:58.9:2.4, 40:57N:78:83E, h0km, mb3.4/3, mb1.3/5.6, mb1mx3.3/6.4, mbtmp3.4/8, ML2.9/5, Error ellipse: s-maj=30.6km s-min=22.2km az=186.0

KRNET 12 06:21:01.0:0.1, 40:71N:78:32E, h19km, mb3.8 SOME 12 06:21:01.7, 40:80N:78:32E, h10km BUI 12 06:21:01.0, 40:68N:78:43E, h10km, ML3.4/4 NINC 12 06:21:03.1:0.9, 40:85N:78:38E, h0km, mb4.5, mpv4.2, Error ellipse: s-maj=6.3km s-min=4.7km az=155.0

ISC 12 06:21:02.4:1.3, 40:85N:0:03:78.47E, h4km, 93km, n97, r149/141, 30C-2ZD, Southern Xinjiang

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like TARG, KDJ, PRZ, NRN, ULHL, SATY, KSH, UZB, TNSS, BOOM, MDOK, FRU1, CHMS, DJR, AML, USP.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like PDGK, KNCDC, AAA, KURS, KZSA, MTBS, KST, KTMS, TKM2, DGS, KTBS, KBK, KBK, CHKK, MNBS, ARLS, ARXS, ARXS, KUU, KUU, AAK, AAK, FRU1, CHMS, DJR, AML, USP.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like SFK, SFK, SFK, SFK, EKS2, TDK, TDK, TDK, ARSB, ARSB, MRKS, MRKS, MRKS, KAPS, KAPS, KAPS, MNAS, MNAS, MNAS, MNAS, KK31, KK31, MAKZ, MAKZ, MAKZ, MK31, MK31, MK31, MKAR, MKAR, MKAR, MKAR, WMQ, WMQ, WMQ, CEP, CEP, THW, THW, KURBB, KURBB, BVAR, BVAR, ZALV, ZALV, SONM, SONM, HHC, HHC, HHC, ARCES, ARCES, YKA, YKA.

IDC 12 06:39:16.4:1.2, 24:26N:121:14E, h0km, mb3.3/4, mb1.3/6.5, mb1mx3.4/38, mbtmp3.4/5, ML3.1/1, Error ellipse: s-maj=68.4km s-min=20.9km az=68.0

ISC/JB 12 06:39:24.8:0.3, 24:83N:0:02:121.84E:0:02, h86km, 2km, mb3.2/4, Error ellipse: s-maj=3.2km s-min=2.5km az=170.3

JMA 12 06:39:24.7:0.2, 24:77N:121:82E, h85km, 2km, M3.1 14P 12 06:39:25.6:0.8, 24:79N:121:85E, h79km, ML3.9, B

ISC 12 06:39:25.6:0.8, 24:82N:0:03:121.85E:0:02, h84km, 4km, n123, r0878/189, mb3.2/4, 31C-2D, Taiwan

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like NTC, NTC, ILA, ILA, TIPB, TIPB, TWE, TWE, TWC, TWC, TWC, TWB1, TWB1, NWF, NWF, WFSB, WFSB, TWA, TWA, ENT, ENT, NWT, NWT, NWDH, NWDH.

12d 7h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like TATO Taipei, NDT Datong Townshi, EOS1 EOS1, etc.

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Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like TCU Taichung, SMLT Sun Moon Lake, TYC Yuchr, etc.

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Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes station information for IDC 12 07:07:35.3, 2.5, 4.86N-95.93E, etc.





12d 8h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MTBS, ARXS, KST, SATY, MNBS, TKM2, BOOM, ULHL, UZB, PDGK, TARG, USP, DJR, KAPS.

NNC 12 08:04:24.7-0.5, 42.92N-77.85E, h0km, mb2.9, mpv2.9, Error ellipse: s-maj=4.8km s-min=1.7km az=177.0

SOME 12 08:04:26.0-0.1, 42.92N-77.83E, h20km

KRNET 12 08:04:25.4-0.1, 42.92N-77.83E, h20km, mb2.8, 40C-36D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SATY, PRZ, KURS, MDOK, TNS5, TNS6.

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Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TNS5, IZV, UZB, KDJ, MTBS, CHKK, KTBS, TARG, MNBS, PDGK, ARXS, ULHL, KST, BOOM, KUU, DGS, TNS5, TNS6, KTMS, YKBS, SONA, SONM, ILAR, ILB.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DJR, NRN, KZA, KBK, CHMS, USP, AAK, AAK, AAK, UCH, KAPS, KAPS, ARLS, ARLS, EKS2, AML, AML, MAKZ, MAKZ, MK31, MK31.

ISCJB 12 08:10:15.2-0.4, 56.88S-0.07-26.7W:0.1, h86km, mb4.3/13, Error ellipse: s-maj=12.1km s-min=7.6km

NEIC 12 08:10:20.0: 1.0, 56.95S:26.62W, h119km, 8km, mb4.6/9, Error ellipse: s-maj=8.3km s-min=6.1km az=223.0

IDC 12 08:10:19.6: 5.6, 56.93S:26.58W, h113km, 49km, mb3.9/8, mb1 3.9/9, mb1mx3.7/28, mbtrmp4.2/9, Error ellipse: s-maj=26.0km s-min=17.4km az=48.0

ISC 12 08:10:16.5-0.5, 56.92S-0.10:26.57W:0.09, h86km, n45, 0.98/40, mb4.5/13, South Sandwich Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HOPE, VNA1, VNA3, VNA2, SNA, SNA, SNA, EFI, GO09, QSPA, BDFB, BDFB, VNA, VNA, BOS, LVC, SIV, H10S2, H10S3, H10S1, LBTB, MNMC, H10N1, H10N3, H10N2, LPAZ, LPAZ, TOA0, TORD, TOA1, SDV, ASAR, PDAR, ULM, NVAR, FIAO, FINE, ARAO, ARCS, YKA, YKBS, SONA, SONM, ILAR, ILB.



12d 10h

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like USपालिता, Salagasta, Cerro Coronel, etc.

NEIC 12 08:51:32.6:0.3, 3.25S:129.06E, h10km, mb3.3/16, Error ellipse: s-maj=8.1km, s-min=4.4km, az=65.0

ISCJB 12 08:51:34.7:0.3, 3.30S:128.83E:0.04, h37km, mb4.3/18, MS3.5/8, Error ellipse: s-maj=5.5km, s-min=4.3km, az=140.3

DJA 12 08:51:36.3:1.5, 3.5S:6.12E, h29km, 15km, M4.7/8, mb5.0/5, mB5.2/3, MLV4.6/8, Mw(mB)4.6/3

IDC 12 08:51:39.5:2.2, 3.35S:128.99E, h61km, 22km, mb3.8/8, mb1.4/0.1, mb1mx3.8/29, mbtmp4.1/11, ML3.7/3, MS3.5/10, Ms1.3/5.0, ms1mx3.3/33, Error ellipse: s-maj=20.0km, s-min=10.9km, az=91.0

ISC 12 08:51:36.8:0.5, 3.40S:128.85E:0.05, h37km, n64, r168/61, mb4.4/18, MS3.4/8, Seram

Main table of station data for the 12d 10h period, listing various stations and their parameters.

2013 FEB

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like ZALV Zalesovo Beam, ZAA1 Zalesovo Array, etc.

IDC 12 09:21:57.7: 1.8, 26.69N: 143.50E, h0km, mb3.4/4, mb1.3/6.5, mb1mx3.4/46, mbtmp3.5/5, ML2.9/1, Error ellipse: s-maj=43.1km, s-min=23.6km, az=56.0

ISCJB 12 09:22:00.4: 1.3, 26.7N:0.2:143.7E:0.1, h38km, mb3.5/4, Error ellipse: s-maj=27.9km, s-min=14.6km, az=23.6

ISC 12 09:22:02.2: 1.5, 26.8N:0.2:143.6E:0.2, h38km, n12, r189/7, mb3.6/4, Bonin Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like JCJ Chichijima, MJAR Matsushiro Arr, etc.

IDC 12 09:35:47.4: 1.6, 10.75S:164.46E, h0km, mb3.3/4, mb1.3/6.5, mb1mx3.5/32, mbtmp3.5/5, ML3.8/1, Error ellipse: s-maj=48.9km, s-min=29.4km, az=124.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, H1S2 WAKE ISLAND Hy 29.14, etc.

SOME 12 09:40:34.9, 46.58N:85.13E, h0km, NNC 12 09:40:36.3: 2.1, 46.57N:85.21E, h0km, mb3.5, mpv3.1, Error ellipse: s-maj=17.4km, s-min=8.7km, az=96.0

ISC 12 09:40:38.4: 2.0, 46.57N:0.07:85.1E:0.1, h10km, n14, r247/19, 6C-4D, Northern Xinjiang

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like ZSN Zaisan, MK31 Makanchi Array, etc.

IDC 12 09:42:09.9: 93.0, 18.39S:166.94E, h0km, mb3.6/3, mb1.3/8.3, mb1mx3.4/29, mbtmp3.6/3, MS3.7/2, Ms1.3/7.2, ms1mx2.8/18, Error ellipse: s-maj=1555.0km, s-min=124.0km, az=72.0, Vanuatu Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like RPZ Rata Peaks, STKA Stephens Creek, etc.

IDC 12 09:50:29.4: 11.0, 10.11S:165.28E, h0km, mb3.5/3, mb1.3/8.5, mb1mx3.6/29, mbtmp3.8/5, ML4.4/2, MS2.8/1, Error ellipse: s-maj=51.6km, s-min=33.3km, az=120.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

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Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, H1S2 WAKE ISLAND Hy 28.45, etc.

SOME 12 10:00:00.7, 42.57N:78.93E, h5km, KRNET 12 10:00:02.0: 0.1, 42.65N:79.05E, h35km, mb2.1, NNC 12 10:00:01.5: 1.3, 42.64N:78.92E, h0km, mb2.4, mpv2.2, 11C-8D, Error ellipse: s-maj=10.1km, s-min=3.0km, az=158.0, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like PRZ Przheval'sk, UZB Uzunbulak, SATY Saty, etc.

IDC 12 10:01:54.8: 3.1, 11.18S:165.50E, h0km, mb3.4/3, mb1.3/7.4, mb1mx3.5/30, mbtmp3.6/4, ML3.5/1, Error ellipse: s-maj=68.9km, s-min=40.2km, az=90.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, H1S2 WAKE ISLAND Hy 29.51, etc.

IDC 12 10:23:57.8: 1.4, 11.34S:165.09E, h0km, mb3.7/6, mb1.4/0.7, mb1mx3.7/36, mbtmp3.8/7, ML3.7/1, MS2.9/1, Ms1.2/9.1, ms1mx2.4/25, Error ellipse: s-maj=47.4km, s-min=26.8km, az=127.0

ISCJB 12 10:24:01.2: 0.9, 11.5S:0.1:165.1E:0.1, h34km, mb3.7/6, Error ellipse: s-maj=18.6km, s-min=11.9km, az=33.3

ISC 12 10:24:02.9: 1.0, 11.4S:0.1:165.1E:0.1, h34km, n8, r088/8, mb3.7/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, WRA Warrunganga Arr, etc.

IDC 12 10:29:08.5: 1.8, 11.28S:165.01E, h0km, mb3.5/4, mb1.3/7.5, mb1mx3.5/35, mbtmp3.6/5, ML3.4/1, Error ellipse: s-maj=51.6km, s-min=33.3km, az=120.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes entries for DZM, WRA, ASAR, ILAR, MKAR.

TIR 12 11:06:37.7, 40.94N, 20.77E, h6km, Md3.5/5
ISCJB 12 11:06:38.9, 0.3, 40.97N, 0.01, 20.75E, 0.02, h7km, 2km, mb3.0/7, Error ellipse: s-maj=2.3km s-min=1.7km az=141.5

IDC 12 11:06:38.1, 1.1, 40.90N, 20.67E, h0km, mb3.6/9, mb1 3.8/12, mb1mx3.6/42, mbtmp3.7/12, ML3.6/3, MS2.8/1, Ms1 2.8/1, ms1mx2.2/42, Error ellipse: s-maj=19.5km s-min=13.4km az=133.0

THE 12 11:06:39.3, 40.94N, 20.79E, h0km, 1km, ML3.3/13, Error ellipse: s-maj=1.8km s-min=0.6km az=269.0
ATH 12 11:06:39.1, 40.94N, 20.81E, h1.4km, 1km, ML3.4/10, Error ellipse: s-maj=1.5km s-min=0.8km az=173.0

BE0 12 11:06:39.0, 0.6, 40.87N, 20.77E, h14km, 5km, ML3.3/7
SKO 12 11:06:39.0, 40.90N, 20.68E, h4km, Ms0, ML3.4
PDG 12 11:06:40.0, 0.7, 40.97N, 20.80E, h2km, 1km, ML3.6/11, Error ellipse: s-maj=0.7km s-min=1.1km az=0.0

ISC 12 11:06:39.3, 0.9, 40.93N, 0.01, 20.77E, 0.02, h10km, 6km, n163, r122/226, mb3.8/7, 24C-9D, Greece-Albania

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ohrd, Bitola, Nestorio, Krusevo, etc.

Main station list table with columns: THL, AML, AML, Time, Res. Includes stations like THEssaloniki, DRIME, DRIME, etc.

Main station list table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GERES, FETA, FOTA, etc.

12D 12h

WRA Warramunga Arr 43.85 275 P P 11 51 28.6 +1.2
FINES FINES Array B 147.34 338 PKPbc PKPbc 12 03 04.9 +1.4

IDC 12 11:55:15.2:2.2, 147.78N:93.20E, h10km, mb3.2/3, mb1 3.4/4, mb1mx3.2/4, mbtmp3.2/4, ML3.7/1, Error ellipse: s-maj=63.3km s-min=30.9km az=67.0, Andaman Islands region

Code Station Name Az AZZ Phase ID Time Res
CMAR Chiang Mai Arr 6.61 56 Pn 11 56 33.9 +0.1
MKAR Makanchi Array 33.19 346 P 12 01 53.6 -0.1

DJA 12 12:02:59.0:0.3, 9.5S:9.13E, h118km, 48km, M4.5/6, mb4.3/5, mb4.8/2, MLV4.6/6, Mw(MB)4.1/2, Banda Sea
SAUI Saumlaki 2.07 137 P 12 03 24.8 +0.2
FAKI Fak Fak 4.24 34 Pn 12 03 52.6 -0.5

ISCJJB 12 12:02:59.0:0.3, 2.14S:0.04:102.05E:0.04, h191km, 3km, mb4.2/21, Error ellipse: s-maj=8.7km s-min=3.7km az=141.1, NEIC 12 12:03:00.2:0.5, 2.20S:102.04E, h182km, 4km, mb4.3/12, Error ellipse: s-maj=13.1km s-min=4.4km az=50.0

IDC 12 12:03:00.4:2.1, 2.22S:101.97E, h183km, 20km, mb3.8/12, mb1 3.9/13, mb1mx3.6/43, mbtmp4.3/13, MS3.6/1, Ms1 3.6/1, ms1mx2.6/49, Error ellipse: s-maj=28.8km s-min=10.7km az=56.0

DJA 12 12:03:00.9:0.2, 2.52S:10.22E, h180km, 2km, M4.2/25, mb4.4/314, mb4.9/16, MLV4.3/25, Mw(MB)4.1/6, ISC 12 12:03:00.6:0.6, 2.13S:0.05:102.06E:0.05, h185km, 6km, mb4.1:434/91, mb4.3/21, Southern Sumatara

Code Station Name Az AZZ Phase ID Time Res
KRJI Kerinci 0.60 273 P 12 03 27.6 +1.1
MASI Maura Aman, Be 1.02 170 P 12 03 30.1 +1.1
MASI Maasi 1.02 170 P 12 03 52.9 +1.5

PSI Prapat 5.81 327 eP 12 04 24.1 -1.2
PSI Prapat 5.81 327 eP 12 04 24.6 -0.7

IPM Iloh 6.64 351 eP 12 04 37.5 +1.4
KCSI Kotacane, Aceh 7.06 323 Pn 12 04 39.9 -1.7

TPTI 46nm, 0.6s, 809nm, 2mm 7.224 318 P 12 04 42.8 -1.2
SNSI Sinabang, Aceh 7.29 306 P 12 04 44.6 0.0

KULM Kulim 7.50 349 eP 12 04 47.0 -0.4
CISI Cisompet, Garu 7.87 133 eP 12 04 49.8 -2.4

CMSI Cimerak 7.87 133 P 12 04 49.6 -2.6
CMIJ Cimerak 8.49 132 P 12 05 02.0 +1.7

LHMI Lhok Sumawe 8.92 325 eP 12 05 04.9 -1.0
XMSI Christmas Is 9.03 157 eP 12 05 07.7 -6.7

UGM Unguningsitoli 5.63 307 eP 12 05 23.8 -0.1
GSI Gunungisitoli 5.63 307 P 12 05 24.2 -0.1

PSI Prapat 5.81 327 eP 12 04 24.1 -1.2
PSI Prapat 5.81 327 eP 12 04 24.6 -0.7

IPM Iloh 6.64 351 eP 12 04 37.5 +1.4
KCSI Kotacane, Aceh 7.06 323 Pn 12 04 39.9 -1.7

TPTI 46nm, 0.6s, 809nm, 2mm 7.224 318 P 12 04 42.8 -1.2
SNSI Sinabang, Aceh 7.29 306 P 12 04 44.6 0.0

KULM Kulim 7.50 349 eP 12 04 47.0 -0.4
CISI Cisompet, Garu 7.87 133 eP 12 04 49.8 -2.4

CMSI Cimerak 7.87 133 P 12 04 49.6 -2.6
CMIJ Cimerak 8.49 132 P 12 05 02.0 +1.7

LHMI Lhok Sumawe 8.92 325 eP 12 05 04.9 -1.0
XMSI Christmas Is 9.03 157 eP 12 05 07.7 -6.7

UGM Unguningsitoli 5.63 307 eP 12 05 23.8 -0.1
GSI Gunungisitoli 5.63 307 P 12 05 24.2 -0.1

PSI Prapat 5.81 327 eP 12 04 24.1 -1.2
PSI Prapat 5.81 327 eP 12 04 24.6 -0.7

IPM Iloh 6.64 351 eP 12 04 37.5 +1.4
KCSI Kotacane, Aceh 7.06 323 Pn 12 04 39.9 -1.7

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MAJO Matsushiro 51.10 38 eP P 12 11 44.8 +0.3
MJAR Matushiro 51.10 38 P 12 11 44.8 +0.3

MK01 Makanchi Array 51.73 343 eP P 12 11 49.2 +0.4
MK31 Makanchi Array 51.73 343 eP P 12 11 49.4 +0.4

MK32 Makanchi Array 51.73 343 eP P 12 11 49.0 0.0
MKAR Makanchi Array 51.73 343 eP P 12 11 49.2 +0.3

MKAR Makanchi Array 51.73 343 P 12 11 49.0 0.0
USRK Ussuriysk Arr 53.32 27 P P 12 12 02.1 +1.4

ZALV Zalesovo Beam 57.70 348 P P 12 12 31.6 0.0
ZAA1 Zalesovo Array 57.70 348 eP P 12 12 31.6 -0.1

ASAJ Asahikawa 58.57 33 LR 12 12 39.7 1.7
ABKAR Akbulak Array 62.75 330 eP P 12 13 06.0 -0.1

PETK Petropavlovsk 71.90 32 P 12 14 03.6 +0.1
PEA1 Petropavlovsk 71.90 32 eP P 12 14 03.6 +0.1

BR101 Keskin Array S 74.93 312 eP P 12 14 21.5 -0.2
BRTR Keskin Array B 74.93 312 P 12 14 21.5 -0.2

PDAR Pinedale Array 130.66 31 SKPbc SKPbc 12 24 55.1 -1.7
LTX Lajitas 143.52 40 ePKP P 12 22 12.7 +0.8

TXAR Lajitas Array 143.52 40 ePKP P 12 22 12.7 +0.8
JSN 12 12:21:31.3:0.6, 19.81N:76.77W, h15km, 348km, MD3.8, 5D, Cuba region

Code Station Name Az AZZ Phase ID Time Res
STH Stony Hill 1.73 181 P 12 21 59.3 -1.5

GJW Greenwich 1.73 179 P 12 21 59.5 -1.5
HOJ Hope 1.80 179 P 12 22 00.6 -1.2

MCJ Malvern 2.07 205 P 12 22 04.3 -1.3
PCJ Portland Cotta 2.09 190 P 12 22 29.3 -1.8

ISCJJB 12 12:24:02.0:0.8, 11.11S:0.1:165.8E:0.1, h10km, mb4.1/11, MS3.3/3, Error ellipse: s-maj=15.6km s-min=14.2km az=162.7

IDC 12 12:24:02.2:1.3, 10.88S:165.83E, h0km, mb3.9/6, mb1 4.1/8, mb1mx3.8/41, mbtmp4.0/8, ML4.4/2, MS3.4/4, Ms1 3.4/4, ms1mx3.0/28, Error ellipse: s-maj=34.5km s-min=23.5km az=137.0

NEIC 12 12:24:04.0:0.9, 10.92S:165.75E, h10km, mb4.2/5, Error ellipse: s-maj=20.3km s-min=15.6km az=115.0

ISC 12 12:24:04.3:0.9, 10.93S:165.74E:0.09, h10km, n30, s1996/22, mb4.1/11, MS3.4/3, Santa Cruz Islands

Code Station Name Az AZZ Phase ID Time Res
HNR Honiara 5.88 284 eP 12 25 34.0 +2.4

HNR Honiara 5.88 284 eP 12 25 34.0 +2.4
HNR Honiara 5.88 284 eP 12 25 33.8 +2.2

HNR Honiara 5.88 284 eP 12 25 33.8 +2.2
HNR Honiara 5.88 284 eP 12 25 33.8 +2.2

HNR Honiara 5.88 284 eP 12 25 33.8 +2.2
HNR Honiara 5.88 284 eP 12 25 33.8 +2.2

HNR Honiara 5.88 284 eP 12 25 33.8 +2.2
HNR Honiara 5.88 284 eP 12 25 33.8 +2.2

HNR Honiara 5.88 284 eP 12 25 33.8 +2.2
HNR Honiara 5.88 284 eP 12 25 33.8 +2.2

HNR Honiara 5.88 284 eP 12 25 33.8 +2.2
HNR Honiara 5.88 284 eP 12 25 33.8 +2.2

HNR Honiara 5.88 284 eP 12 25 33.8 +2.2
HNR Honiara 5.88 284 eP 12 25 33.8 +2.2

HNR Honiara 5.88 284 eP 12 25 33.8 +2.2
HNR Honiara 5.88 284 eP 12 25 33.8 +2.2

HNR Honiara 5.88 284 eP 12 25 33.8 +2.2
HNR Honiara 5.88 284 eP 12 25 33.8 +2.2

HNR Honiara 5.88 284 eP 12 25 33.8 +2.2
HNR Honiara 5.88 284 eP 12 25 33.8 +2.2

HNR Honiara 5.88 284 eP 12 25 33.8 +2.2
HNR Honiara 5.88 284 eP 12 25 33.8 +2.2

HNR Honiara 5.88 284 eP 12 25 33.8 +2.2
HNR Honiara 5.88 284 eP 12 25 33.8 +2.2

HNR Honiara 5.88 284 eP 12 25 33.8 +2.2
HNR Honiara 5.88 284 eP 12 25 33.8 +2.2

HNR Honiara 5.88 284 eP 12 25 33.8 +2.2
HNR Honiara 5.88 284 eP 12 25 33.8 +2.2

1000

ASHT Ashkhabad 1.02 54 ePg Pn 12 27 18.8 -0.2
MRVT Maraveh tapeh 1.04 288 ePg Pn 12 27 15.6 -3.4

MRVT Maraveh tapeh 1.04 288 ePg Pn 12 27 15.6 -3.4
IEMG Emangholi 1.05 86 ePg Pn 12 27 16.4 -2.8

IEMG Emangholi 1.05 86 ePg Pn 12 27 16.4 -2.8
IKRD Kardeh 1.10 121 ePn Pg 12 27 30.3 +1.0

IKRD Kardeh 1.10 121 ePn Pg 12 27 30.3 +1.0
IAKL Akhmed 1.36 123 ePg Pn 12 27 22.0 -1.9

IAKL Akhmed 1.36 123 ePg Pn 12 27 22.0 -1.9
IMND Minoodasht 1.54 267 ePn Pn 12 27 25.7 -0.5

IMND Minoodasht 1.54 267 ePn Pn 12 27 25.7 -0.5
IPAY Payeh 1.60 124 ePn Pn 12 27 26.1 -1.1

IPAY Payeh 1.60 124 ePn Pn 12 27 26.1 -1.1
SHRO Shrood 1.73 219 ePn Pn 12 27 27.0 -1.9

SHRO Shrood 1.73 219 ePn Pn 12 27 27.0 -1.9
SHRO Shrood 1.73 219 ePg Pn 12 27 26.9 -1.9

SHRO Shrood 1.73 219 ePg Pn 12 27 26.9 -1.9
IMYA Miami 2.43 114 ePn Pn 12 27 40.1 +1.5

IMYA Miami 2.43 114 ePn Pn 12 27 40.1 +1.5
IANJ Anjilo 3.34 237 ePn Pn 12 27 51.3 +0.1

IANJ Anjilo 3.34 237 ePn Pn 12 27 51.3 +0.1
TNSJ Nastanj 3.43 190 ePn Pn 12 27 52.3 0.0

TNSJ Nastanj 3.43 190 ePn Pn 12 27 52.3 0.0
ISHM Shahmirzad 3.60 246 ePn Pn 12 27 55.7 +0.9

ISHM Shahmirzad 3.60 246 ePn Pn 12 27 55.7 +0.9
TKDS Koodhasht(Taba 3.73 183 ePn Pn 12 27 56.5 +0.1

TKDS Koodhasht(Taba 3.73 183 ePn Pn 12 27 56.5 +0.1
IALA Alasht 3.85 252 ePn Pn 12 28 00.3 +2.1

IALA Alasht 3.85 252 ePn Pn 12 28 00.3 +2.1
ILAS Lasjerd 4.05 242 ePn Pn 12 28 01.0 +0.2

ILAS Lasjerd 4.05 242 ePn Pn 12 28 01.0 +0.2
IFIR Firoozkoh 4.07 247 IAMB IAMB 12 28 07.2

IFIR Firoozkoh 4.07 247 IAMB IAMB 12 28 07.2
IFIR Peran 4.17 256 ePn Pn 12 28 08.1 +0.6

IFIR Peran 4.17 256 ePn Pn 12 28 08.1 +0.6
TPRV Parvadeh(Tabas 4.35 187 ePn Pn 12 28 04.9 +0.1

TPRV Parvadeh(Tabas 4.35 187 ePn Pn 12 28 04.9 +0.1
SHRT Shahrakht 4.41 146 ePn Pn 12 28 06.2 +0.5

SHRT Shahrakht 4.41 146 ePn Pn 12 28 06.2 +0.5
IMON Monand 4.56 155 IAMB IAMB 12 28 11.5

IMON Monand 4.56 155 IAMB IAMB 12 28 11.5
ITEG Tejav 4.59 165 IAMB IAMB 12 28 11.1

ITEG Tejav 4.59 165 IAMB IAMB 12 28 11.1
IDMV Damavand 4.63 249 ePn Pn 12 28 10.9 +2.0

IDMV Damavand 4.63 249 ePn Pn 12 28 10.9 +2.0
IDAH Dahanechah 5.05 155 ePn Pn 12 28 15.3 +0.7

IDAH Dahanechah 5.05 155 ePn Pn 12 28 15.3 +0.7
ANAR Anarak 5.10 216 ePn Pn 12 28 14.9 -0.3

ANAR Anarak 5.10 216 ePn Pn 12 28 14.9 -0.3
IKOO Koooshah 5.10 164 ePn Pn 12 30 04.9 +0.1

IKOO Koooshah 5.10 164 ePn Pn 12 30 04.9 +0.1
ISFB Sefidab 5.11 236 ePn Pn 12 28 15.5 +0.2

ISFB Sefidab 5.11 236 ePn Pn 12 28 15.5 +0.2
KRSH Karshahi 5.42 203 ePn Pn 12 28 20.1 +0.5

KRSH Karshahi 5.42 203 ePn Pn 12 28 20.1 +0.5
YZKH Yazd 5.44 205 ePn Pn 12 28 19.0 -0.9

YZKH Yazd 5.44 205 ePn Pn 12 28 19.0 -0.9
YZKH Yazd 5.44 205 ePn Pn 12 28 19.0 -0.9

YZKH Yazd 5.44 205 ePn Pn 12 28 19.0 -0.9
YZKH Yazd 5.44 205 ePn Pn 12 28 19.0 -0.9

YZKH Yazd 5.44 205 ePn Pn 12 28 19.0 -0.9
YZKH Yazd 5.44 205 ePn Pn 12 28 19.0 -0.9

YZKH Yazd 5.44 205 ePn Pn 12 28 19.0 -0.9
YZKH Yazd 5.44 205 ePn Pn 12 28 19.0 -0.9





12D 13h

Table with columns: Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Karatobe, Karatay Array, Podgornoye, etc.

NEIC 12 12:31:20.40±0.17, 00N:95.26W, h104km, MD4.2(MEX), After MEX.

MEX 12 12:31:18.3±0.1, 06.98N:95.16W, h120km±13km, MD4.2, Oaxaca

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Matias Romero, Huatulco, Comitán, etc.

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IDC 12 12:33:32.8±1.9, 10.97S:165.22E, h0km, mb3.5/3, mb1 3.9/4, mb1mx3.5/37, mbtmp3.7/4, ML3.9/1, MS2.7/1, Ms1 2.7/1, ms1mx2.4/15, Error ellipse: s-maj=53.1km s-min=33.6km az=126.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Honiara, Mont Dzumac, Warramunga Arr, etc.

HEL 12 12:34:21.3±0.4, 63.09N:39.94E, h0km, ML2.1, Explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Klimovskoe, Joensuu, Riieki, etc.

SOME 12 12:52:08.4, 42.53N:79.63E, h15km, KRNET 12 12:52:08.9±0.1, 42.63N:79.85E, mb2.4

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Uzynbulak, Podgornoye, Przewalsk, etc.

NNC 12 12:52:09.0±1.2, 42.61N:79.63E, h0km, mb2.9, mpv2.6, 10C-10D, Error ellipse: s-maj=7.8km s-min=4.3km az=136.0, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Uzynbulak, Podgornoye, Przewalsk, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Karatay Array, Podgornoye, etc.

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Table with columns: Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Kapalarasan, Boomsoko usch, Degeres, etc.

ISCBJ 12 13:15:23.7±0.6, 7.84S:0.05E, 127.74E±0.05, h150km, mb3.5/4, Error ellipse: s-maj=7.6km s-min=7.0km az=6.1

IDC 12 13:15:23.9±1.8, 7.71S:127.55E, h180km±20km, mb3.1/3, mb1 3.6/8, mb1mx3.4/28, mbtmp4.0/8, Error ellipse: s-maj=22.2km s-min=19.0km az=120.0

NEIC 12 13:15:24.3±0.9, 7.80S:127.75E, h125km±18km, mb4.1/3, Error ellipse: s-maj=14.8km s-min=10.8km az=171.0

ISC 12 13:15:22.0±0.8, 7.83S:0.07E, 127.75E±0.08, h150km, n19, s=295/21, mb3.5/4, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Saumlaki, Soe, Baunata, etc.

DDA 12 13:24:16.7, 39.07N:29.48E, h12km±1km, ML2.6, ISK 12 13:24:16.9, 39.10N:29.49E, h6km, ML2.1/7

ISCBJ 12 13:24:17.6±0.4, 39.08N:0.03E, 29.48E±0.03, h6km±3km, Error ellipse: s-maj=4.4km s-min=4.2km az=32.9

ISC 12 13:24:17.1±0.8, 39.07N:0.03E, 29.50E±0.03, h13km±5km, n17, s=034/28, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Gediz, Saphane-Kutahya, etc.

NIED 12 13:29:00, 36.40N:141.00E, h26km, Mw3.6 Best double couple: Mb3.24000±1014, NP1.9±283.00000, s16.00000, A152.00000, NIP2.0±40.00000, s883.00000, 1.76.00000, IDC 12 13:29:28.8±0.7, 36.34N:141.06E, h0km, mb3.7/12, mb1 3.8/16, mb1mx3.7/54, mbtmp3.8/16, ML3.2/3, MS2.6/4, Ms1 2.6/4, ms1mx2.4/41, Error ellipse: s-maj=20.0km s-min=13.7km az=106.0







12d 16h

ISC 12 15:45:30.1-0.5, 10.94S, 0.06:165.90E, 0.07, h10km, n46, c122/49, mb3.1/7, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Honiara, Mont Dzumac, WAKE ISLAND, etc.

IDC 12 15:57:19.1-7.1, 2.51S, 102.24E, h0km, mb3.5/3, mb1 3.6/3, mb1mx3.3/39, mbtmp3.5/3, Error ellipse: s-maj=387.7km s-min=26.0km az=52.0

ISCJB 12 15:57:35.6-0.7, 2.45S, 0.1:102.32E, 0.1, h150km, mb3.2/3, Error ellipse: s-maj=21.1km s-min=8.4km az=40.5

DJA 12 15:57:38.0-0.6, 3.26S, 101.22E, 0.1, h135km, 5km, M3.4/10, ML3.4/4

ISC 12 15:57:36.4-1.0, 2.65S, 0.1:102.2E, 0.1, h150km, n13, c122/13, mb3.3/3, Southern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Maura Aman, Kerinci, Lahat, etc.

ISCJB 12 16:05:01.0-1.2, 11.26S, 0.08:165.9E, 0.2, h10km, mb3.6/5, Error ellipse: s-maj=23.2km s-min=10.3km az=162.2

IDC 12 16:05:00.6-1.3, 11.17S, 165.93E, h0km, mb3.6/5, mb1 3.9/7, mb1mx3.6/38, mbtmp3.8/7, ML4.2/2, MS3.3/1, Ms1 3.3/1, ms1mx2.6/28, Error ellipse: s-maj=35.6km s-min=25.9km az=109.0

ISC 12 16:05:02.4-1.2, 11.22S, 0.1:165.9E, 0.2, h10km, n13, c122/10, mb3.8/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Honiara, Mont Dzumac, WAKE ISLAND, etc.

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0.3nm, 0.7s, baz=238, slow=4.5, SNR=5.3 MKAR Makanchi Array 93.72 317 P 16 18 20.9 +1.3

NIED 12 16:13:00.38-90N, 142.50E, h32km, Mw3.5 Best double couple: M1.95000x1014 NP1.357.00000, s13.00000, lambda-138.00000, NP2.236.00000, s88.00000, lambda-138.00000

ISCJB 12 16:13:27.1-1.3, 38.88N, 0.04:142.53E, 0.07, h24km, 7km, mb3.5/4, Error ellipse: s-maj=10.5km s-min=5.7km az=26.3

JMA 12 16:13:28.7-0.1, 38.91N, 142.45E, h35km, 2km, M3.8 JMA Felt J1

IDC 12 16:13:32.2-3.0, 38.84N, 142.48E, h64km, 27km, mb3.2/4, mb1 3.4/7, mb1mx3.1/57, mbtmp3.5/7, ML2.7/3, MS2.7/1, Ms1 2.7/1, ms1mx2.3/23, Error ellipse: s-maj=34.8km s-min=21.3km az=106.0

ISC 12 16:13:28.8-1.8, 38.92N, 0.04:142.36E, 0.07, h27km, 12km, n26, c128/30, mb3.5/4, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Ofunato, Kesunatomotoy, Miyakonagasawa, etc.

IDC 12 16:14:12.0-3.9, 7.26S, 144.59E, h0km, mb3.8/3, mb1 3.9/5, mb1mx3.5/32, mbtmp3.8/5, ML3.4/2, Error ellipse: s-maj=109.6km s-min=32.2km az=99.0, Near south coast of New Guinea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Warramunga Arr, Alice Springs, etc.

NIED 12 16:30:00.24-50N, 123.30E, h47km, Mw4.1 Best double couple: M1.54000x1015 NP1.357.00000, s13.00000, lambda-138.00000, NP2.236.00000, s88.00000, lambda-138.00000

ISCJB 12 16:30:57.6-0.3, 24.50N, 0.06:123.24E, 0.03, h68km, 3km, mb3.9/20, Error ellipse: s-maj=10.7km s-min=5.1km az=178.7

IDC 12 16:30:57.9-3.1, 24.59N, 123.32E, h56km, 29km, mb3.6/20, mb1 3.8/21, mb1mx3.7/43, mbtmp3.9/21, ML2.9/1, MS2.7/6, Ms1 2.8/6, ms1mx2.6/45, Error ellipse: s-maj=18.7km s-min=11.6km az=67.0

JMA 12 16:30:59.2-0.1, 24.50N, 123.29E, h58km, 1km, M4.1 JMA Felt J1

ISC 12 16:30:58.5-0.7, 24.53N, 0.07:123.26E, 0.04, h62km, 6km, n37, c096/47, mb3.9/20, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like Yonaguni jima, Yonagunijimaku, Iriomote-Funau, etc.

1006

comp=Z.25nm, 20.5s, baz=200, slow=38 MKAR Makanchi Array 39.42 315 P 16 38 22.5 +0.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like ZALV, Kurba, WRA, etc.

IDC 12 16:37:49.6-3.9, 6.94S, 148.17E, h0km, mb3.1/2, mb1 3.3/3, mb1mx3.1/27, mbtmp3.1/3, ML3.2/1, MS3.4/3, Ms1 3.3/3, ms1mx2.9/17, Error ellipse: s-maj=114.3km s-min=32.7km az=108.0, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like WRA, GUM, ASAR, etc.

ISCJB 12 16:45:53.0-0.4, 47.27N, 0.02:142.16E, 0.06, h13km, 3km, mb3.4/10, MS3.5/1, Error ellipse: s-maj=6.9km s-min=3.3km az=178.8

JMA 12 16:45:53.0-0.4, 47.47N, 142.42E, h49km, M3.4 IDC 12 16:45:53.7-0.8, 46.96N, 142.51E, h0km, mb3.3/7, mb1 3.6/8, mb1mx3.4/50, mbtmp3.3/8, ML1.7/1, MS3.5/1, Ms1 3.3/3, ms1mx2.4/29, Error ellipse: s-maj=30.5km s-min=16.3km az=141.1

SKHL 12 16:45:53.0-0.5, 47.30N, 142.11E, h7km, 2km, mb4.1/9 SKHL Felt (II-IV) at Yablochnoye, (II-III) at Kostromskoye, Kholmok, Bykov

MOS 12 16:45:54.4-2.3, 47.26N, 142.09E, h10km, mb4.0/3, Error ellipse: s-maj=20.0km s-min=8.0km az=88.7

MOS Felt (III-IV) at Yablochny; (II-III) at Bykov, Kostromskoye, Kholmok

ISC 12 16:45:55.2-0.7, 47.24N, 0.02:142.23E, 0.04, h10km, 4km, n34, c141/48, mb3.5/10, 4C-4D, Sakhalin Island

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like KHLM, YSS, NEVF, etc.









12d 17h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KDJ Kajisay, AAK Ala-Archa, ZAAO Zalesovo Array, etc.

NIED 12 17:10:00, 41:30N, 142:90E, h32km, Mw3.8 Best double couple: M0.90000x1014 NP1.30x340.00000, X.93.00000, lambda=5.00000... NP2.75.00000, 890.00000, lambda=93.00000

JMA Felt 1 J1, IDC 12 17:10:46.8, 1.9, 41:39N, 142:74E, h59km, 6.16m, 73.7/17, mb 1.3, 6/22, mb1mx3.750, mbtmp3.9/22, MS2.9/6, Ms1 2.9/6, ms1mx2.6/44, Error ellipse: s-maj=10.7km, s-min=11.6km az=114.0

ISC 12 17:10:41.5, 1.3, 41:140N, 0:04:142:88E, 0.04, h15km, 8km, m5.3, s19/67, mb4.0/18, 3C-3D, Hokkaido region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like JEM Erimo, JNBK Urakawa-nobuka, JTHR Tokachihiro, etc.

2013 FEB

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like KURBB Kurchatov Arra, ILAR Eielson Array, INK Inuvik, etc.

SJA 12 17:11:36.0, 0.8, 24:10S, 66:74W, h223km, 16km, ML2.9, MW3.1, ISCJB 12 17:11:37.5, 0.9, 24:19S, 0:04:66:90W, 0:06, h27.0km, 10km, Error ellipse: s-maj=10.5km s-min=4.5km az=144.7

GUC 12 17:11:38.0, 0.4, 24:07S, 67:34W, h240km, 7km, ML4.0, ISC 12 17:11:36.0, 2.2, 24:16S, 0:06:66:84W, 0.08, h220km, 20km, n18, s15/32, 6C-2D, Salta Province

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SLA San Lorenzo, SLA Limon Verde, LVC IPOC Station P, etc.

JSN 12 17:15:28.3, 1.0, 19:10N, 72:75W, h0km, 999km, MD4.7, IDC 12 17:15:35.1, 1.2, 18:16N, 73:68W, h0km, mb3.5/3, mb2.1, 0.4/4, mb1mx3.5/40, mbtmp3.7/4, ML3.2/1, MS2.8/1, Ms1 2.8/1, ms1mx2.2/30, Error ellipse: s-maj=43.8km, s-min=31.0km az=65.0

ISCJB 12 17:15:39.8, 1.1, 18:03N, 0:08:73:39W, 0.10, h33km, mb3.5/3, Error ellipse: s-maj=15.1km s-min=7.9km az=144.5

ISC 12 17:15:40.0, 0.9, 18:14N, 0:08:73:4W, 0.11, h35km, n26, s19/87, mb3.4/3, 2D, Haiti region

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like GWJ Greenwich, HOJ Hope, STH Stony Hill, etc.

1010

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BJRJ Bojnurd, BJRJ Bojnurd, Sfrayin, GEYT Alibeck, etc.















Table with columns: Station Name, Frequency, Power, Modulation, Bandwidth, and other technical details. Includes stations like TKM2 Tokmak 2, BOOM Boomskiye usch, KST KasteK, etc.

Table with columns: Station Name, Frequency, Power, Modulation, Bandwidth, and other technical details. Includes stations like PDGK, PDKG, KAPS, KAPAS, etc.

Table with columns: Station Name, Frequency, Power, Modulation, Bandwidth, and other technical details. Includes stations like PKIN, PKI, JIRN, GNI, etc.



Table with columns: MDOK, TNSS, TNS, etc. and rows of astronomical data including station names, coordinates, and observations.

IDC 12 20:17.44.2.0.2, 60.32S:31.80W, h0km, mb.6/16, mb1 4.7/18, mb1mx4.6/28, mbtmp4.6/18, ML3.9/2, MS4.0/14, Ms1 4.0/14, ms1mx3.9/17, Error ellipse: s-maj=16.5km s-min=15.5km az=72.0

ISCJB 12 20:17.44.2.0.2, 60.32S:31.82W, 0.09, h10km, mb5.0/57, MS4.2/15, Error ellipse: s-maj=7.1km s-min=4.2km az=155.9

MOS 12 20:17.45.6.1.5, 60.33S:32.05W, h14km, mb5.2/16, Error ellipse: s-maj=26.1km s-min=10.4km az=106.7

NEIC 12 20:17.46.8.0.6, 60.33S:31.90W, h15km, mb5.2/44, Error ellipse: s-maj=6.5km s-min=5.0km az=48.0

BUI 12 20:17.49.0.60, 40.50S:32.00W, h33km, mb5.3/8, Ms5.4/4, Ms7.5/14

GCMT 12 20:17.49.8.0.3, 60.60S:02.31.76W, 0.06, h12km, MW5.0/81, Moment Tensor Solution. s29,c35; s81,c114; Duration: 0 Moment tensor: Scale 10^16Nm; Mr-2.53; 12; Mbb2.25; 10; Mbb0.28; 11; Mbb1.68; 36; Mbb1.55; 09; Mbb0.40; 39; Best double couple: M33.33900x10^16 Nf1=263.00000; b61.00000; A=65.00000; Nf2=69.3900000; b37.00000; A=127.00000; Principal axes: T 3.3950, P13.0000; Azm335.0000; N -0.1110; P1g21.0000; Azm70.0000; P -3.2820, P1g65.0000; Azm216.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 12 20:17.45.8.0.3, 60.44S:005.31.72W, 0.06, h10km, n258, a180/267, mb5.1/55, MS4.1/15, 3C, Scotia Sea

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, and rows of station and observation data.

Main table with columns: G003, VNSA, BSFB, etc. and rows of astronomical data including station names, coordinates, and observations.

Main table with columns: TORD, TORI, TOA1, etc. and rows of astronomical data including station names, coordinates, and observations.





Table with columns: KST, KasteK, 3.51 294 eP, P, 20 59 54.5 -0.5, etc.

IDC 12 21:11:04.3:0.6, 27:01N:53:98E, h0km, mb4.0/26, mb1.4/13.1, mb1mx4.0/5.1, mbtmp3.9/3.1, ML3.5/5, MS3.2/4, Ms1 3.2/4, ms1mx2.8/4.7, Error ellipse: s-maj=15.8km s-min=12.7km az=174.0

TEH 12 21:11:06.0:27:16N:54:04E, h10km, ML4.0 THR 12 21:11:07.9:27:18N:54:28E, h14km, ML4.0 NEIC 12 21:11:07.9:0.0:27:18N:54:28E, h14km, mb3.9/2.1, ML4.0(THR), MN4.0(TEH), After THR.

OMAN 12 21:11:07.6:0.8:27:35N:54:27E, h7km, 35km, ml4.0/15, Error ellipse: s-maj=64.7km s-min=3.4km az=321.0 DSN 12 21:11:09.4:0.6:27:13N:54:15E, h10km, mb4.2/1, ML3.8/1.1, Error ellipse: s-maj=6.8km s-min=6.0km az=49.0

ISC 12 21:11:05.7:1.4, 27:16N:03:54:14E, 0.04, h5km, 8km, n176, r197/194, mb4.0/52, MS3.6/4, IC, Southern Iran

Main table for station 1021 with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

Main table for station 2013 FEB with columns: ANAR, Anarak, 6.02 357 ePn, Pn, 21 12 37.3 +1.8, etc.

Main table for station 12d 21h with columns: KURBB, Kurchatov Arra, 29.90 32 P, P, 21 17 15.6 +1.4, etc.

ISCJB 12 21:41:25.7:0.5, 45:61N:0:08:142:7E:0.1, h337km, 5km, mb2.8/7, Error ellipse: s-maj=12.7km s-min=11.6km az=41.7

IDC 12 21:41:26.5:0.7, 45:76N:142:69E, h322km, 10km, mb2.6/7, mb1.2/9.9, mb1mx2.7/5.8, mbtmp3.4/9, Error ellipse: s-maj=22.2km s-min=16.9km az=154.0

JMA 12 21:41:26.8:0.3, 45:65N:142:63E, h329km, 2km, M3.0 ISC 12 21:41:26.3:0.7, 45:61N:0:08:142:7E:0.08, h332km, 7km, n27, r141/35, mb3.0/7, Hokkaido region

Main table for station 12d 21h (continued) with columns: Code, Station Name, Az, Phase ID, Time, Res, etc.

IDC 12 21:42:27.8:1.1, 19:49N:64:60W, h0km, mb3.5/6, mb1 3.7/8, mb1mx3.5/4.2, mbtmp3.5/8, ML2.8/2, M5.2/7.1, Ms1 2.7/1, ms1mx2.2/3.8, Error ellipse: s-maj=28.8km s-min=19.9km az=134.0

ISCJB 12 21:42:30.8:0.6, 19:65N:0:04:64:74W:0.05, h27km, mb3.5/6, Error ellipse: s-maj=6.2km s-min=5.2km az=0.8 NEIC 12 21:42:31.5:0.0, 19:72N:64:70W, h4km, MD3.4(RSPR), After RSPR.

RSRP 12 21:42:31.5, 19:72N-64:70W, h49km, 7km, MD3/4/8
ISC 12 21:42:32.0, 7, 19.59N-005:64.76W, 0.05, h27km, n39,
e=133/51, mb3.5/6, 19C-2D, Virgin Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ABV Aneгада, AVI Aneгада, AVI Aneгада Island, etc.

SJA 12 21:47:27.9, 1.4, 31:56S-67:44W, h16km, 6km, ML3.9, MW4.1

IDC 12 21:47:28.4, 1.0, 31:78S-67:19W, h30km, 6km, mb4.0/2, mb1.3/9.5, mb1mx3.6/31, mbtmp3.9/5, ML3.8/3, MS3.0/1, Ms1.3/0.1, ms1mx2.5/28.9, Error ellipse: s-maj=35.7km s-min=24.9km az=11.0

GUC 12 21:47:28.9, 0.6, 31:55S-67:37W, h153km, 17km, ML4.1
NEIC 12 21:47:30.5, 0.7, 31:58S-67:28W, h52km, 7km, mb4.1/2, MD4.1(SJA), ML4.1(SUC), Error ellipse: s-maj=9.1km s-min=8.7km az=93.0

ISC 12 21:47:25.8, 0.8, 31:56S-003:67.25W, 0.03, h11km, 5km, n60, e=170/87, 3C-12D, San Juan Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ACAN Cantantall, ACAN Cantantall, ACFAN Coronel Fontan, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CYA Choya, CYA Las Melosas, CYA LCO, etc.

SJA 12 21:52:05.7, 0.8, 28:35S-69:25W, h131km, 11km, ML3.5, MW4.0

ISC/JB 12 21:52:07.0, 0.6, 28:30S-0:04:69:17W, 0:08, h111km, mb3.2/1, Error ellipse: s-maj=10.0km s-min=5.7km az=6.1

IDC 12 21:52:09.2, 9.2, 28:32S-68:60W, h97km, 67km, mb3.2/1, mb1.3/2.2, mb1mx3.0/26, mbtmp3.9/2, ML3.4/1, Error ellipse: s-maj=99.2km s-min=64.2km az=68.0

ISC 12 21:52:08.1, 1.0, 28:32S-005:69.22W-0:07, h111km, n12, e=89/17, Chile-Argentina border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like AGUA GUANDACOL, LCO Las Campanas, LCO Cuesta del Vie, etc.

NNC 12 21:53:08.1, 2.1, 40:34N-77:08E, h0km, mb2.9, mpv2.5, Error ellipse: s-maj=18.4km s-min=8.0km az=138.0

KRNET 12 21:53:09.6, 0.1, 40:47N-77:12E, h16km, mb2.4
SOME 12 21:53:11.2, 40:35N-77:12E, h25km
ISC 12 21:53:08.3, 1.9, 40:42N-0:07:77:11E, 0:04, h5km, 13km, n31, e=121/51, 23C-12D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like NRN Naryn, TARG Taragay, TARG Taragay, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KBK Karagaybulak, SFK Sufi-Kurgan, SFK Sufi-Kurgan, etc.

ISC/JB 12 22:04:09.4, 0.5, 43:88N-0:04:105:30W, 0:05, h0km, mb3.8/1, Error ellipse: s-maj=6.1km s-min=5.0km az=155.9

NEIC 12 22:04:10.8, 0.4, 43:81N-105:22W, h0km, MN3.1, Error ellipse: s-maj=6.7km s-min=5.3km az=165.0, Suspected Mining explosion

NEIC 5h km [36 miles] SSE of Gillette, IDC 12 22:04:10.8, 1.5, 43:87N-105:52W, h0km, mb3.8/1, mb2.1/3.6, mb1mx3.4/39, mbtmp3.4/6, ML3.2/5, MS3.0/1, Ms1.3/0.1, ms1mx2.4/43, Error ellipse: s-maj=42.3km s-min=8.2km az=147.0

ISC 12 22:04:11.1, 1.0, 43:85N-0:04:105:34W, 0:03, h0km, n23, e=23/41, Wyoming

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like RSSD Black Hills, RAO LASA Array, RAO LASA Array, etc.





STKA	Stephens Creek	26.64 160 P	P	22 30 37.2 +0.1
STKA	comp=Z,26nm,0.7s,baz=336,slow=8.0,SNR=30	S	S	22 35 28.8 +2.1
STKA	comp=Z,50nm,0.8s,baz=293,slow=11,SNR=4.8	LR	LR	22 41 56.7
STKA	comp=Z,288nm,19.2s,baz=327,slow=38	LR	LR	
KASI	Kota Agung	26.79 271 P	P	22 30 38.8 +0.1
PMBI	Palemang	26.83 277 P	P	22 30 46.8 +7.8
MDSI	Maura Dua	27.20 274 P	P	22 30 44.9 +2.5
LWLI	Liwa	27.27 272 P	P	22 30 49.7 +6.6
HHTL	Hallett	27.33 166 P	P	22 30 43.5 +0.1
BLDU	Ballidu	27.36 208 P	P	22 30 44.3 +0.7
KLBR	Kellerberrin	27.71 206 P	P	22 30 47.4 +0.6
TPRI	Tanjung Pinang	27.92 285 P	P	22 30 51.5 +2.6
LHSI	Lahat	27.93 275 P	P	22 30 53.0 +4.1
CMSA	Cobar Meteorol	27.94 153 P	P	22 30 49.1 +0.3
JMBI	Jambi	28.17 279 P	P	22 30 55.0 +3.9
HNR	Honiara	28.36 97 eP	P	22 30 51.9 -0.8
HNR	Honiara	28.36 97 P	P	22 34 02.9 -1.5
HNR	comp=Z,52nm,0.3s,baz=211,slow=6.8,SNR=4.3	LR	LR	22 42 49.0
MUN	Mundaring	28.73 260 P	P	22 30 56.2 +0.4
MYKOM	Kota Tinggi	28.82 286 eP	P	22 30 55.8 -1.1
MYKOM	comp=Z,62nm,0.9s	eP	P	
MYKOM	Kota Tinggi	28.82 286 P	Pn	22 31 56.6 +6.1
NWAO	Narogin (SRO)	29.09 205 P	P	22 30 57.7 +0.9
NWAO	comp=Z,29,SNR=33	P	P	22 30 59.4 +0.4
NWAO	Narogin (SRO)	29.09 205 eP	P	22 30 59.0 0.0
NWAO	comp=Z,29,SNR=33	eP	P	22 33 59.9 -6.1
NWAO	Narogin (SRO)	29.09 205 P	P	22 30 59.4 +0.4
NWAO	comp=Z,41nm,0.7s,baz=265,slow=8.9,SNR=4.4	LR	LR	22 43 38.4
ARMA	Armidale	30.15 144 P	P	22 31 07.9 -0.7
ARMA	comp=Z,98nm,18.5s,baz=238,slow=38	P	P	
ARMA	Armidale	30.15 144 eP	P	22 31 06.9 -1.7
KRJI	Kerinci	30.23 278 P	P	22 31 11.1 +1.7
SDSI	Sungai Dareh	30.48 280 P	P	22 31 14.2 +2.7
RKGY	Rocky Gully	30.65 204 P	P	22 31 13.8 +1.0
BKNI	Bangkalang	31.14 282 eP	P	22 31 18.1 +0.8
BKNI	comp=Z,260nm,1.1s	eP	P	
BKNI	Bangkalang	31.14 282 P	P	22 31 19.2 +1.9
ARPS	Mount Arapiles	31.25 164 P	P	22 31 19.1 +1.1
PDSI	Padang	31.43 280 P	P	22 31 20.0 0.0
YNG	Young	31.48 152 P	P	22 31 21.2 +1.0
YULB	Yu-I	31.66 342 eP	P	22 31 20.4 -1.4
TPUB	Ta-pu	31.78 341 eP	P	22 31 21.1 -1.8
SSLB	Suangleung	32.13 342 eP	P	22 31 24.8 -1.2
NACB	Ninganchiao	32.30 343 eP	P	22 31 25.7 -1.7
IPM	Ipo	32.36 290 eP	P	22 31 26.2 -1.9
MNSI	Mandailing Nat	32.66 282 P	P	22 31 31.0 +0.2
SISI	Saibi	32.70 278 P	P	22 31 32.7 +1.7
CNB	Cabrera Magne	32.77 152 P	P	22 31 32.5 +1.0
YHNB	Yeheng	32.84 343 eP	P	22 31 31.2 -1.0
KULM	Kulim	32.99 291 eP	P	22 31 32.1 -1.5
TOO	Toolangi	33.14 159 P	P	22 31 36.5 +1.8
TOO	Toolangi	33.14 159 eP	P	22 31 34.9 +0.2
TOO	Toolangi	33.14 159 eP	P	22 31 34.9 +0.2
QIZ	Qiongzong	33.38 321 P	P	22 31 38.1 +1.2
QIZ	comp=Z,68nm,1.0s	S	S	22 36 58.3 +4.2
QIZ	comp=Z,290nm,2.5s	S	S	
QIZ	comp=Z,340nm,22.6s	LR	LR	
QIZ	comp=Z,270nm,16.2s	LR	LR	
QIZ	Qiongzong	33.38 321 eP	P	22 31 36.5 -0.4
JOW	Kunigami	33.64 355 eP	P	22 31 39.5 +0.5
JOW	comp=Z,81nm,1.0s	eP	P	
JOW	Kunigami	33.64 355 P	P	22 31 39.5 +0.5
PSI	Prapat	33.82 285 eP	P	22 31 38.6 -2.5
PSI	comp=Z,127nm,1.0s	eP	P	
PSI	Prapat	33.82 285 P	P	22 31 41.3 +0.3
QZH	Quanzhou	33.99 339 P	P	22 31 42.2 +0.1
GSI	Gunungsitoli	34.73 282 eP	P	22 31 46.2 -2.5
GSI	comp=Z,63nm,1.0s	eP	P	
GSI	Gunungsitoli	34.73 282 P	P	22 31 49.0 +0.2
TRTT	Trang	34.84 294 P	P	22 31 49.5 -0.2
KCSI	Kotaaceh Aceh	35.13 286 P	P	22 31 52.7 +0.5
JCJ	Chichijima	35.34 17 P	P	22 31 54.2 +0.5
CBLJ	Chichi jima	35.34 17 eP	P	22 31 54.2 +0.5
SKNT	Sakolnokorn	36.01 311 P	P	22 31 59.6 -0.1
PATY	Pattaya	36.16 303 P	P	22 32 01.0 0.0
LHMI	Lhok Sumawe	36.44 288 eP	P	22 32 02.1 -1.3
LHMI	comp=Z,319nm,1.2s	eP	P	
LHMI	Lhok Sumawe	36.44 288 P	P	22 32 06.2 +2.8
CHAI	Chaiyaphum	36.89 308 P	P	22 32 06.8 -0.4
DZM	Mont Dzumac	37.01 118 eP	P	22 32 13.0 +4.8
DZM	comp=Z,67nm,1.0s	eP	P	
DZM	comp=Z,915nm,33.5s	eLR	LR	22 42 10.6
DZM	Mont Dzumac	37.01 118 eP	P	22 32 07.1 -1.1
DZM	comp=Z,35nm,1.0s	eP	P	
DZM	Mont Dzumac	37.01 118 P	P	22 32 09.4 +1.2
PHET	Kaeng Krachan	37.19 302 P	P	22 32 09.5 -0.3
NONG	Nongkai	37.31 312 P	P	22 32 10.4 -0.3
PBKT	Sadao Pong	38.07 308 eP	P	22 32 16.9 -0.2
PBKT	comp=Z,41nm,0.6s	eP	P	
PBKT	Sadao Pong	38.07 308 P	P	22 32 17.7 +0.4
MOO	Moorlaban	38.08 161 P	P	22 32 18.6 +1.7
BSI	Banda Aceh	38.08 288 P	P	22 32 17.7 +0.4
SRDT	SRDT	38.35 303 P	P	22 32 20.0 +0.5
TAU	Tasmania Univ	38.54 161 eP	P	22 32 19.5 -1.3
TAU	comp=Z,166nm,2.0s	eP	P	
TAU	Tasmania Univ	38.54 161 eP	P	22 32 19.5 -1.3
UTHA	Uthaitani	38.72 305 P	P	22 32 22.5 -0.1
SSE	Sheshan	39.00 346 P	P	22 32 25.3 +0.6

SSE	Sheshan	39.00 346 eP	P	22 32 25.2 +0.6
UTTA	Utatarid	39.08 309 P	P	22 32 25.7 +0.2
UMPA	Umpang Tak	39.54 306 P	P	22 32 29.0 -0.5
JNU	Nakatsue	39.77 359 eP	P	22 32 31.9 +0.7
JNU	Nakatsue	39.77 359 P	P	22 32 32.0 +0.9
CMBY	CAMPBELL BAY	39.86 290 eP	P	22 32 32.0 -0.2
NJ2	Nanjing	40.51 343 P	P	22 32 38.5 +1.2
WHN	Wuhan	40.64 337 P	P	22 32 39.7 +1.4
WHN	comp=Z,110nm,1.0s	S	S	22 38 39.0 -5.2
WHN	comp=Z,770nm,23.0s	LR	LR	
CM01	Chiang Mai Arr	40.70 309 eP	P	22 32 38.7 -0.4
CM01	comp=Z,49nm,0.9s,baz=143,slow=2.3,SNR=9.3	eP	P	22 34 41.8 +1.9
CM31	Chiang Mai Arr	40.73 309 eP	P	22 32 39.9 +0.5
CM31	comp=Z,136nm,0.9s	eP	P	22 32 39.9 +0.5
CMAR	Chiang Mai Arr	40.73 309 eP	P	22 32 39.7 +0.4
CMAR	comp=Z,78nm,0.9s	eP	P	22 32 40.3 +1.0
CMAR	Chiang Mai Arr	40.73 309 P	P	22 34 42.3 +2.3
CMAR	comp=Z,75nm,0.9s,baz=158,slow=7.4,SNR=369	P	P	
CMAR	Chiang Mai Arr	40.73 309 eP	P	22 32 39.9 +0.5
CMAR	comp=Z,12nm,0.8s,baz=165,slow=2.8,SNR=6.4	S	S	22 38 25.6 +0.8
CMAR	comp=Z,5.7nm,1.0s,baz=161,slow=3.5,SNR=9.2	LR	LR	22 51 34.2
GYA	Guiyang	40.91 325 P	P	22 32 41.1 +0.3
GYA	comp=Z,126nm,21.6s,baz=126,slow=39	P	P	
GYA	Guiyang	40.91 325 P	P	22 32 41.1 +0.3
GYA	comp=Z,80nm,0.8s	LR	LR	22 32 55.0 +0.5
GYA	comp=Z,790nm,17.4s	LR	LR	22 32 59.4 +0.1
GYA	comp=Z,750nm,17.6s	LR	LR	22 34 25.8 +2.0
GYA	comp=Z,820nm,17.2s	LR	LR	22 34 41.4 +0.8
CMMT	Chiang Mai	40.94 309 eP	P	22 32 41.0 0.0
CMMT	comp=Z,2.7nm,1.0s,comp=Z,2.8nm	P	P	
CMHT	Chiang Mai	40.94 309 eP	P	22 32 41.4 +0.3
CMHT	comp=Z,170nm,0.9s	eP	P	
CMHT	Chiang Mai	40.94 309 eP	P	22 32 41.4 +0.3
CMHT	comp=Z,171nm,0.9s	eP	P	
CMHT	Chiang Mai	40.94 309 P	P	22 32 41.3 +0.3
CMHT	comp=Z,958nm,1.0s,comp=Z,2.8nm	P	P	
KMI	Kunming	42.31 320 P	P	22 32 53.3 +0.9
KMI	comp=Z,958nm,1.0s,comp=Z,2.8nm	P	P	22 33 03.4 -2.6
KMI	Kunming	42.31 320 P	P	22 33 07.8 -3.4
KMI	comp=Z,958nm,1.0s,comp=Z,2.8nm	P	P	22 34 32.2 +0.8
KMI	Kunming	42.31 320 P	P	22 39 12.8 +3.2
KMI	comp=Z,75nm,0.9s	S	S	22 39 31.0 -2.7
KMI	comp=Z,85nm,0.8s	LR	LR	
KMI	comp=Z,230nm,3.1s	LR	LR	
KMI	comp=Z,220nm,11.1s	LR	LR	
KMI	comp=Z,190nm,10.2s	LR	LR	
KMI	Kunming	42.31 320 eP	P	22 32 53.4 +1.0
KMI	comp=Z,75nm,0.9s	eP	P	22 32 53.4 +1.0
KMI	Kunming	42.31 320 eP	P	22 32 53.4 +1.0
KMI	comp=Z,75nm,0.9s	eP	P	22 32 53.8 +0.1
ENH	Enshi	42.50 331 eP	P	22 32 53.8 +0.1
PBA	Port Blair	42.64 295 eP	P	22 32 54.8 -0.2
TJN	Taejon	43.18 355 P	P	22 33 00.4 +1.4
MJAR	Matsushiro Arr	43.65 8 P	P	22 33 02.8 0.0
MAJO	Matsushiro	43.65 8 eP	P	22 33 02.7 0.0
MAJO	comp=Z,129nm,1.0s,baz=195,slow=11,SNR=49	P	P	
MAJO	Matsushiro	43.65 8 P	P	22 33 02.8 0.0
MAJO	comp=Z,129nm,1.0s,baz=195,slow=11,SNR=49	P	P	
MAJO	Matsushiro	43.65 8 P	P	22 33 02.9 +0.1
MAJO	comp=Z,129nm,1.0s,baz=195,slow=11,SNR=49	P	P	
MAJO	Matsushiro	43.65 8 P	P	22 39 25.0 -3.5
MAJO	comp=Z,129nm,1.0s,baz=195,slow=11,SNR=49	P	P	
MAJO	Matsushiro	43.65 8 eP	P	22 33 02.7 -0.1
MAJO	comp=Z,129nm,1.0s,baz=195,slow=11,SNR=49	P	P	
MAJO	Matsushiro	43.65 8 eP	P	22 33 07.8 +0.6
KS15	Wonju Array Si	44.20 356 eP	P	22 33 08.4 +1.2
KSAR	Wonju Array Be	44.20 356 P	P	22 34 52.4 +1.2
KSAR	Wonju Array Be	44.20 356 P	P	22 34 52.4 +1.2
KSAR	Wonju Array Be	44.20 356 P	P	22 34 52.4 +1.2
KSAR	Wonju Array Be	44.20 356 P	P	22 34 52.4 +1.2
KSRS	Korea Array	44.21 356 P	P	22 34 52.4 +1.2
KSRS	comp=Z,13nm,0.9s,baz=182,slow=9.6,SNR=26	P	P	
KSRS	Korea Array	44.21 356 P	P	22 34 52.4 +1.1
KS01	Wonju Array Si	44.23 356 eP	P	22 33 07.9 +0.4
KS01	comp=Z,3.4nm,0.8s,baz=170,slow=2.7,SNR=3.4	eP	P	
KS01	Wonju Array Si	44.23 356 eP	P	22 33 13.1 +0.3
TIA	Tai'an	44.90 344 P	P	22 33 17.0 +0.3
XAN	Xi'an	45.92 334 P	P	22 33 20.5 -0.5
XAN	comp=Z,22nm,1.0s	P	P	22 38 45.3 -6.4
XAN	Xi'an	45.92 334 P	P	22 39 55.4 -6.2
XAN	comp=Z,120nm,1.2s	P	P	
XAN	Xi'an	45.92 334 eP	P	22 33 20.9 -0.1
XAN	comp=Z,300nm,3.5s	eP	P	
XAN	Xi'an	45.92 334 eP	P	22 33 20.9 -0.1
XAN	comp=Z,90nm,0.8s	eP	P	
XAN	Xi'an	45.92 334 eP	P	22 33 20.9 -0.1
CD2	Chengdu	45.96 326 P	P	22 33 21.7 +0.4
CD2	comp=Z,180nm,0.5s	P	P	22 40 05.0 +2.8
CD2	Chengdu	45.96 326 P	P	
CD2	comp=Z,510nm,5.5s	P	P	
CD2	Chengdu	45.96 326 P	P	
CD2	comp=Z,750nm,11.8s	P	P	
CD2	Chengdu	45.96 326 P	P	
CD2	comp=Z,350nm,15.7s	P	P	
DL2	Dalian	46.44 349 P	P	22 33 25.6 +0.7
DL2	comp=Z,58nm,1.3s	P	P	22 40 09.0 +0.4
DL2	Dalian	46.44 349 P	P	
DL2	comp=Z,290nm,20.2s	LR	LR	
DL2	Dalian	46.44 349 P	P	
DL2	comp=Z,240nm,21.8s	LR	LR	
DL2	Dalian	46.44 349 P	P	
DL2	comp=Z,310nm,20.9s	LR	LR	
MSVF	Nonsavu	46.71 108 eP	P	22 33 28.9 +1.4
MSVF	comp=Z,32nm,0.9s	eP	P	
MSVF	Nonsavu	46.71 108 eP	P	22 33 28.9 +1.4
MSVF	comp=Z,31nm,0.9s	eP	P	
FUNA	Funafuti	47.36 95 eP	P	22 33 32.0 -0.5
FUNA	comp=Z,92nm,1.1s	eP	P	
TIV	Taiyuan	47.76 340 eP	P	22 33 35.8 +0.5
TIV	comp=Z,110nm,0.9s	eP	P	
OZU	Omahuta	47.88 132 eP	P	22 33 38.4 +2.1
OZU	comp=Z,56nm,1.4s	eP	P	
BJT	Baijiatuu	48.73 344 eP	P	22 33 42.8 +0.1
BJT	comp=Z,122nm,0.8s	eP	P	
BJT	Baijiatuu	48.73 344 eP	P	22 33 42.8 +0.1
BJT	comp=Z,122nm,0.8s	eP	P	
BJI	Beijing	48.75 344 P	P</	



12d 22h

Table with columns for station name, frequency, power, and other technical details. Includes stations like NGP Nagpur, DGAR Diego Garcia, SONA1 SONGINGO, etc.

2013 FEB

Table with columns for station name, frequency, power, and other technical details. Includes stations like KSH Makanchi Array, MKK31 Makanchi Array, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like BTK Batken, BTK Batken, BTLS Baital, etc.

GYA0B	ALIBECK ARRAY	81.20 310	eP	P	22 37 14.9	+1.1
NRIK	Nori'sk	81.78 346	P	P	22 37 17.1	+1.1
NRIK		82.26 22	eP	P	22 37 20.1	+1.5
GAMB	Gambell	83.11 180	eP	P	22 37 23.6	+0.3
QSPA	South Pole Qui	84.83 322	P	P	22 37 32.8	+0.6
AKTO	Aktuybinsk	85.06 23	eP	P	22 37 34.3	+1.4
ANM	Nome	85.06 23	eP	P	22 37 34.3	+1.4
ANM	Nome	85.06 23	eP	P	22 37 34.3	+1.4
SVE	Sverdlovsk	85.38 329	d/P	S	22 37 34.4	-0.3
SVE	Sverdlovsk	85.38 329	d/P	S	22 37 34.4	-0.3
ARU	Arti	86.34 328	eP	P	22 37 38.8	-0.7
ARU	Arti	86.34 328	eP	P	22 37 38.8	-0.7
DAMY	Dhamar	88.84 285	eP	P	22 37 53.1	+0.4
RAYN	Ar Rayn	88.98 294	eP	P	22 37 53.6	+0.6
RAYN	Ar Rayn	88.98 294	eP	P	22 37 53.6	+0.6
ATD	Arta Tunnel	89.96 282	P	P	22 37 59.0	+1.2
IML3	Indian Mountain	91.02 23	eP	P	22 37 59.6	+2.4
IRY	Manley	90.18 25	eP	P	22 38 02.4	+0.6
RND	Reindeer	91.51 26	eP	P	22 38 03.9	0.0
RND	Reindeer	91.51 26	eP	P	22 38 03.9	0.0
KIRV	Kirov	91.55 329	P	P	22 38 04.0	-0.5
COLD	Coldfoot	91.81 22	eP	P	22 38 05.7	+0.6
GNI	Garni	91.84 310	eP	P	22 38 06.4	+0.3
GNI	Garni	91.84 310	eP	P	22 38 06.7	+0.6
WRH	Wood River Hill	92.06 25	eP	P	22 38 06.1	-0.2
CCB	Clear Creek Bu	92.22 25	eP	P	22 38 06.5	-0.5
COLA	College	92.24 25	eP	P	22 38 07.5	+0.4
TOLK	Toolik Lake Re	92.36 21	eP	P	22 38 07.8	+0.2
TOLK	Toolik Lake Re	92.36 21	eP	P	22 38 08.3	+0.6
HDA	Harding Lake	92.54 25	eP	P	22 38 09.0	+0.4
ILAR	Eielsen Array	92.63 25	eP	P	22 38 08.2	-0.8
ILAR	Eielsen Array	92.63 25	eP	P	22 38 08.2	-0.8
ILAR	Eielsen Array	92.63 25	eP	P	22 38 08.2	-0.8
ILB	Eielsen Array	92.63 25	eP	P	22 38 08.2	-0.8
ILZ	Eielsen Array	92.63 25	eP	P	22 38 07.6	-1.3
ILZ	Eielsen Array	92.63 25	eP	P	22 38 07.6	-1.3
NVL	N'azarevskaya	92.89 197	eP	P	22 38 05.0	-5.1
NCK	Nalchik	93.09 313	eP	P	22 38 12.0	+0.4
SIRT	Sirmak	93.32 307	eP	P	22 38 12.8	-0.1
KBZ	Khabaz	93.62 313	eP	P	22 38 13.8	-0.1
GOF	Gofitskoye	93.76 315	eP	P	22 38 13.9	-0.2
NEY	Neftino	93.80 314	eP	P	22 38 14.9	0.0
KIV	Kislovodsk	93.80 314	eP	P	22 38 14.9	0.0
KIV	Kislovodsk	93.80 314	eP	P	22 38 14.9	0.0
PRGR	Permogore	93.99 331	eP	P	22 38 11.8	-3.4
KMBO	Kilima Mbogo	94.00 268	P	P	22 38 17.8	+1.1
KMBO	Kilima Mbogo	94.00 268	P	P	22 38 17.8	+1.1
VRH	Novokhoporsky	95.11 321	eP	P	22 38 19.1	-1.5
DAWY	Dawson	95.77 26	eP	P	22 38 21.5	-2.0
SNAAS	Sanae	96.12 193	P	P	22 38 26.2	+1.2
SNAAS	Sanae	96.12 193	P	P	22 38 24.2	-0.6
SNAAS	Sanae	96.12 193	P	P	22 38 26.9	+1.9
VSR	Storozhevoye	96.71 321	eP	P	22 38 25.7	-2.2
KLMR	Klimovskoe	96.87 30	eP	P	22 38 25.5	-2.9
KLMR	Klimovskoe	96.87 30	eP	P	22 38 25.5	-2.9
KLMR	Klimovskoe	96.87 30	eP	P	22 38 25.5	-2.9
LPSR	Galich'ya Gora	96.92 322	eP	P	22 38 27.6	-1.2
ASF	Jabal al Asfar	97.43 302	P	P	22 38 32.8	+1.0
TMCR	Tamitsa	97.61 334	eP	P	22 38 30.2	-1.4
VNOA2	Neumayer-Watz	97.67 193	P	P	22 38 38.1	+6.2
MOS	Moscow	97.76 325	eP	P	22 38 30.1	-2.4
INK	Inuvik	98.21 22	eP	P	22 38 34.2	0.0
INK	Inuvik	98.21 22	eP	P	22 38 34.3	0.0
INK	Inuvik	98.21 22	eP	P	22 38 34.3	0.0
INK	Inuvik	98.21 22	eP	P	22 38 34.3	0.0
OBN	Obninsk	98.36 325	eP	P	22 38 33.9	-1.3
OBN	Obninsk	98.36 325	eP	P	22 38 34.1	-1.1
OBN	Obninsk	98.36 325	eP	P	22 38 46.0	-4.5
OBN	Obninsk	98.36 325	eP	P	22 49 10.8	+2.7
OBN	Obninsk	98.36 325	eP	P	22 56 50.8	+7.2
OBN	Obninsk	98.36 325	eP	P	22 38 34.2	-1.1
MMAI	Mount Meron Ar	98.73 302	P	P	22 38 37.4	-0.1
LZV	Lovozero	98.87 338	eP	P	22 38 37.3	0.0
EIL	Eilat	98.96 299	P	P	22 38 37.7	-0.9
APA	Apaitiy	99.37 337	l/P	P	22 38 36.4	-3.1

APA	Apaitiy	99.37 337	l/P	P	22 38 36.4	-3.1
APA	Apaitiy	99.37 337	l/P	P	22 38 36.4	-3.1
APA	Apaitiy	99.37 337	l/P	P	22 38 36.4	-3.1
BR131	Keskin Array S	100.32 309	eP	P	22 38 43.7	-0.9
BR131	Keskin Array S	100.32 309	eP	P	22 38 44.7	-1.7
BR131	Keskin Array S	100.32 309	eP	P	22 38 44.1	-0.5
BRTR	Keskin Array B	100.32 309	P	P	22 42 46.6	-4.9
MBAR	Mbarara	100.53 268	l/P	P	22 38 46.8	+0.7
BOSA	Boshof	100.74 239	P	P	22 38 47.0	+0.3
LBTB	Lobate	101.28 243	eP	P	22 38 48.7	-0.4
LBTB	Lobate	101.28 243	eP	P	22 38 48.7	-0.4
ARCES	ARCCESS Array B	101.94 340	eP	P	22 38 50.8	-0.2
ARCES	ARCCESS Array B	101.94 340	eP	P	22 38 50.8	-0.2
ARCES	ARCCESS Array B	101.94 340	eP	P	22 43 14.3	+0.9
AKASG	Malin Array Be	103.00 320	P	P	22 38 53.4	-2.6
FINES	FINESSE Array B	103.32 332	P	P	22 38 56.6	-0.8
FINES	FINESSE Array B	103.32 332	P	P	22 43 12.8	-0.2
MLR	Muntele Rose	105.71 315	P	P	22 39 07.9	-0.5
BUR04	Bucovina Ar. S	105.96 317	eP	P	22 39 09.7	+0.3
BUR08	Bucovina Ar. S	105.96 317	eP	P	22 39 09.7	+0.3
SUW	Suwali	106.22 324	eP	P	22 39 09.6	-0.6
SUW	Suwali	106.22 324	eP	P	22 39 09.6	-0.6
YKA	Yellowknife Ar	106.22 324	eP	P	22 39 24.7	+1.1
YKA	Yellowknife Ar	106.22 324	eP	P	22 39 24.7	+1.1
YKA	Yellowknife Ar	106.22 324	eP	P	22 43 23.5	+0.6
YKA	Yellowknife Ar	106.22 324	eP	P	22 43 23.5	+0.6
UZH	Uzhgorod	107.74 319	eP	P	22 39 17.4	+0.3
NIE	Niedzica	108.88 320	eP	P	22 39 22.7	+0.5
NIE	Niedzica	108.88 320	eP	P	22 39 22.7	+0.5
OJC	Ojcow	109.03 321	eP	P	22 39 23.0	+0.1
HFS	Hagfors	109.51 322	P	P	22 39 24.3	-0.5
HFS	Hagfors	109.51 322	P	P	22 39 24.3	-0.5
HFS	Hagfors	109.51 322	P	P	22 43 27.7	+0.1
NB2	NORSAR Subarray 11	110.29 333	P	P	22 39 27.5	-0.9
NB2	NORSAR Subarray 11	110.29 333	P	P	22 39 27.5	-0.9
NB2	NORSAR Subarray 11	110.29 333	P	P	22 39 27.5	-0.9
NB2	NORSAR Subarray 11	110.29 333	P	P	22 39 27.5	-0.9
NOA	NORSAR Array B	110.29 333	P	P	22 43 30.0	+0.8
DPC	Dobruska-Polom	111.16 322	eP	P	22 43 32.2	+1.1
DPC	Dobruska-Polom	111.16 322	eP	P	22 43 32.2	+1.1
UPC	Upice	111.31 322	eP	P	22 43 32.4	+1.1
UPC	Upice	111.31 322	eP	P	22 43 32.4	+1.1
GOPC	GO Pecny, Ondr	112.23 321	eP	P	22 43 34.4	+1.3
GOPC	GO Pecny, Ondr	112.23 321	eP	P	22 43 34.4	+1.3
PRU	Pruhonice	112.36 321	eP	P	22 43 34.4	+1.1
PRU	Pruhonice	112.36 321	eP	P	22 43 34.4	+1.1
BRG	Bergsjuehnel	112.46 323	eP	P	22 43 34.1	+0.6
BRG	Bergsjuehnel	112.46 323	eP	P	22 43 34.1	+0.6
BRG	Bergsjuehnel	112.46 323	eP	P	22 43 34.1	+0.6
BRG	Bergsjuehnel	112.46 323	eP	P	22 43 34.1	+0.6
ARSA	Arzberg	112.48 318	eP	P	22 43 33.8	+0.2
ARSA	Arzberg	112.48 318	eP	P	22 43 33.8	+0.2
GMRC	Granit Mounta	112.69 55	P	P	22 43 36.7	+2.1
GMRC	Granit Mounta	112.69 55	P	P	22 43 36.7	+2.1
CLL	Collim	112.89 323	eP	P	22 43 34.8	+0.5
CLL	Collim	112.89 323	eP	P	22 43 34.8	+0.5
CLL	Collim	112.89 323	eP	P	22 43 59.0	+1.9
CLL	Collim	112.89 323	eP	P	22 43 59.0	+1.9
CLL	Collim	112.89 323	eP	P	22 43 59.0	+1.9
CLL	Collim	112.89 323	eP	P	22 43 59.0	+1.9
KHC	Kasperske Hory	113.21 321	eP	P	22 43 35.7	+0.7
KHC	Kasperske Hory	113.21 321	eP	P	22 43 35.7	+0.7
GERES	GERESS Array B	113.22 320	eP	P	22 43 35.8	+0.7
GERES	GERESS Array B	113.22 320	eP	P	22 43 35.8	+0.7
KBA	Koelnbreinsper	113.95 319	eP	P	22 43 36.3	-0.4
EGMT	Eagleton	114.17 40	P	P	22 43 38.3	+1.4
EGMT	Eagleton	114.17 40	P	P	22 43 38.3	+1.4
ABTA	Abfaltersbach	114.60 319	eP	P	22 43 37.6	-0.2
ABTA	Abfaltersbach	114.60 319	eP	P	22 43 37.6	-0.2
WTTA	Wattenberg	115.01 319	eP	P	22 43 39.4	+0.7
WTTA	Wattenberg	115.01 319	eP	P	22 43 39.4	+0.7
WATA	Waldarim	115.03 319	eP	P	22 43 39.7	+0.5
WATA	Waldarim	115.03 319	eP	P	22 43 39.7	+0.5
SQTA	Sankt Quirin	115.30 319	eP	P	22 43 39.7	+0.5
SQTA	Sankt Quirin	115.30 319	eP	P	22 43 39.7	+0.5
MOTA	Moosalm	115.33 319	eP	P	22 43 39.5	+0.2
MOTA	Moosalm	115.33 319	eP	P	22 43 39.5	+0.2
RETA	Reutte	115.51 320	eP	P	22 43 40.0	+0.5
RETA	Reutte	115.51 320	eP	P	22 43 40.0	+0.5
FETA	Feichten	115.68 319	eP	P	22 43 40.5	+0.5
FETA	Feichten	115.68 319	eP	P	22 43 40.5	+0.5
PD31	Pinedale Array	115.80 46	eP	P	22 43 39.9	-0.6
PDAR	Pinedale Array	115.80 46	eP	P	22 43 41.9	+1.5
PDAR	Pinedale Array	115.80 46	eP	P	22 43 41.9	+1.5
PDAR	Pinedale Array	115.80 46	eP	P	22 43 41.9	+1.5
FUORN	Ofenpass-Fuorn	116.11 319	eP	P	22 43 39.7	-1.2
FUORN	Ofenpass-Fuorn	116.11 319	eP	P	22 43 39.7	-1.2
DAVA	Damuels	116.14 320	eP	P	22 43 41.3	+0.5
DAVA	Damuels	116.14 320	eP	P	22 43 41.3	+0.5
DAVOX	Davos/Dischmat	116.31 319	eP	P	22 43 42.0	+0.7
DAVOX	Davos/Dischmat	116.31 319	eP	P	22 43 42.0	+0.7
DAVOX	Davos/Dischmat	116.31 319	eP	P	22 43 42.0	+0.7
DAVOX	Davos/Dischmat	116.31 319	eP	P	22 43 42.0	+0.7
MVCO	Mies-Verde	117.96 51	P	P	22 43 45.7	+0.9
MVCO	Mies-Verde	117.96 51	P	P	22 43 45.7	+0.9
S22A	4UR Ranch, Cre	119.12 50	P	P	22 43 49.0	+1.8
S22A	4UR Ranch, Cre	119.12 50	P	P	22 43 49.0	+1.8
RSSD	Black Hills	119.21 43	eP	P	22 43 46.2	-0.7
RSSD	Black Hills	119.21 43	eP	P	22 43 46.2	-0.7
RSSD	Black Hills	119.21 43	eP	P	22 43 46.2	-0.7
RSSD	Black Hills	119.21 43	eP	P	22 43 46.2	-0.7
KEST	Kesra	119.87 307	eP	P	22 43 48.4	0.0
KEST	Kesra	119.87 307	eP	P	22 43 48.4	0.0
KEST	Kesra	119.87 307	eP			

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like HYR Heyderabad, ZRD Zardab, GANJ Ganja, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like DCZ Deep Cove, PUY Puysegur Point, WTH Wether Hill Ro, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like FUNA Funafuti, CTA Charters Tower, RAO Raoul Island, etc.

WEL 1222:39:33.6, 45°S, 3°16'E, h22km, 3km, ML3.7/4, Off west coast of Soa Island

NEIC 1223:09:57.4, 0.0, 17.18N:93.78W, h153km, MD4.0(MEX), After MEX.

KRNET 1223:18:58.9, 0.1, 42.49N:78.63E, h19km, mb2.0



12d 23h

Table with columns: EIDS, Eidsvold, 19.05 219, P, Pn, 23 37 00.6 +1.7, etc. Lists various stations and their frequencies.

2013 FEB

Table with columns: PPT2, PCI, MPST, TBI, etc. Lists various stations and their frequencies.

1030

Table with columns: DL2, DL2, MDJ, MDJ, etc. Lists various stations and their frequencies.





Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like NAXT, MIAR, SCIA, EYMN, ARU, JFWS, COWI, HDIL, KBS, ABPO, BRAL, JTS, GLMI, AAM, LCO, ACSO, LVZ, GOGA, NNA, KEV, ARCES, BLA, OTAV, BCIP, MAK, LVC, CBN, CNNC, BINY, SFJD, GNI, LONY, MTDJ, OBN, KIV, RAYN, PKME, SUR, SDDR, SDV, GRTK, KMBO, KIEV, NB2, NOA, BRTR, KIS, ANTO, LSZ, SJG, UZH, OKC.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like MBAR, DPC, UPCC, CLL, TREC, NKC, ESK, KHC, ANWB, GERES, GRGR, TSUM, BBGH, KEST, POLO, PVRL, ES19, ESDC, PAB, PMRV, MESJ, TOAD, TORD, SACS, MEX, MEIG, PLIG, ARIG, YAIG, CAIG, IDC, HNR, DZM, CTA, H1S2, H1S3, H1S1, H1N1, H1N2, ASAR, SONM, ILAR, MKAR, ZALV, DJA, EDI, BASI, MMRI, PLAI, BATI, BATI, BATI, SOE, SRBI, WRA, WRA, ASAR.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like ASAR, STKA, MKAR, IDC, HNR, DZM, CTA, WRA, ASAR, CMAR, SONM, ILAR, MKAR, IDC, DZM, WRA, ASAR, MKAR, SOMI, KRNET, NNC, UZB, UZB, UZB, PDGK, PDGK, PRZ, PRZ, KTMS, KTMS, KTMS, SATY, SATY, SATY, KURS, KURS, KURS, MNBS, MNBS, MNBS, DJR, DJR, DJR, KDJ, KDJ, KOTS, KOTS, KOTS, KOTS, MDOK, MDOK, MDOK, MDOK, MDOK.

Table with columns: MDOK, Medeo, 1.99 288 eP, Pn, 00 04 58.4 +0.5, etc. Lists various astronomical objects and their properties.

Table with columns: RPZ, Rata Peaks, 32.72 173 P, P, 00 11 28.9 +1.0, etc. Lists astronomical objects with detailed parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Lists station data and observation times.

ISCJB 13 00:04:53.0±0.1, 11.24S±0.05, 165.92E±0.06, h10km, mb4.5/25, MS4.2/2, Error ellipse: s-maj=9.1km

ISCJB 13 00:10:08.2±0.5, 01.85S±0.06, 166.12E±0.06, h10km, mb4.6/17, MS4.3/1, Error ellipse: s-maj=9.4km

Code Station Name Az Az' Phase ID Time Res ISC h m s ISC

IDC 13 00:04:53.6±0.9, 11.14S±165.91E, h0km, mb4.5/13, mb1.4, 6/15, mb1mx4.3/49, mbtmp4.5/15, ML4.8/2, MS4.2/2, Ms1.4, 2/2, ms1mx3.4/31, Error ellipse: s-maj=22.9km

IDC 13 00:10:08.7±1.0, 01.80S±166.10E, h0km, mb4.5/12, mb1.4, 6/13, mb1mx4.3/44, mbtmp4.5/13, ML4.5/1, MS4.4/1, Ms1.4, 4/1, ms1mx3.3/27, Error ellipse: s-maj=27.7km

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

NEIC 13 00:10:09.4±2.6, 10.18S±166.12E, h7km, 16km, mb5.0/6, Error ellipse: s-maj=8.2km s-min=5.7km az=124.0

ISC 13 00:10:09.8±0.6, 01.86S±166.17E±0.08, h10km, n48, c079/43, mb4.9/17, Santa Cruz Islands

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

Code Station Name Az Az' Phase ID Time Res ISC h m s ISC

HNR Honiara 6.29 282 Op ISC 00 11 41.5 -1.2

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

HNR Honiara 6.14 286 eSn Sn 00 07 38.2 +2.0

HNR Honiara 6.29 282 eSn Sn 00 12 54.1 -0.5

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

HNR Honiara 6.14 286 Pn Sn 00 06 26.6 +0.7

HNR Honiara 6.29 282 Pn Sn 00 11 44.5 +1.9

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

HNR Honiara 6.14 286 Sn Sn 00 07 38.2 +2.0

HNR Honiara 6.29 282 Sn Sn 00 12 54.1 -0.5

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 ePn Pn 00 07 31.4 +0.9

DZM Mont Dzumac 11.15 179 ePn Pn 00 12 50.8 +1.2

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Pn Sn 00 07 32.4 +1.9

DZM Mont Dzumac 11.15 179 Pn Sn 00 14 52.2 -2.3

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

TARA Tarawa 13.87 29 ePn Pn 00 13 26.1 -0.5

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

EIDS Eidsvold 20.32 223 ePn Pn 00 14 47.1 -1.1

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

CTA Charters Tower 21.25 242 P P 00 14 57.4 +0.9

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

CTAO Raoul Island 23.58 143 LR LR 00 22 05.8

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

ARMA Armadale 23.70 213 P P 00 15 22.3 +0.2

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

H11S2 WAKE ISLAND Hy 29.16 1 T T 00 04 26.0

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

H11S3 WAKE ISLAND Hy 29.17 1 T T 00 04 58.7

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

H11S1 WAKE ISLAND Hy 29.18 1 T T 00 04 16.8

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

H11N1 WAKE ISLAND Hy 30.39 1 T T 00 07 43.5

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

H11N3 WAKE ISLAND Hy 30.39 1 T T 00 04 80.9

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

H11N2 WAKE ISLAND Hy 30.40 1 T T 00 04 10.9

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

STKA Stephens Creek 30.86 224 eP P 00 16 26.1 -0.4

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

WRAB Warramunga Arr 31.94 250 eP P 00 16 35.6 -0.5

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

RPZ Rata Peaks 33.01 173 P P 00 16 46.1 +0.9

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

ASO1 Alice Springs 33.21 243 eP P 00 16 46.5 -0.7

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

ASAR Alice Springs 33.25 244 eP P 00 16 46.5 -1.1

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

FITZ Fitzroy Crossi 39.83 255 eP P 00 17 43.7 0.0

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

BATI Baumata 41.77 267 P P 00 17 58.5 -1.4

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

MBWA Marble Bar 45.65 251 eP P 00 18 31.4 +0.4

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

POHA Pohakuloa 48.45 51 eP P 00 18 53.5 +0.4

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

LEM Lembang 57.93 269 eP P 00 20 04.1 +1.1

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

BAT Baijattuau 68.59 312 eP P 00 21 12.4 -0.6

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

XAN Xi'an 70.30 321 eP P 00 21 23.6 -0.2

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

CMAR Chiang Mai Arr 72.42 293 P P 00 21 37.3 +0.3

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

SONAO Songino Array 78.76 324 eP P 00 22 13.3 +0.4

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

SONAO Songino Array 78.76 324 eP P 00 22 13.3 +0.4

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

OSPA South Sea Qui 79.18 300 eP P 00 22 13.8 -0.9

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

ILAR Eilean Array 83.20 18 P P 00 22 35.4 -0.6

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

ZALV Zalesovo Beam 93.65 324 P P 00 23 26.6 +0.2

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

ZAA1 Zalesovo Array 93.65 324 eP P 00 23 26.6 +0.2

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

MK01 Makanchi Array 93.67 317 eP P 00 23 26.1 -0.6

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

MK31 Makanchi Array 93.67 317 eP P 00 23 26.9 +0.2

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

MK31 Makanchi Array 93.67 317 eP P 00 23 26.9 +0.2

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

MK31 Makanchi Array 93.67 317 eP P 00 23 26.6 -0.2

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

MK31 Makanchi Array 93.67 317 eP P 00 23 26.6 -0.1

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

MKAR Makanchi Array 93.67 317 eP P 00 23 26.6 -0.2

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

ARAO Arches Array S 116.26 346 ePKPdf PKPdf 00 28 52.8 -0.2

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

ARCES Arches Array B 116.26 346 PKP PKP 00 28 52.8 -0.2

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

ESDC Sonseca Array 149.99 345 PKPbc PKIKP 00 30 02.4 +0.4

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8

DZM Mont Dzumac 10.85 177 Sn Sn 00 09 31.1 -1.0

NV11 Mina Array Sit 0.43 342 eP Pg 00 10 22.4 -1.8



H38A	Maiden Rock	20.36	63	P	P	00 14 52.8 +0.6
K39A	Oelwein	20.40	69	P	P	00 14 52.9 +0.3
LNIG	Linaires	20.46	124	eP	P	00 14 52.3 -1.2
N40A	Mertquake, Sal	20.56	74	P	P	00 14 54.2 -0.2
X40A	Basin Creek Fa	20.57	92	eP	P	00 14 54.1 -0.4
X40A	Basin Creek Fa	20.57	92	P	P	00 14 55.2 +0.6
J39A	Decorah	20.59	67	P	P	00 14 55.0 +0.4
M40A	Post Highland	20.62	72	P	Pn	00 14 55.8 -1.4
S41A	Jilico Farms,	20.72	83	P	P	00 14 56.5 +0.3
G38A	Ridgeland	20.75	62	P	P	00 14 56.6 +0.1
V41A	Mountainview	20.76	88	P	Pn	00 14 58.3 -0.7
WHAR	Woolly Hollow	20.78	90	eP	P	00 14 55.4 -1.4
I39A	Houston	20.78	65	eP	P	00 14 55.5 -1.3
I39A	Houston	20.78	65	P	P	00 14 57.6 +0.9
T41A	Mountain View	20.80	85	P	Pn	00 14 59.5 +0.1
U41A	Viola	20.82	87	P	Pn	00 14 58.2 -1.4
W41B	Gary Mavity, V	20.84	90	eP	P	00 14 56.7 -0.7
W41B	Gary Mavity, V	20.84	90	P	P	00 14 58.0 +0.5
L40A	Anamosa	20.85	70	eP	P	00 14 56.8 -0.7
L40A	Anamosa	20.85	70	P	Pn	00 14 58.5 -1.5
F38A	Pierce - Schro	20.90	59	P	P	00 14 58.9 +0.8
R41A	Rosebud	20.91	81	P	P	00 14 59.0 +0.9
Y41A	Eaglette Beard	20.93	94	P	Pn	00 14 60.0 -1.0
Q41A	Truxton	20.94	79	P	Pn	00 14 59.5 -1.6
K40A	Colesburg	20.95	69	P	P	00 14 59.5 +0.9
P41A	Barry, Barry	21.01	77	P	P	00 15 00.5 +1.2
CCM	Cathedral Cave	21.04	82	eP	P	00 14 58.7 -0.9
CCM	Cathedral Cave	21.04	82	eP	Pmax	00 14 58.7 -0.9
CCM	Cathedral Cave	21.04	82	P	Pmax	00 15 01.4 +1.7
H39A	Augusta	21.07	63	P	P	00 14 59.6 -0.3
N41A	Harden Midland	21.12	74	eP	P	00 14 59.4 -1.1
N41A	Harden Midland	21.12	74	P	P	00 15 00.7 +0.2
O41A	Passleys Farm,	21.12	76	P	P	00 15 00.7 +0.2
G39A	Holcombe	21.25	61	P	P	00 15 02.1 +0.3
E38A	The Farm, Brul	21.27	58	eP	P	00 15 01.1 -0.9
E38A	The Farm, Brul	21.27	58	P	P	00 15 03.2 +1.2
J40A	Soldiers Grove	21.29	67	P	P	00 15 03.4 +1.1
T42A	Van Buren	21.33	84	eP	P	00 15 01.9 -0.9
T42A	Van Buren	21.33	84	P	P	00 15 04.2 +1.5
M41A	Milan	21.35	72	P	P	00 15 04.5 +1.7
U42A	Reverden	21.36	86	P	P	00 15 05.1 +2.1
V42A	Cord	21.36	88	P	P	00 15 05.4 +2.3
R42A	Luebbering	21.36	81	P	P	00 15 05.0 +1.9
W42A	Bald Knob	21.39	89	P	P	00 15 06.2 +2.9
L41A	Preston	21.39	70	P	P	00 15 06.0 +2.7
I40A	Norwalk	21.43	65	P	P	00 15 05.9 +2.1
S42A	Caledonia	21.44	82	P	P	00 15 05.5 +1.6
Q42A	Golden Eagle	21.49	79	P	P	00 15 06.7 +2.2
X42A	Stuttgart	21.50	91	P	P	00 15 06.7 +2.1
F39A	Loretta	21.54	60	P	P	00 15 05.2 +0.2
K41A	Shullsburg	21.56	69	P	P	00 15 04.8 -0.3
P42A	Winchester	21.57	77	eP	P	00 15 04.1 -1.2
P42A	Winchester	21.57	77	P	P	00 15 05.6 +0.3
Y42A	Garnett, Star	21.60	93	P	P	00 15 07.6 +2.0
JFWS	Jewell Farm	21.61	68	eP	P	00 15 04.7 -1.1
JFWS	Jewell Farm	21.61	68	eP	Pmax	00 15 04.7 -1.1
JFWS	Jewell Farm	21.61	68	P	Pmax	00 15 07.0 +1.2
EYMN	Ely	21.68	54	eP	P	00 15 05.4 -1.0
EYMN	Ely	21.68	54	P	P	00 15 08.5 +2.1
H40A	Chil	21.69	64	P	P	00 15 08.2 +1.7
FVM	French Village	21.69	82	eP	P	00 15 05.7 -0.9
FVM	French Village	21.69	82	eP	Pmax	00 15 05.7 -0.9
N42A	Yates City	21.74	74	P	P	00 15 09.5 +2.4
DLBC	Dease Lake	21.88	343	eP	P	00 15 06.7 -1.9
DLBC	Dease Lake	21.88	343	P	P	00 15 10.8 +2.2
E39A	Mellen	21.89	59	P	P	00 15 10.0 +1.4
PBMO	Popla Bluff	21.90	85	eP	P	00 15 07.6 -1.2
G40A	Rib Lake	21.92	62	eP	P	00 15 07.6 -1.4
G40A	Rib Lake	21.92	62	P	P	00 15 10.4 +1.4
M42A	Sheffield	21.94	72	P	P	00 15 12.4 +3.2
T43A	Greenville	21.95	84	P	P	00 15 11.6 +2.2
I41A	Arkdale	21.99	65	eP	P	00 15 08.7 -1.1
I41A	Arkdale	21.99	65	P	P	00 15 10.2 +0.4
U43A	Recltor	22.01	86	P	P	00 15 10.7 +0.7
L42A	Oliver, Polo	22.01	71	eP	P	00 15 08.6 -1.4
L42A	Oliver, Polo	22.01	71	P	P	00 15 10.2 +0.3
R43A	Red Bud	22.04	81	P	P	00 15 11.5 +1.2
F40A	Park Falls	22.09	60	P	P	00 15 11.7 +0.8
Q43A	New Douglas	22.13	79	P	P	00 15 11.8 +0.4
P43A	Skaggs, Pawnee	22.20	77	P	P	00 15 13.1 +1.0
H41A	Junction City	22.21	64	eP	P	00 15 11.2 -1.0
H41A	Junction City	22.21	64	P	P	00 15 12.9 +0.8
K42A	Prairie Point,	22.27	69	P	P	00 15 13.9 +1.2

baz=267	HDIL	Hopedale	22.31	74	eP	P	00 15 11.8 -1.4
comp=Z,137nm,1.5s	HDIL	Hopedale	22.31	74	P	P	00 15 12.4 -0.8
baz=273	O43A	Sugar Creek Fa	22.31	75	P	P	00 15 11.9 -1.4
baz=274	E40A	Wakefield	22.35	59	P	P	00 15 12.9 -0.7
baz=272	N43A	Stutzman Famil	22.39	73	P	P	00 15 13.1 -0.9
baz=266	J42A	Columbus	22.46	67	P	P	00 15 13.9 -1.0
baz=258	M43A	Waltham Townsh	22.54	72	P	P	00 15 17.3 +1.6
baz=271	G41A	Antigo	22.62	62	P	P	00 15 14.7 -1.8
baz=262	S44A	Carbondale	22.66	82	P	P	00 15 15.2 -1.8
comp=Z,27nm,0.9s	I42A	Draeger Farm,	22.66	66	eP	P	00 15 15.8 -1.1
baz=290	I42A	Draeger Farm,	22.66	66	P	P	00 15 15.2 -1.7
baz=255	Q44A	Meyer Farm, Va	22.67	79	eP	P	00 15 15.4 -1.6
comp=Z,42nm,0.9s	Q44A	Meyer Farm, Va	22.67	79	P	P	00 15 15.0 -2.0
baz=290	SIUC	Southern Illin	22.68	82	eP	P	00 15 15.8 -1.4
comp=Z,31nm,1.0s	L43A	Garden Prairie	22.70	70	P	P	00 15 17.3 -0.1
baz=269	R44A	Watonville	22.70	80	P	P	00 15 16.9 -0.5
baz=278	F41A	Three Lakes	22.76	61	eP	P	00 15 16.6 -1.3
comp=Z,40nm,0.9s	F41A	Three Lakes	22.76	61	P	P	00 15 15.9 -2.1
baz=260	COWI	Conover	22.80	60	eP	P	00 15 16.9 -1.5
comp=Z,31nm,0.8s	P44A	Sand Creek, Wi	22.91	77	P	P	00 15 20.4 +0.8
baz=275	O44A	Mansfield	22.97	75	P	P	00 15 19.9 -0.2
baz=274	J43A	Natural Harves	22.98	67	P	P	00 15 21.5 +1.2
baz=267	E41A	Kenton	22.98	59	P	P	00 15 20.8 +0.5
baz=259	H42A	Shiocton	22.99	64	P	P	00 15 21.4 +1.0
baz=264	K43A	Burlington	23.01	69	P	P	00 15 21.4 +0.8
baz=268	G42A	Mountain	23.15	62	eP	P	00 15 21.3 -0.7
comp=Z,29nm,0.9s	G42A	Mountain	23.15	62	P	P	00 15 23.1 +1.0
baz=262	N44A	Piper City	23.18	74	P	P	00 15 22.6 +0.2
baz=273	S45A	Carrier Mills	23.18	82	P	P	00 15 23.6 +1.2
baz=266	I43A	Langenfeld Bro	23.21	66	P	P	00 15 24.6 +1.9
baz=272	M44A	Midewin, Midew	23.23	72	P	P	00 15 24.6 +1.7
baz=286	W45A	Hickory Valley	23.26	88	P	P	00 15 23.9 +0.6
baz=262	OXF	Oxford	23.27	90	eP	P	00 15 22.3 -1.0
comp=Z,107nm,1.1s	OXF	Oxford	23.27	90	eP	Pmax	00 15 22.3 -1.0
comp=Z,107nm,1.1s	OXF	Oxford	23.27	90	Pmax	Pmax	00 15 25.0 +1.7
baz=267	BESE	Bessie Mountai	23.30	337	eP	P	00 15 22.0 -1.5
comp=Z,44nm,1.2s	R45A	Skylar, Fairir	23.32	80	P	P	00 15 24.1 +0.3
baz=279	D41A	Chassel	23.37	58	eP	P	00 15 23.1 -1.1
comp=Z,66nm,1.1s	OLIL	Olney	23.40	79	eP	P	00 15 23.6 -0.9
comp=Z,33nm,1.1s	F42A	Maple Grove Fa	23.43	61	P	P	00 15 26.2 +1.3
baz=261	O45A	Potomac	23.53	75	P	P	00 15 27.3 +1.5
baz=274	H43A	Windswept, Lux	23.53	64	eP	P	00 15 24.4 -1.4
comp=Z,66nm,1.1s	P45A	Graceland, Par	23.58	77	eP	P	00 15 25.2 -1.1
comp=Z,34nm,0.8s	G43A	Wallace	23.68	63	eP	P	00 15 25.9 -1.4
comp=Z,33nm,0.8s	G43A	Wallace	23.68	63	P	P	00 15 27.2 -0.1
baz=263	E42A	Champion	23.69	60	P	P	00 15 26.9 -0.6
baz=260	U46A	Spillville	23.76	85	P	P	00 15 28.4 +0.2
baz=283	R46A	Gibson Southern	23.93	80	P	P	00 15 30.5 +0.7
baz=279	V46A	Holladay	23.94	86	P	P	00 15 31.3 +1.4
baz=276	P46A	Rosedale	23.98	77	P	P	00 15 32.0 +1.8
baz=276	WVT	Waverly	24.09	85	eP	P	00 15 29.6 -1.7
comp=Z,11nm,1.0s	WVT	Waverly	24.09	85	eP	Pmax	00 15 29.6 -1.7
comp=Z,21nm,1.0s	WVT	Waverly	24.09	85	P	Pmax	00 15 32.0 +0.7
baz=262	F43A	Flat Rock, Esc	24.11	61	P	P	00 15 32.4 +1.0
baz=274	N46A	Monticello	24.24	73	P	P	00 15 31.5 -1.1
baz=262	E43A	Lone Tree Farm	24.31	60	eP	P	00 15 31.8 -1.4
comp=Z,38nm,1.0s	E43A	Lone Tree Farm	24.31	60	P	P	00 15 32.7 -0.5
baz=261	U47A	Clarksville	24.44	84	P	P	00 15 33.3 -1.2
baz=283	W47A	Westpoint	24.49	87	P	P	00 15 34.5 -0.6
baz=286	M46A	Old House Fiel	24.50	72	eP	P	00 15 33.8 -1.2
comp=Z,43nm,1.0s	M46A	Old House Fiel	24.50	72	P	P	00 15 34.3 -0.7
baz=273	S47A	Hartford	24.53	81	P	P	00 15 35.3 0.0
baz=281	YKA	Yellowknife Ar	24.59	4	P	P	00 15 35.5 -0.1
comp=Z,4.7nm,0.8s,slow=181,slow=8.8,SNR=18	YKA	Yellowknife Ar	24.59	4	P	Lg	00 23 15.3
comp=Z,0.2nm,0.6s,slow=172,slow=28,SNR=3.7	YK5A	Yellowknife Ar	24.59	4	eP	Lg	00 15 33.8 -1.8
baz=262	F44A	Big Bay de Noc	24.65	61	P	P	00 15 34.3 -2.0
baz=262	YKWS	Yellowknife Ar	24.66	4	eP	P	00 15 34.9 -1.3
comp=Z,11nm,1.0s	Q47A	Bedord North L	24.67	78	P	P	00 15 34.8 -1.7
baz=278	R47A	Wooly Knot Far	24.68	80	P	P	00 15 35.4 -1.3
baz=275	O47A	Sheridan	24.71	75	P	P	00 15 35.0 -2.0
baz=277	P47A	Martinsville	24.72	77	P	P	00 15 35.3 -1.7
baz=269	J46A	Howard City	25.00	67	P	P	00 15 38.2 -1.3
baz=282	T48A	Bowling Green	25.00	82	P	P	00 15 38.1 -1.4
baz=282	N47A	Urbana	25.02	73	P	P	00 15 37.8 -1.9
baz=274	WHY	Whitehorse	25.04	340	eP	P	00 15 37.9 -1.9
comp=Z,21nm,1.3s	W48A	Pulaski	25.05	87	P	P	00 15 39.0 -1.0
baz=286	L47A	Shenwood	25.34	71	P	P	00 15 41.9 -0.7
baz=272	P48A	Milroy	25.37	77	P	P	00 15 41.8 -1.1
baz=277	K47A	Vermontville	25.47	69	P	P	00 15 41.0 -2.8
baz=271	O48A	Farmland	25.49	75	P	P	00 15 41.2 -2.8
baz=276	N48A	Decatur	25.53	73	P	P	00 15 42.4 -1.9
baz=274	W49A	Belvidere	25.58	87	P	P	00 15 43.3 -0.5
baz=286	J47A	Summer	25.60	68	P	P	00 15 43.4 -1.5

U49A	Red Boiling Sp	25.61	83	P	P	00 1
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Table with columns: Code, Station Name, Az, Az', Phase, ID, ISC, Time, Res. Includes stations like HANSEL VALLEY, MAKANCHI ARRAY, ZALESOVO ARRAY, etc.

SOME 13:00:37:42.7, 42:50N; 79:70E, h20km
KRNET 13:00:37:42.4, 0.1, 42:56N; 79:65E, h11km, mb2.6
NNC 13:00:37:43.0, 0.6, 42:59N; 79:63E, h0km, mb2.7, mpv2.5,
12C-BD, Error ellipse: s-maj=4.1km s-min=2.3km
az=139.0, Lake Issyk-Kul region

Main table of seismic events with columns: Code, Station Name, Az, Az', Phase, ID, ISC, Time, Res. Includes stations like UZB, PDGK, PRZ, KTM, SATY, DJR, KDJ, KOTS, MDOK, TNS, ARX, IZV, CHKK.

Table of seismic events with columns: Code, Station Name, Az, Az', Phase, ID, ISC, Time, Res. Includes stations like CHKK, KTBS, KAPS, KUU, DGS, TKM, MK31.

IDC 13:00:40:06.2, 1.2, 10:81S; 164:20E, h0km, mb3.8/7,
mb1 4.0/9, mb1mx3.9/30, mbtmp3.8/9, ML3.9/2, MS3.5/1,
Ms1 3.5/1, ms1mx3.0/34, Error ellipse: s-maj=42.8km
s-min=21.6km az=124.0
ISCJCB 13:00:40:09.0, 0.6, 10:98S; 0:08, 164:20E; 0:10, h29km,
mb3.9/11, Error ellipse: s-maj=14.6km s-min=11.1km
az=31.9
NEIC 13:00:40:08.1, 4.4, 10:86S; 164:24E, h12km, 27km, mb4.0/3,
Error ellipse: s-maj=9.9km s-min=9.6km az=90.0
ISC 13:00:40:11.0, 0.8, 10:95S; 0:1, 164:08E; 0:09, h29km, n29,
+1919/24, mb3.8/11, Santa Cruz Islands region

Table of seismic events with columns: Code, Station Name, Az, Az', Phase, ID, ISC, Time, Res. Includes stations like HNR, DZM, CTAO, H11S, STKA, WRAP, WRA, H11N, AS31, ASAR, SONA, QSPA, IM3, HDA, ILAR, ILB, ILI, MK32, MKAR, YKA.

ISCJCB 13:00:49:06.1, 0.2, 38:06N; 0:01, 118:02W; 0:02, h10km,
mb3.1/1, Error ellipse: s-maj=2.4km s-min=2.1km
az=161.0
REN 13:00:49:06.6, 38:04N; 118:10W, h4km, ML3.7
ANF 13:00:49:06.2, 0.4, 38:04N; 118:09W, h8km, 2km, ML3.7/15,
Error ellipse: s-maj=3.0km s-min=1.8km az=142.0
NEIC 13:00:49:06.6, 0.0, 38:04N; 118:10W, h4km, ML3.7(REN),
After REN.

NEIC Felt at Carson City, Luning and Wellington. Also felt at
Griggspoint, California.
IDC 13:00:49:13.2, 1.3, 38:50N; 118:33W, h0km, mb2.9/1,
mb1 3.2/2, mb1mx3.1/34, mbtmp2.8/2, ML3.6/1, Error

Table of seismic events with columns: Code, Station Name, Az, Az', Phase, ID, ISC, Time, Res. Includes stations like NV11, NV01, NVAR, RYN, MLAC, MLAC, OMMB, OMMB, MDPB, MDPB, TIN, TIN, KVN, KVN, GRAC, GRAC, WAKR, WAKR, YERR, YERR, CWC, CWC, PNTR, PNTR, VCN, VCN, DAC, DAC, TPNV, TPNV, CMB, CMB, RUBR, RUBR, PAHR, PAHR, R11A, R11A, R11A, R11A, VOG, VOG, MPMC, MPMC, YES, YES, ISA, ISA, ISA, ISA, ISA, ISAF, AFDM, AFDM, BMN, BMN, LRMC, LRMC, BEKR, BEKR, PABE, PABE, GSC, GSC, GSC, GSC, ARVC, ARVC, SAO, SAO, ORV, ORV, TUQ, TUQ, EDW2, EDW2, PSUT, PSUT, DUG, DUG, ELK, ELK, CCUT, CCUT, CCUT, CCUT, LDFF, LDFF, LDFF, LDFF, LCMT, LCMT, LCMT, LCMT, SZCU, SZCU, MODC, MODC, KNOB, KNOB, KNB, KNB, WDC, WDC, WVOR, WVOR, W13A, W13A, W13A, W13A, PFO, PFO, XPFO, XPFO, XPFO, XPFO, PKCU, PKCU, DUG, DUG, DUG, DUG, MTPU, MTPU, MTPU, MTPU, MTPU, MTPU, MSU, MSU, BGR, BGR, U15A, U15A, U15A, U15A, NLU, NLU, Y12C, Y12C, Y12C, Y12C, J08A, J08A, J08A, J08A, MPU, MPU, SPUT, SPUT, SPUT, SPUT, HJU, HJU, P17A, P17A, WUAZ, WUAZ, WUAZ, WUAZ, TCUT, TCUT, SRU, SRU, SRU, SRU, I07A, I07A, I07A, I07A, PINE, PINE, HLID, HLID, PV09, PV09, PV05, PV05, PV14, PV14, PV14, PV14, PV23, PV23, PV23, PV23, PDAR, PDAR, PDAR, PDAR.





MW5.3/106.Moment Tensor Solution. s67,c84; s106.c176; Duration: 111 Moment tensor: Scale 1017 Nm; Mw:0.13±0.02; Mho:0.66±0.03; Mw:0.78±0.03; Mw:0.28±0.02; Mw:0.30±0.03; Mw:0.80±0.02; Best double couple: 1.14200±0.1017 NP1.0±331.00000±.87,00000±.748,00000±. NP2.0±238.00000±.842,00000±.1,176,00000±. Principal axes: T 1.0230, Plg34.0000±, Azm207.0000±; N 0.2390, Plg42.0000±, Azm334.0000±; P -1.2610, Plg29.0000±, Azm94.0000±; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-ratios function.

ISC 13 01 08 06 9.0 3.68 388.0 0.05 26 29W.0.05, h151km,2km, h151km,pp-P, n245, r1835/297, mb4.9/51, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Phase ID, Op, Time Res, ISC, h, m, s, Res, ISC, h, m, s, Res. Lists various seismic stations and their associated data points.

Table with columns: Station Name, Az, Phase ID, Op, Time Res, ISC, h, m, s, Res, ISC, h, m, s, Res. Lists various seismic stations and their associated data points.

Table with columns: Station Name, Az, Phase ID, Op, Time Res, ISC, h, m, s, Res, ISC, h, m, s, Res. Lists various seismic stations and their associated data points.





Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KMI, KUM, KUN, KNI, KPI, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PKIN, HDA, ILI, ILAR, ILB, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KLMR, ARAO, ARCS, AREO, etc.

Table with columns: Name, Comp, Az, El, P, Max, Min, Az, El, P, Max, Min. Includes entries like HRY, CMB, NC405, etc.

Table with columns: COP, Name, Comp, Az, El, P, Max, Min, Az, El, P, Max, Min. Includes entries like GKP, KWP, SHPR, etc.

Table with columns: BRG, Name, Comp, Az, El, P, Max, Min, Az, El, P, Max, Min. Includes entries like PVCC, CLL, VRAC, etc.





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like Antelope Grade, Goldstone, Bar, San Andreas Ge, Oroville, Turquoise Moun, etc.

LJU 13 03:10:28.9, 45.90N, -14.73E, h8km, ML0.3, 1C, Northwestern Balkan Peninsula

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like Visnje, Gorenja Brezov, Vrh nad Dolski, etc.

WAKE ISLAND HY 29.32 4 T T 03 08 36.8 -1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

WAKE ISLAND HY 29.32 4 T T 03 08 36.8 -1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

WAKE ISLAND HY 29.32 4 T T 03 08 36.8 -1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, CTA Charters Tower, etc.

WAKE ISLAND HY 29.32 4 T T 03 08 36.8 -1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

WAKE ISLAND HY 29.32 4 T T 03 08 36.8 -1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

WAKE ISLAND HY 29.32 4 T T 03 08 36.8 -1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

WAKE ISLAND HY 29.32 4 T T 03 08 36.8 -1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

WAKE ISLAND HY 29.32 4 T T 03 08 36.8 -1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

WAKE ISLAND HY 29.32 4 T T 03 08 36.8 -1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like NNZ Nelson, JCZ Jackson Bay, QRZ Quartz Range, etc.

WAKE ISLAND HY 29.32 4 T T 03 08 36.8 -1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

WAKE ISLAND HY 29.32 4 T T 03 08 36.8 -1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

WAKE ISLAND HY 29.32 4 T T 03 08 36.8 -1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

WAKE ISLAND HY 29.32 4 T T 03 08 36.8 -1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

WAKE ISLAND HY 29.32 4 T T 03 08 36.8 -1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

WAKE ISLAND HY 29.32 4 T T 03 08 36.8 -1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

WAKE ISLAND HY 29.32 4 T T 03 08 36.8 -1.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, h, m, s, ISC. Includes stations like WAKE ISLAND HY 29.32, WAKE ISLAND HY 29.34, etc.

















MVCO	Mesa Verde	92.50	44	eP	P	04 10 55.1 +1.2
MVCO	Mesa Verde	92.50	44	P	P	04 10 54.6 +0.7
SUSD	Miller	92.56	34	P	P	04 10 53.9 +0.1
TBI	Tubuai	92.70	115	eLR	LR	04 40 32.6
TAOE	Nuku Hiva Isla	93.02	98	eS	S	04 22 00.8 +0.5
TAOE	Nuku Hiva Isla	93.02	98	eLQ	LQ	04 36 50.7
TAOE				eLR	LR	04 40 54.7
EYMN	Ely	93.11	27	eP	P	04 10 56.7 +0.5
EYMN	Ely	93.11	27	P	P	04 10 56.5 +0.2
W18A	Petrified Fore	93.11	46	P	P	04 10 57.2 +0.4
S22A	4UR Ranch, Cre	93.13	42	eP	P	04 10 57.8 +0.8
S22A	4UR Ranch, Cre	93.13	42	P	P	04 10 58.0 +1.1
214A	Organ Pipe Nat	93.15	50	P	P	04 10 57.4 +0.7
Q24A	Divide	93.26	41	eP	P	04 10 58.0 +0.5
Q24A	Divide	93.26	41	P	P	04 10 58.0 +0.5
X18A	Snowflake	93.36	47	eP	P	04 10 58.8 +0.9
X18A	Snowflake	93.36	47	eP	P	04 11 08.2 -1.3
OGNE	Ogallala	93.57	38	eP	P	04 10 58.7 +0.7
OGNE	Ogallala	93.57	38	P	P	04 10 58.7 +0.1
SCHO	Schefferville	93.78	10	P	P	04 10 58.9 -0.3
SCHO	Schefferville	93.78	10	P	P	04 10 58.9 -0.3
SCHO	Schefferville	93.78	10	P	P	04 10 58.9 -0.3
SCHO	Schefferville	93.78	10	P	P	04 10 58.9 -0.3
SCHO	Schefferville	93.78	10	P	P	04 10 58.9 -0.3
SDCO	Great Sand Dun	93.90	42	P	P	04 11 01.2 +0.8
SDCO	Great Sand Dun	93.90	42	P	P	04 11 01.2 +0.8
E38A	The Farm, Brul	94.17	28	eP	P	04 11 01.4 +0.3
E38A	The Farm, Brul	94.17	28	P	P	04 11 01.2 +0.1
KMBO	Kilima Mbogo	94.20	271	eP	P	04 11 01.4 -0.8
KMBO	Kilima Mbogo	94.20	271	P	P	04 11 01.4 -0.8
KMBO	Kilima Mbogo	94.20	271	P	P	04 55 34.3
ECSD	EROS Data Cent	94.20	33	eP	P	04 11 01.5 +0.1
ECSD	EROS Data Cent	94.20	33	P	P	04 11 01.2 -0.1
TUC	Tucson	94.26	49	eP	P	04 11 02.7 +0.8
TUC	Tucson	94.26	49	P	P	04 11 02.7 +0.8
TUC	Tucson	94.26	49	P	P	04 11 02.7 +0.8
TUC	Tucson	94.26	49	P	P	04 11 02.7 +0.8
TUC	Tucson	94.26	49	P	P	04 11 02.7 +0.8
F37A	Hinrichs Farm,	94.43	29	P	P	04 11 02.5 +0.1
F38A	Pierce - Schro	94.55	29	P	P	04 11 03.3 +0.4
ABPO	Ambohpanom	94.61	251	iP	P	04 11 05.6 +1.9
KSCO	Kaye Shedlock	94.63	39	eP	P	04 11 04.2 +0.6
KSCO	Kaye Shedlock	94.63	39	P	P	04 11 03.7 +0.1
KEST	Kesra	94.73	316	eP	P	04 11 03.2 -0.8
KEST	Kesra	94.73	316	P	P	04 11 03.2 -0.8
KEST	Kesra	94.73	316	P	P	04 59 53.7
SPMN	Marine on St.	94.75	30	P	P	04 11 04.2 +0.4
SPMN	Marine on St.	94.75	30	P	P	04 11 03.7 -0.1
E39A	Mellen	94.75	28	P	P	04 11 03.9 0.0
T25A	Trinidad	94.94	42	eP	P	04 11 06.0 +0.9
T25A	Trinidad	94.94	42	P	P	04 11 05.4 +0.2
D41A	Chassel	94.97	26	P	P	04 11 04.7 -0.1
F39A	Loretta	94.98	28	P	P	04 11 05.1 +0.2
L3A	Ladron	95.19	45	eP	P	04 11 07.5 +1.2
L3A	Ladron	95.19	45	eP	P	04 11 17.8 0.0
L3A	Ladron	95.19	45	eP	P	04 11 07.5 -0.2
BGNE	Belgrade	95.22	35	eP	P	04 11 06.3 +0.2
BGNE	Belgrade	95.22	35	P	P	04 11 05.6 -0.5
ANMO	Albuquerque	95.24	44	eP	P	04 11 07.3 +0.8
ANMO	Albuquerque	95.24	44	P	P	04 11 07.3 +0.8
ANMO	Albuquerque	95.24	44	P	P	04 11 07.1 +0.6
F40A	Park Falls	95.30	28	P	P	04 11 06.4 0.0
E41A	Kenton	95.31	27	P	P	04 11 06.4 0.0
G39A	Holcombe	95.39	29	P	P	04 11 06.6 -0.1
H38A	Maiden Rock	95.41	30	P	P	04 11 06.9 +0.1
Y22I	IRIS PASSCAL I	95.44	45	eP	P	04 11 08.1 +0.3
CW01	Conover	95.55	27	eP	P	04 11 08.0 +0.5
BNM	Barren Site	95.67	45	eP	P	04 11 09.7 +1.1
BNM	Barren Site	95.67	45	eP	P	04 11 20.1 +0.1
E42A	Champion	95.75	26	P	P	04 11 08.8 -0.5
G40A	Rib Lake	95.80	28	eP	P	04 11 09.0 +0.3
G40A	Rib Lake	95.80	28	P	P	04 11 09.0 +0.3
H39A	Augusta	95.83	29	P	P	04 11 08.6 -0.1
319A	Douglas	95.83	49	eP	P	04 11 10.3 +1.1
319A	Douglas	95.86	27	eP	P	04 11 20.0 -0.7
F41A	Three Lakes	95.86	27	P	P	04 11 09.8 +0.9
F41A	Three Lakes	95.86	27	P	P	04 11 09.2 +0.3
121A	Cookes Peak, D	96.03	47	P	P	04 11 11.0 +0.8
E43A	Lone Tree Farm	96.14	26	P	P	04 11 09.9 -0.2
F42A	Maple Grove Fa	96.22	27	P	P	04 11 09.6 -0.3
H40A	Chili	96.25	29	P	P	04 11 10.9 +0.2
G41A	Antigo	96.26	28	P	P	04 11 11.1 +0.3
CBKS	Cedar Bluff	96.33	38	PFAKE	LR	04 11 20.0 +8.8
CBKS	Cedar Bluff	96.33	38	P	P	04 11 10.6 -0.7
E44A	Grand Marais A	96.33	25	P	P	04 11 10.9 -0.1
I39A	Houston	96.40	30	P	P	04 11 10.8 -0.5
F43A	Flat Rock, Esc	96.53	26	P	P	04 11 12.1 +0.2
G42A	Mountain	96.54	27	eP	P	04 11 12.7 +0.7
G42A	Mountain			LR	LR	

G42A	Mountain	96.54	27	P	P	04 11 12.2 +0.3
H41A	Junction City	96.56	28	P	P	04 11 11.9 -0.2
F44A	Big Bay de Noc	96.69	26	P	P	04 11 13.0 +0.4
J39A	Decorah	96.73	30	P	P	04 11 12.0 -0.9
I40A	Norwalk	96.75	29	P	P	04 11 12.8 -0.2
D46A	Sault St. Mari	96.77	24	P	P	04 11 12.6 -0.4
G43A	Wallace	96.81	27	P	P	04 11 13.6 +0.4
E45A	Wooded Hills,	96.83	25	P	P	04 11 13.3 +0.1
CHGO	Chibougamau	96.93	16	P	P	04 11 13.2 -0.4
I41A	Arkdale	96.93	29	eP	P	04 11 13.9 +0.2
I41A	Arkdale	96.93	29	P	P	04 11 13.3 -0.5
D47A	Chapleau	96.95	23	P	P	04 11 13.1 -0.7
LSQQ	Lebel-sur-Quev	97.03	18	P	P	04 11 13.1 -1.0
J40A	Soldiers Grove	97.10	30	P	P	04 11 14.4 -0.2
H42A	Shiocton	97.10	28	eP	P	04 11 15.4 +0.8
H42A	Shiocton	97.10	28	P	P	04 11 14.4 -0.1
E46A	Sault Ste Mari	97.13	24	P	P	04 11 15.5 +0.8
K39A	Deloit	97.16	31	P	P	04 11 14.5 -0.4
SCIA	State Center	97.20	32	eP	P	04 11 16.4 +1.4
SCIA	State Center	97.20	32	P	P	04 11 15.2 +0.1
E47A	Iron Bridge	97.21	31	P	P	04 11 15.6 -0.2
J41A	Loganville	97.43	29	P	P	04 11 16.0 -0.1
I42A	Draeger Farm,	97.46	28	P	P	04 11 15.8 -0.4
K40A	Colesburg	97.49	30	P	P	04 11 16.1 -0.2
L39A	Amos	97.58	31	P	P	04 11 16.4 -0.3
E48A	Lockeyer	97.76	23	P	P	04 11 16.6 -0.9
I43A	Langenfeld Bro	97.78	28	P	P	04 11 17.2 -0.3
G46A	Potosky	97.83	25	P	P	04 11 17.7 -0.1
K41A	Shullsburg	97.93	30	P	P	04 11 17.8 -0.5
L40A	Anamosa	97.97	31	eP	P	04 11 18.5 0.0
L40A	Anamosa	97.97	31	P	P	04 11 18.0 -0.5
M39A	Webster	98.01	32	P	P	04 11 18.6 -0.1
J43A	Natural Harves	98.08	28	P	P	04 11 18.8 -0.2
AMTX	Ams	98.10	42	eP	P	04 11 20.1 +0.7
AMTX	Amarillo	98.10	42	P	P	04 11 19.5 +0.1
MNTX	Cornudas Mount	98.10	46	eP	P	04 11 20.2 +0.9
MNTX	Cornudas Mount	98.10	46	eP	P	04 11 33.6 +0.1
MNTX	Cornudas Mount	98.10	46	eP	P	04 11 19.0 0.0
MSTX	Muthoe	98.11	43	P	P	04 11 19.0 -0.5
K42A	Prairie Point,	98.19	29	P	P	04 11 19.3 -0.2
L41A	Preston	98.28	30	P	P	04 11 19.1 -0.8
E50A	Wahnapitae	98.28	22	P	P	04 11 19.1 -0.7
G47A	Hillman	98.32	24	P	P	04 11 19.8 -0.2
GLMI	Graying	98.34	25	P	P	04 11 20.3 +0.2
H46A	Fife Lake	98.37	26	P	P	04 11 20.0 -0.3
M40A	Post Highland	98.37	31	P	P	04 11 19.7 -0.5
I46A	Reed City	98.78	26	P	P	04 11 21.0 -1.1
M41A	Milil	98.82	31	P	P	04 11 21.9 -0.4
ES19	SONSECA Array	99.86	327	eP	P	04 11 22.5 -0.6
ESDC	Sonsec Array	99.01	327	P	P	04 11 22.4 +0.9
ESDC	Sonsec Array	99.01	327	P	P	04 15 23.8 -0.9
ESDC	Sonsec Array	99.01	327	P	P	04 27 48.4 -0.8
ESDC	Sonsec Array	99.01	327	P	P	05 02 13.4
ESLA	Sonsec Array	99.01	327	PFAKE	LR	04 11 30.0 +6.7
CART	Cartagena	99.16	324	PFAKE	LR	04 11 40.0 +16
N41A	Harden Midland	99.22	31	P	P	04 11 23.4 -0.7
PAB	San Pablo	99.29	327	PFAKE	LR	04 11 40.0 +15
M43A	Waltham Townsh	99.46	30	P	P	04 11 24.6 -0.6
MBAR	Mbarara	99.57	275	PFAKE	LR	04 11 40.0 +14
BUKO	Buck Lake	99.58	21	P	P	04 11 24.9 -0.7
J47A	Summer	99.62	26	P	P	04 11 25.5 -0.3
LATQ	La Tuque	99.67	16	P	P	04 11 25.3 -0.7
O41A	Passleys Farm,	99.69	32	P	P	04 11 25.8 -0.4
WMOK	Wichita Mounta	99.85	40	P	P	04 11 26.7 -0.3
M44A	Midewin, Midew	99.89	29	P	P	04 11 26.8 -0.3
P41A	Barry, Barry	99.96	32	P	P	04 11 27.3 -0.1
MTE	Manteigas	100.06	329	PFAKE	LR	04 11 40.0 +12
P42A	Winchester	100.36	32	P	P	04 11 28.9 -0.4
LTX	Lajitas	100.80	47	eP	P	04 11 31.3 -0.2
LTX	Lajitas	100.80	47	eP	P	04 15 37.5 -1.2
LTX	Lajitas	100.80	47	eP	P	04 11 31.3 -0.2
LTX	Lajitas	100.80	47	eP	P	04 15 37.5 -1.2
LTX	Lajitas	100.80	47	eP	P	04 11 31.6 +0.1
TXAR	Lajitas Array	100.80	47	P	P	04 11 31.3 -0.2
TXAR	Lajitas Array	100.80	47	P	P	04 15 55.6 -1.6
TXAR	Lajitas Array	100.80	47	P	P	04 27 45.6 +0.7
ELFO	Elginfield	100.94	24	P	P	04 11 31.7 -0.1
O45A	Elginfield	100.97	30	P	P	04 11 31.6 -0.3
M48A	Edgerton	101.16	27	PFAKE	LR	04 11 40.0 +7.3
CCM	Cathedral Cave	101.17	33	eP	P	04 11 33.2 +0.3
CCM	Cathedral Cave	101.17	33	eP	P	04 11 32.7 +0.3
CCM	Cathedral Cave	101.17	33	eP	P	04 11 32.7 -0.2
P44A	San Creek, Wi	101.23	31	P	P	04 11 33.1 +0.1
S41A	Jilco Farms,	101.31	34	P	P	04 11 33.1 -0.4

PESTR	Estremoz	101.33	329	PFAKE	LR	04 11 50.0 +16
S42A	Caledonia	101.62	33	P	P	04 11 34.6 -0.2
T41A	Mountain View	101.73	34	P	P	04 11 34.9 -0.5
U40A	Yellville	101.74	35	P	P	04 11 34.7 -0.8
OLIL	Olney	102.06	31	PFAKE	LR	04 11 50.0 +13
T42A	Van Buren	102.07	34	eP	P	04 11 37.2 +0.4
T42A	Van Buren	102.07	34	P	P	04 11 36.8 -0.1
ERPA	Erie	102.34	23	PFAKE	LR	04 11 50.0 +12
S44A	Cardonade	102.39	32	P	P	04 11 38.1 -0.2
L53A	Girard	102.40	24	P	P	04 11 37.8 -0.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like URLA Izmir, SHUT Suhut-Afyon, DOGA KONYA\_Doganhis, etc.

MEX 13 04:56:33.3-0.7, 15.63N, 93.61W, h80km, 8km, MD4.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PCIG Comitan, CMIG Matias Romero, etc.

IDC 13 04:56:47.5-1.2, 11.57S, 165.05E, h0km, mb3.6/5, mb1 4.0/6, mb1mx3.7/35, mbtmp3.7/6, ML4.0/1, Error ellipse: s-maj=44.8km s-min=25.5km az=137.0

ISCJB 13 04:56:51.0-1.0, 11.75S, 165.05E, 0.2, h34km, mb3.6/5, Error ellipse: s-maj=26.9km s-min=19.9km az=1.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM Mont Dzumac, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 13 05:02:06.8-1.8, 3.57S, 131.14E, h0km, mb3.1/2, mb1 3.4/4, mb1mx3.3/34, mbtmp3.2/4, ML3.2/2, Error ellipse: s-maj=99.2km s-min=24.8km az=81.0, Irian Jaya region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SUJI Sorong, WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 13 05:04:37.6-1.1, 10.79S, 165.40E, h0km, mb3.7/8, mb1 3.9/9, mb1mx3.8/32, mbtmp3.7/9, ML3.8/1, MS3.9/3, mb1 4.0/3, ms1mx3.4/34, Error ellipse: s-maj=40.0km s-min=21.7km az=138.0

ISCJB 13 05:04:40.6-0.7, 11.0S, 0.1, 165.0E, 0.2, h30km, mb3.6/7, MS4.6/1, Error ellipse: s-maj=21.6km s-min=15.2km az=28.6

ISC 13 05:04:42.3-0.9, 10.8S, 165.40E, 0.2, h30km, n17, c0819/9, mb3.7/7, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR Honiara, DZM Mont Dzumac, DZM DZM, CTA Charters Tower, etc.

DJA 13 05:10:53.5-0.9, 4N, 111.10E, h10km, M5.0/2, mb5.1/2, mb6.0/2, MLV5.0/2, MW(m)5.6/2, Malay Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like TSI Tuntungan, KCSI Kotacane Aceh, MNSI Mandailing Nat, etc.

BUI 13 05:21:12.9-3.1, 18S, 130.46E, h27km, mb5.4/48, mb5.6/81, MS5.0/82, MS7 4.8/78
ISCJB 13 05:21:15.2-0.6, 2.96S, 0.02, 130.25E, 0.02, h25km, 4km, mb5.6/247, MS4.9/148, Error ellipse: s-maj=3.0km s-min=2.8km az=168.1
GCMT 13 05:21:16.6-0.1, 2.90S, 0.01, 130.21E, 0.01, h15km, MW5.4/119, Moment Tensor Solution, s108, c176; s119, c222; Duration: 1s2 Moment tensor: Science 1017 Nm; Mn:0.75c; 0.02; Mb:0.54c; 0.02; Mw:0.21c; 0.02; Mh:0.23c; 0.03; Ms:1.01c; 0.1; Ml:0.89c; 0.05. Best double couple: M1:4900x1017, M2:13x340, 0.00000; 371, 0.00000, 1.125, 0.00000; NP2:95, 0.00000; 839, 0.00000; 3, 1.00000; Principal axes: T:1.3500, P1g51.0000; Azm290.0000; 0.0, 0.2970, P1g33.0000; Azm147.0000; P: -1.6470, P1g18.0000; Azm45.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface/mantle waves, cutoff=50s. Triangular moment-rate function
MOS 13 05:21:16.7-1.1, 2.89S, 130.16E, h33km, mb5.8/78, MS4.6/24 Error ellipse: s-maj=7.5km s-min=4.1km az=114.4
DJA 13 05:21:17.6-0.5, 3.1S, 113.10E, h27km, 4km, M5.7/91, mb5.7/91, mb6.0/66, MLV5.8/9, MW(m)5.6/66, Mwps.6/2
NEIC 13 05:21:18.6-0.1, 2.99S, 130.21E, h39km, mb5.9/133, MS5.1/94, Error ellipse: s-maj=3.7km s-min=3.0km az=54.0
NEIC Felt (I) at Bula.
IDC 13 05:21:18.2-2.2, 2.91S, 130.39E, h33km, 16km, mb5.0/22, mb5.1/27, mb1mx5.1/29, mbtmp5.3/27, ML5.3/4, MS4.7/31, Ms1 4.7/31, ms1mx4.6/42, Error ellipse: s-maj=16.2km s-min=9.7km az=82.0
KLM 13 05:21:20.3, 3.26S, 129.94E, h25km, mb5.8
ISC 13 05:21:21.5-0.5, 2.98S, 0.03, 130.29E, 0.03, h31km, 3km, n861, c1639/915, mb5.6/248, MS4.9/49, 52C-25D, Seram

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BNDI Bandanaira, FAKI Fak Fak, SUJI Sorong, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like KMMI Kalianget, COEN Coen, COEN Coen, JAGI Jajag, Banyuw, etc.











13d 6h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like RREF, ZARC, ZARC, BARRC, etc.

ISCJB 13 05:33:16.8,0.6,50.39N,0.03,18.82E,0.03,h0km, Error ellipse: s-maj=4.5km s-min=2.4km az=20.4

IPEC 13 05:33:18.2,0.2,50.38N,18.91E, h0km, ML2.2/3, Error ellipse: s-maj=2.5km s-min=1.1km az=171.0

PRU 13 05:33:18.5,0.0,50.35N,18.84E, h0km

VIE 13 05:33:20.1,1.8,50.42N,18.57E, h0km, mb2.2/2, ml2.6/6, Error ellipse: s-maj=15.2km s-min=8.5km az=117.0, Suspected Mining induced.

ISC 13 05:33:18.1,0.9,50.38N,0.04,18.87E,0.02,h0km, n129/52, 1C, Poland

Main table for 13d 6h section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CHZP, OJC, OJC, Ostrava-Krasne, etc.

2013 FEB

Main table for 2013 FEB section with columns: CWC, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Cottonwood Cre, Pine Nut, Darwin (Calif), etc.

SJA 13 05:40:03.6,0.6,31.26S,68.71W, h100km, ML3.5, MW3.5, San Juan Province

Table for SJA section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Cerro Villicun, Zonda, San Juan, etc.

ISC 13 05:57:30.0,0.2,7.91S,129.73E, h0km, mb3.3/1, mb1.3/3, mb1mx3/3, mbtmp3/3, ML3.4/2, Error ellipse: s-maj=101.7km s-min=31.7km az=67.0, Banda Sea

Table for Banda Sea section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, ASAR, ASAR, etc.

1060

0.1nm,0.3s,baz=352,slow=26,SNR=5.5 MKAR Makanchi Array 68.83 327 P P 06 08 36.4 0.0

Table for IDC 13 05:59:59.6,1.6,2.91S,130.24E, h0km, mb3.5/2, mb1.3/7, mb1mx3/4, mbtmp3.5/4, ML3.2/2, Error ellipse: s-maj=50.5km s-min=27.7km az=95.0, Seram

Table for IDC 13 06:09:04.6,4.3,5.88S,146.69E, h0km, mb3.3/3, mb1.3/6, mb1mx3/4, mbtmp3.3/4, ML3.1/1, Error ellipse: s-maj=109.0km s-min=33.6km az=99.0, Eastern New Guinea region

MEX 13 06:12:14.4,0.5,17.98N,103.40W, h15km, MD4.1, Near coast of Michoacan

Table for MEX section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like R15V, URUA, URUA, etc.

IDC 13 06:24:46.0,1.1,3.02S,130.16E, h0km, mb3.9/5, mb1.4/2, mb1mx3.9/3, mbtmp4.0/7, ML4.1/2, MS3.6/1, Ms1.3/6, ms1mx2.7/3, Error ellipse: s-maj=35.0km s-min=18.0km az=80.0

ISCJB 13 06:24:48.9,0.5,2.90S,0.05,129.93E,0.04, h25km, mb2.0/5, Error ellipse: s-maj=7.5km s-min=4.8km

DJA 13 06:24:49.1,0.2,3.2'S,2'13.0'E, h10km, M4.3/6, ML4.3/6

ISC 13 06:25:40.1,0.7,2.95S,0.05,130.05E,0.06, h25km, n22, n120/25, mb4.0/4, Seram

Main table for IDC 13 06:24:46.0,1.1,3.02S,130.16E, h0km, mb3.9/5 section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BNDI, FAKI, FAKI, etc.

BEO 13 06:26:32.9,1.0,40.33N,20.78E, h5km, ML3.0/4, ATH 13 06:26:39.8,40.93N,20.76E, h19km, 2km, ML2.5/2, Error ellipse: s-maj=3.3km s-min=1.4km az=226.0

SKO 13 06:26:40.2,40.92N,20.74E, h15km, M1.8, ML2.2 THE 13 06:26:41.0,40.92N,20.71E, h15km, 3km, ML2.3/5, Error ellipse: s-maj=3.0km s-min=0.7km az=290.0

TIR 13 06:26:41.0,40.95N,20.68E, h5km, ML3.0/2, Error ellipse: s-maj=3.0km s-min=0.7km az=290.0

ISC 13 06:26:40.6,1.0,40.90N,0.02,20.73E,0.02, h4km, 10km, n43, n141/69, Greece-Albania border region

Main table for BEO 13 06:26:32.9,1.0,40.33N,20.78E, h5km, ML3.0/4 section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OHR, BIA, BIA, etc.





13d 9h

ASAR Alice Springs 21.06 172 P P 08 16 07.1 0.0
MKAR Makanchi Array 65.13 325 P P 08 22 04.6 +0.5
KURBB Kurchatov Arra 69.32 327 P P 08 22 30.1 -0.4

IDC 13 08:23:03.3+1.7, 11:10S:165:91E, h0km, mb3.4/3, mb1 3.8/4, mb1mx3.5/3.4, mbtmp3.6/4, ML3.7/1, Error ellipse: s-maj=54.7km s-min=30.6km az=128.0, Santa Cruz Islands

Code Station Name A° AZ° Phase ID Time Res
DZM Mont Dumac 10.92 177 Pn 08 25 40.8 -0.3
WRA Warramunga Arr 31.61 250 P 08 29 28.9 +0.7
ASAR Alice Springs 32.91 243 P 08 29 39.0 -0.7
ILAR Eielson Array 83.51 18 P 08 35 32.8 0.0

IDC 13 08:27:25.3+1.0, 51:47N:16:01E, h0km, mb1 3.6/4, mb1mx3.2/4.3, mbtmp3.4/4, ML3.0/3, Error ellipse: s-maj=18.9km s-min=8.3km az=128.0

IDC 13 08:27:23.1+1.4, 51:56N:0:04:16:14E, h0km, mb1 1.1km, n3.4, r1512/64, 9C, Poland

Code Station Name A° AZ° Phase ID Time Res
KSP Ksiadz 0.72 172 P 08 27 37.3 +0.2
UPC Upice 1.05 184 P 08 27 55.6 -0.6
DPC Dobruska-Polom 1.21 174 P 08 27 46.3 -0.5

Code Station Name A° AZ° Phase ID Time Res
DZM Mont Dumac 10.92 177 Pn 08 25 40.8 -0.3
WRA Warramunga Arr 31.61 250 P 08 29 28.9 +0.7
ASAR Alice Springs 32.91 243 P 08 29 39.0 -0.7
ILAR Eielson Array 83.51 18 P 08 35 32.8 0.0

Code Station Name A° AZ° Phase ID Time Res
MORC Moravsky Berou 1.99 153 Pn 08 27 57.8 +0.1
OKC Ostrava-Zrasne 2.14 143 Pn 08 28 03.8 +1.2
VRAC Vranov 2.27 172 Pn 08 28 02.5 +1.0

Code Station Name A° AZ° Phase ID Time Res
GERES GERS Array B 3.13 211 Pn 08 28 14.5 +1.0
GERES 2.2 2.2nm, 0.3s, baz=27, slow=17, SNR=20
GERES 2.2 2.3nm, 0.3s, baz=28, slow=24, SNR=6.4

Code Station Name A° AZ° Phase ID Time Res
LANS Liptovska Anna 3.22 137 P 08 28 23.5 -1.4
MODS Modra-Piesok 3.27 167 P 08 28 26.2 +0.3
MODS Modra-Piesok 3.27 167 P 08 28 26.2 +0.3

Code Station Name A° AZ° Phase ID Time Res
MOA Molin 3.91 199 Pn 08 28 24.7 +0.8
MOA 3.91 199 Pn 08 29 20.9 +0.6
ARSA Arzberg 4.33 186 Pn 08 28 31.3 +1.5

Code Station Name A° AZ° Phase ID Time Res
KBA Koelnbreinsper 4.84 203 Pn 08 28 37.0 +0.1
SOKA Soboth 4.94 189 Sg 08 30 03.3 +1.6
MYKA Terra Mystica 5.20 199 Sg 08 30 10.2 +0.1

Code Station Name A° AZ° Phase ID Time Res
WTTA Wattenberg 5.20 216 Sg 08 29 58.0 +0.2
RETA Reutte 5.37 223 Sg 08 30 14.8 -0.8
SOTA Sankt Quirin 5.40 218 Pn 08 28 44.9 +0.3

Code Station Name A° AZ° Phase ID Time Res
FETA Feichten 5.75 220 Pn 08 28 50.3 +0.7
FETA 5.75 220 Pn 08 30 12.4 -1.1
DVOX Davos/Dischmal 6.30 223 Lg 08 30 40.7

Code Station Name A° AZ° Phase ID Time Res
AKASG Malin Array Be 8.28 91 Pn 08 29 23.3 -0.7
FINES FINESS Array B 11.31 25 Pn 08 30 05.3 -0.2
ARCES ARCES Array B 18.57 10 Pn 08 31 39.3 -1.5

SOME 13 08:33:17.4, 43:40N:82:17E, h5km
NNC 13 08:33:19.4, 0.8, 43:50N:82:07E, h15km, 5km, mb3.7, mpv3.4, Error ellipse: s-maj=6.4km s-min=3.2km az=139.0

2013 FEB

UZB 47nm,0.4s eS Sb 08 34 31.1 +1.4
KAPS Kappalarasan 2.57 312 Pg Pb 08 34 06.6 +0.1
KAPS 36nm,0.3s Lg Lg 08 34 42.5

KAPS Kappalarasan 2.57 312 eP Sg 08 34 06.6 +0.1
SATY Saty 2.73 260 P 08 34 10.2 +0.9
SATY 58nm,0.2s Lg Lg 08 34 49.0

KURS Kuram 2.84 269 P 08 34 49.0 +1.0
KURS 6.0nm,0.3s Lg Lg 08 34 50.9
KURS 6.0nm,0.3s eP Pb 08 34 11.3 +0.2

KURS Kuram 2.84 269 eP Pb 08 34 11.3 +0.2
KURS 11nm,0.5s eS Sg 08 34 50.9 -0.6
TDK Taldyqorghan 2.98 299 P 08 34 14.0 +0.6

TDK Taldyqorghan 2.98 299 eP Pb 08 34 14.0 +0.6
TDK 64nm,0.3s eS Sg 08 34 55.5 -0.4
ARXS Arharly 3.13 283 P 08 34 17.2 +1.2

ARXS Arharly 3.13 283 eP Pb 08 34 17.2 +1.2
ARXS 41nm,0.3s eS Sg 08 35 01.2 +0.5
MK31 Makanchi Array 3.19 3 Pn 08 34 11.3 +0.8

MK31 Makanchi Array 3.19 3 Pn 08 34 11.3 +0.8
MAKZ Makanchi 3.20 359 Pn 08 34 11.1 +0.4
MAKZ 0.9nm,0.3s P 08 34 20.5 -1.1

MAKZ Makanchi 3.20 359 Pn 08 34 11.1 +0.4
MAKZ 2.5nm,0.3s Sg 08 34 50.0 +1.2
KOTS Kotrybulak 3.64 266 P 08 34 26.2 +1.5

KOTS Kotrybulak 3.64 266 P 08 34 26.2 +1.5
KOTS 24nm,0.4s Lg Lg 08 35 16.2
MDOK Medeo 3.69 265 Lg 08 35 16.5

MDOK Medeo 3.69 265 P 08 34 26.4 +0.7
MDOK 2.7nm,0.4s Lg Lg 08 35 16.7
MDOK Medeo 3.69 265 eP Pb 08 34 26.4 +0.7

MDOK Medeo 3.69 265 eP Pb 08 34 26.4 +0.7
MDOK 9.6nm,0.4s eS Sg 08 35 16.6 -2.2
CHHK Chushkaly 3.70 276 P 08 34 26.8 +1.2

CHHK Chushkaly 3.70 276 P 08 34 26.8 +1.2
CHHK 31nm,0.1s Lg Lg 08 35 17.6
CHHK Chushkaly 3.70 276 eP Pb 08 34 26.8 +1.2

CHHK Chushkaly 3.70 276 eP Pb 08 34 26.8 +1.2
CHHK 31nm,0.1s eS Sg 08 35 17.6 -1.3
TNSS Tian-Shan 3.79 263 P 08 34 28.3 +0.9

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HNR 13nm,0.3s, baz=187, slow=8.1, SNR=2.6 Sn Sb 08 38 31.5 -2.7
HNR 26nm,0.3s, baz=206, slow=14, SNR=2.4 LR 08 39 17.6

DZM Mont Dumac 11.36 169 Pn 08 39 05.5 -0.8
CTA Charters Tower 19.50 240 P 08 40 53.4 +1.1
STKA Stephens Creek 29.50 221 LR 08 53 46.4

WRA Warramunga Arr 30.07 249 P 08 42 32.7 -0.2
H1N1 WAKE ISLAND Hy 30.51 5 T 09 14 29.0
H1N3 WAKE ISLAND Hy 30.52 5 T 09 14 27.6

H1N2 WAKE ISLAND Hy 30.53 5 T 09 14 28.1
ASAR Alice Springs 31.47 242 P 08 42 45.2 -0.1
SONM Songoing Array 77.60 324 P 08 48 20.0 +0.6

ILAR Eielson Array 83.86 19 P 08 48 51.2 -1.2
MKAR Makanchi Array 92.32 317 P 08 49 33.8 +0.3
NNC 13 08:48:08.9+3.0, 53:55N:87:78E, h0km, mb3.6, mpv3.3, 6C-4D, Error ellipse: s-maj=23.9km s-min=10.8km az=59.0, Suspected Mining explosion., Southwestern Siberia

Code Station Name A° AZ° Phase ID Time Res
ZAAO Zalesovo Array 1.80 284 P 08 48 40.6 -0.7
ZAAO 6.6nm,0.5s Lg Lg 08 49 07.8

KURBB Kurchatov Arra 6.41 246 Pn 08 49 45.1 +0.5
KURBB 3.2nm,0.4s Sg Sn 08 50 59.0 +0.6
KURBB 3.3nm,0.5s Lg Lg 08 51 30.6

MK31 Makanchi Array 7.63 210 Pn 08 50 27.1 +1.4
MK31 0.5nm,0.5s, baz=26, slow=11, SNR=1.5 Sn 08 51 28.8 +0.4
MK31 0.5nm,0.5s, baz=32, slow=28, SNR=4.1 Lg Lg 08 52 12.0

MAKZ Makanchi 7.71 211 Pn 08 50 30.9 +1.5
MAKZ 1.0nm,0.6s Sg Sn 08 51 30.9 +0.6
MAKZ 4.0nm,0.9s Lg Lg 08 52 15.3

IDC 13 09:06:13.3+1.3, 11:50S:165:92E, h0km, mb3.6/6, mb1 3.8/7, mb1mx3.7/3.6, mbtmp3.6/7, ML3.9/1, MS3.3/1, Ms1 3.3/1, ms1mx2.5/2.2, Error ellipse: s-maj=45.4km s-min=25.2km az=127.0

IDC 13 09:06:16.6+0.9, 11:79S:0:08:166:0E:0.2, h37km, mb3.5/6, MS3.3/1, Error ellipse: s-maj=27.4km s-min=10.9km az=176.5

IDC 13 09:06:18.5+0.9, 11:64S:0:09:166:0E:0.2, h37km, n9, r151/9, mb3.5/6, Santa Cruz Islands

Code Station Name A° AZ° Phase ID Time Res
DZM Mont Dumac 10.38 178 Pn 08 47 41.1 +2.1
DZM 1.0nm,0.3s, baz=290, slow=18, SNR=16 Sn Sn 09 10 38.0 -2.2

WRA Warramunga Arr 31.50 251 P 09 12 36.4 -0.8
GUMO Guam 32.66 320 LR 09 24 18.3
ASAR Alice Springs 32.73 244 P 09 12 48.0 -0.1

SONM Songoing Array 79.28 324 P 09 19 20.7 +0.4
ILAR Eielson Array 84.00 18 P 09 18 45.4 +0.7
MKAR Makanchi Array 94.11 317 P 09 19 33.7 +0.4

YKA Yellowknife Arr 95.40 27 P 09 19 37.0 -1.7
ARCES ARCES Array B 116.97 345 PKP 09 24 58.6 -0.3
IDC 13 09:12:15.4+13.0, 18:30S:167:38E, h0km, mb4.0/3, mb1 4.2/4, mb1mx3.7/3.2, mbtmp4.0/4, ML3.8/1, Error ellipse: s-maj=233.5km s-min=38.6km az=73.0, Vanuatu Islands

Code Station Name A° AZ° Phase ID Time Res
DZM Mont Dumac 3.86 193 Pn 09 13 16.7 +0.6
DZM 6.8nm,0.3s, baz=66, slow=8.4, SNR=183 Sn Sn 09 14 01.7 -0.5

DZM 44nm,0.3s, baz=323, slow=20, SNR=12 Sn 09 17 57.8 -0.4
STKA Stephens Creek 26.90 235 P 09 17 57.8 -0.4
WRA Warramunga Arr 31.23 262 P 09 18 36.6 -0.4

ASAR Alice Springs 31.66 254 P 09 18 41.2 +0.5
ILAR Eielson Array 84.00 18 P 09 18 45.4 +0.7
MKAR Makanchi Array 94.11 317 P 09 19 33.7 +0.4
YKA Yellowknife Arr 95.40 27 P 09 19 37.0 -1.7

ARCES ARCES Array B 116.97 345 PKP 09 24 58.6 -0.3
IDC 13 09:26:35.8+15.0, 21:56S:177:60W, h549km, 69km, mb3.3/4, mb1 3.4/6, mb1mx3.0/2.5, mbtmp4.3/6, Error ellipse: s-maj=231.0km s-min=37.0km az=54.0, Fiji Islands region

Code Station Name A° AZ° Phase ID Time Res
DZM Mont Dumac 14.83 265 P 09 29 43.3 -0.3
URZ Urewera 17.26 194 P 09 30 06.9 +0.2

CTA Charters Tower 33.77 266 P 09 32 32.9 +0.3
STKA Stephens Creek 37.68 245 P 09 33 03.9 -0.9
ASAR Alice Springs 31.66 254 P 09 34 00.0 -0.1

WRA Warramunga Arr 44.83 263 P 09 34 01.4 -0.1
IDC 13 09:30:23.6+2.3, 19:85S:177:66W, h522km, 25km, mb3.6/15, mb1 3.8/17, mb1mx3.7/2.5, mbtmp4.4/1.7, Error ellipse: s-maj=16.5km s-min=13.9km az=119.0

IDC 13 09:30:26.5+0.2, 19:95S:0:04:177:83W:0.06, h569km, mb4.1/46, Error ellipse: s-maj=7.8km s-min=4.4km az=24.7

WEL 13 09:30:27.0, 19:86S:177:91W, h574km
NEIC 13 09:30:27.9+0.7, 19:86S:177:91W, h574km, 8km, mb4.2/26, Error ellipse: s-maj=10.5km s-min=6.4km az=113.0

IDC 13 09:30:27.5+0.5, 19:95S:0:04:177:79W:0.09, h569km, n142, r151/151, mb4.1/46, 23C-7D, Fiji Islands region

Code Station Name A° AZ° Phase ID Time Res
MSVF Nonsavu 4.49 298 eS P 09 31 54.7 +0.2
MSVF Mare, Loyalty 13.36 261 eP S 09 33 05.9 +1.4

PINOC Pine Island, 14.03 269 eP P 09 33 26.6 -0.3
DZM Mont Dumac 14.88 259 P 09 33 33.8 -1.7
OUZ Omahuta 17.05 205 eP P 09 33 57.0 +1.3

MXZ Matakoaka Point 17.93 190 eP P 09 34 04.8 +1.2
MXZ Matakoaka Point 17.93 190 P 09 34 02.4 -1.2
WMX Waiomatatini S 18.16 190 P 09 34 05.7 0.0

HAZ Te Kaha 18.21 191 P 09 34 07.7 -0.3
RUGZ Raukumara Rang 18.43 191 P 09 34 07.7 -0.7
PUZ Puketiti 18.43 190 P 09 34 08.4 +0.1

TGRZ Tauranga 18.51 195 P 09 34 10.1 +1.1
TWGZ Tauwhareparea 18.58 191 P 09 34 10.0 +0.3
TOZ Tahuroa Road 18.70 197 P 09 34 11.1 +1.0



13d 10h

mb1 5.0/23, mb1mx4.9/31, mbtmp4.8/23, ML4.9/3, MS4.9/25, Ms1 4.9/25, ms1mx4.8/33, Error ellipse: s-maj=17.3km s-min=13.1km az=91.0
BUJ 13 10:08:48.4, 10:43S:164:32E, h11km, mb5.5/50, mb4.9/61, Ms5.3/62, Ms7 5.0/58
NEIC 13 10:08:50.8z.2.8, 10:79S:164:26E, h20km; 17km, mb5.2/106, MS5.2/82, MW5.4, Error ellipse: s-maj=5.9km s-min=5.0km az=130.0, Moment Tensor Solution. s55
Moment tensor: Scale 10^17Nm; Mr:1.42; Mw:1.10; Mw-0.32; Mw0.58; Mw0.40; Mw-0.42; Best double couple: M1:50000\*10^17, NP1:18.00000\*, 831.00000\*, 1.95.00000\*, NP2:285.00000\*, 831.00000\*, 1.03.00000\*
Principal axes: T 1.6000, Plg75.0000, Azm44.0000; N -0.1600, Plg5.0000, Azm296.0000; P -1.4400, Plg14.0000, Azm205.0000\*
ISCJB 13 10:08:50.7z.0.2, 10:74S:0:03:164:18E:0:03, h29km, mb5.1/157, MS5.1/130 Error ellipse: s-maj=5.0km s-min=3.9km az=136.4
GCMT 13 10:08:52.8z.0.1, 10:92S:0:01:164:42E:0:01, h12km, MW5.6/133, Moment Tensor Solution. s114,c202; s133,c251; Duration: 1s5 Moment tensor: Scale 10^17 Nm; Mr:2.23; Mw:1.27; Mw-0.95; Mw-0.95; Mw-0.95; Mw-0.95; Mw-0.95; Mw-0.95; Best double couple: M1:20000\*10^17, NP1:125.00000\*, 361.00000\*, 1.83.00000\* NP2:320.00000\*, 830.00000\*, 1.103.00000\*
Principal axes: T 2.6730, Plg73.0000, Azm18.0000; N 0.2620, Plg6.0000, Azm129.0000; P -2.9330, Plg16.0000, Azm220.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s.
Triangular moment-rate function
MOS 13 10:08:53.3z.1.1, 10:69S:164:07E, h20km, mb5.4/37, MS5.0/14 Error ellipse: s-maj=9.2km s-min=7.2km az=102.9
ISC 13 10:08:52.0z.0.3, 10:83S:0:04:164:39E:0:04, h29km, n423, c194/367, mb5.2/157, MS5.1/131, 7C-3D, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC Op, Time h m s, Res ISC. Rows include stations like HNR Honiara, MARC Mare Loyalty, DZM Mont Dzumac, etc.

2013 FEB

Main table with columns: Station Name, Time, Res, Az, Az', Phase ID, ISC Op, Time h m s, Res ISC. Rows include stations like ASAR Alice Springs, HTT Hallett, RPZ Rata Peaks, etc.

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Table with columns: Station Name, Time, Res, Az, Az', Phase ID, ISC Op, Time h m s, Res ISC. Rows include stations like YSS Yessington, YSS Yessington, YSS Yessington, etc.

Table with columns: Station, Frequency, Class, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like BJT, BJI, GSI, KCSI, etc.

Table with columns: Station, Frequency, Class, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like YAK, SONG, SONA, etc.

Table with columns: Station, Frequency, Class, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like EGAK, DAWY, WAKR, etc.







13d 11h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like TTSI Tana Toraja, PCI Palu, BNSI Bone, etc.

2013 FEB

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like GYA, SHL, SHL, SHL, etc.

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Table with columns for station code, name, frequency, power, and other technical details. Includes stations like ASAR Alice Springs, ASAR Alice Springs, ASAR Alice Springs, etc.



13d 11h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TYV Tymoovskoe, AKTO Aktyubinsk, and various regional stations.

2013 FEB

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LSZ Lusaka, NRIK Noril'sk, and various regional stations.

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Table with columns for station call letters, frequency, power, and other technical details. Includes stations like TIRR Tirusor, LPK Lapseki, and various regional stations.

BBLs	Lazi#263i	86.20 314	eP	P	11 13 00.5 +0.5
NIE	Niedzica	86.40 320	eP	P	11 13 02.1 +1.3
NIE	Niedzica	86.40 320	eP	P	11 13 02.1 +1.3
PSZ	Piszkesteto	86.44 318	eP	P	11 13 01.8 +0.7
PSZ	Piszkesteto	86.44 318	iP	P	11 13 02.2 +1.1
PSZ	Piszkesteto	86.44 318	iP	P	11 13 01.9 +0.7
PSZ	Piszkesteto	86.44 318	iP	P	11 13 01.0 0.0
BEL	Belsk	86.47 322	eP	P	11 13 02.4 +1.4
BEL	Belsk	86.47 322	eP	P	11 13 02.4 +1.4
PBUR	Paburg	86.54 326	eP	P	11 13 02.2 +1.0
			iAmb	iAmb	11 13 03.5
HAPS	Han Pijesak,Bi	86.55 314	eP	P	11 13 02.2 +0.4
SLIT	Slitere, Latvi	86.64 328	eP	P	11 13 01.8 +0.1
SLIT			iAmb	iAmb	11 13 02.4
	comp-Z,230nm,0.8s				
OJC	Ojcow	86.84 320	eP	P	11 13 04.0 +1.1
OJC	Ojcow	86.84 320	eP	P	11 13 04.0 +1.1
LANS	Liptovska Anna	86.89 319	eP	P	11 13 04.4 +1.2
LANS	Liptovska Anna	86.89 319	eP	P	11 13 04.4 +1.2
GSPA	South Pole Qui	86.91 300	eP	P	11 13 04.9 +1.9
MORH	Mrgy, Hungar	87.05 316	eP	P	11 13 04.9 +0.8
MORH	Mrgy, Hungar	87.05 316	eP	P	11 13 04.0 +0.1
VYHS	Vyhne	87.22 319	eP	P	11 13 05.7 +0.9
VYHS			pmax	pmax	
	comp-Z,21nm,1.2s				
VYHS	Kanaga Island	87.22 319	eP	P	11 13 05.7 +0.9
KIWB	Kalinigrad	87.22 328	eP	P	11 13 04.8 +0.1
KLNR	Kalinigrad	87.26 325	iP	P	11 13 05.7 +0.9
			pmax	pmax	
	comp-Z,295nm,0.9s				
KEV	Kevo	87.43 340	eP	P	11 13 06.0 +0.7
KEV	Kevo	87.43 340	eP	P	11 13 06.0 +0.7
KOLL	Kolacno	87.51 319	eP	P	11 13 07.3 +1.1
KOLL	Kolacno	87.51 319	eP	P	11 13 07.3 +1.1
TIP	Timpagrande	87.61 309	eP	P	11 13 08.0 +1.1
TIP	Timpagrande	87.61 309	eP	P	11 13 09.4 +2.4
TH	Thany	87.64 317	eP	P	11 13 07.1 +0.2
OKC	Ostrava-Krasne	87.84 320	eP	P	11 13 09.2 +1.5
OKC			AMS	AMS	11 57 40.0
	comp-Z,300nm,15.7s				
OKC	Ostrava-Krasne	87.84 320	eP	P	11 13 09.2 +1.5
OKC			MLR	MLR	
	comp-Z,230nm,15.7s				
ARCES	ARCES Array B	87.88 340	P	P	11 13 07.9 +0.4
ARCES					
	comp-Z,16nm,1.4s,baz=115,slow=6.4,SNR=6.7				11 16 35.6 +1.6
AREO	ARCES Array S	87.88 340	eP	P	11 13 08.3 +0.8
BLY	Banja Luka	87.89 315	eP	P	11 13 09.5 +1.5
BLY	Banja Luka	87.89 315	iP	P	11 13 09.6 +1.5
SMOL	Smolenice	88.15 319	eP	P	11 13 10.9 +1.6
SMOL	Smolenice	88.15 319	eP	P	11 13 10.8 +1.6
MORC	Moravsky Berou	88.22 320	eP	P	11 13 10.2 +0.6
MORC	Moravsky Berou	88.22 320	iP	P	11 13 11.5 +1.9
MORC	Moravsky Berou	88.22 320	eP	P	11 13 10.2 +0.6
MORC	Moravsky Berou	88.22 320	eP	P	11 13 11.0 +1.1
MORC	Moravsky Berou	88.22 320	eP	P	11 13 11.1 +1.5
MODS	Modra-Piesok	88.23 318	eP	P	
MODS			pmax	pmax	
	comp-Z,68nm,1.2s				
MODS	Modra-Piesok	88.23 318	eP	P	11 13 11.1 +1.5
ZST	Bratislava	88.33 318	eP	P	11 13 10.0 -0.1
ZST			pmax	pmax	
	comp-Z,5.0nm,0.9s				
ZST	Bratislava	88.33 318	eP	P	11 13 10.0 -0.1
BEHE	Becsehely	88.36 317	eP	P	11 13 11.1 +0.8
BEHE	Becsehely	88.36 317	eP	P	11 13 12.2 +1.9
KTKI	Kautokaino	88.54 339	eP	P	11 13 10.9 +0.6
SOP	Sopron	88.64 318	eP	P	11 13 12.8 +1.3
SOP	Sopron	88.64 318	eP	P	11 13 10.1 -1.4
KOGS	Kog	88.72 316	iP	P	11 13 13.4 +1.4
HAMF	Hammerfest	88.75 341	eP	P	11 13 11.8 +0.2
KRLC	Kraliky	88.75 320	eP	P	11 13 13.9 +1.8
KRLC	Kraliky	88.75 320	eP	P	11 13 13.9 +1.8
VRAC	Vranov	88.78 319	iP	P	11 13 13.8 +1.6
VRAC	Vranov	88.78 319	iP	P	11 13 13.8 +1.6
VRAC	Vranov	88.78 319	eP	P	11 13 13.4 +1.2
GKP	Gorka Kiasztor	88.82 323	eP	P	11 13 13.2 +1.0
GKP	Gorka Kiasztor	88.82 323	eP	P	11 13 13.1 +1.0
KRUC	Moravsky	88.89 319	eP	P	11 13 13.9 +1.2
KRUC	Moravsky	88.89 319	eP	P	11 13 13.8 +1.1
DPC	Dobruska-Polom	89.07 320	eP	P	11 13 15.5 +1.9
DPC	Dobruska-Polom	89.07 320	eP	P	11 13 15.5 +1.9
CONA	Conrad Observa	89.13 318	iP	P	11 13 14.6 +0.7
CONA			PP	PP	
	comp-Z,20nm,0.9s,SNR=5.2				11 16 44.5 -0.2
	comp-Z,10nm,1.1s				
KSP	Ksiaz	89.14 321	eP	P	11 13 15.5 +1.7
KSP	Ksiaz	89.14 321	eP	P	11 13 15.7 +1.7
CRES	Cresnjevi	89.21 316	iP	P	11 13 15.6 +1.3
UPC	Upice	89.28 320	eP	P	11 13 16.1 +1.6
UPC			ex	x	11 13 20.7
UPC	Upice	89.28 320	eP	P	11 13 16.1 +1.6
ARSA	Arzberg	89.29 317	iP	P	11 13 16.2 +1.5
ARSA			PP	PP	
	comp-Z,46nm,0.9s,SNR=11				11 16 45.8 -0.2
	comp-Z,9.1nm,1.1s				
BOJS	Bojanci	89.32 315	iP	P	11 13 16.2 +1.4
TREC	Trest	89.50 319	eP	P	11 13 17.0 +1.4
TREC	Trest	89.50 319	eP	P	11 13 17.0 +1.4
SOKA	Sothob	89.58 317	iP	P	11 13 17.7 +1.7
	comp-Z,80nm,1.0s,SNR=13				
HOPEN	Hopen	89.75 347	eP	P	11 13 16.5 +0.4
LJU	Ljubljana	89.87 316	iP	P	11 13 19.0 +1.5
LJU	Ljubljana	89.87 316	iP	P	11 13 19.5 +1.5
CEY	Cernica	90.02 316	iP	P	11 13 18.6 +1.0
GOPC	GO Peeny, Ondr	90.01 320	eP	P	11 13 19.7 +1.7
GOPC			AMS	AMS	12 02 40.0
	comp-Z,400nm,21.8s				
GOPC	GO Peeny, Ondr	90.01 320	eP	P	11 13 19.7 +1.7
GOPC			MLR	MLR	
	comp-Z,400nm,21.8s				
TRO	Tromso	90.16 340	eP	P	11 13 18.5 +0.3
PRU	Pruhonice	90.17 320	eP	P	11 13 20.2 +1.5
PRU	Pruhonice	90.17 320	eP	P	11 13 20.2 +1.5
MOA	Molin	90.19 318	iP	P	11 13 19.8 +0.9
	comp-Z,24nm,0.8s				
MOA			PP	PP	11 16 53.6 +0.5
	comp-Z,12nm,1.2s				
PVCC	Panska Ves	90.20 320	eP	P	11 13 20.7 +1.9
PVCC	Panska Ves	90.20 320	eP	P	11 13 20.7 +1.9
AQU	L'Aquila	90.42 312	eP	P	11 13 21.9 +1.8
AQU	L'Aquila	90.42 312	eP	P	11 13 21.9 +1.8
AQU	L'Aquila	90.42 312	eP	P	11 13 21.5 +1.4
MYKA	Terra Mystica	90.53 316	iP	P	11 13 21.6 +1.1
	comp-Z,19nm,0.7s				
BRG	Berggiesshubel	90.62 321	iP	P	11 13 22.3 +1.6
	comp-Z,45nm,0.9s				
BRG			eP	P	11 13 36.9
BRG			iP	PP	11 16 49.1 -7.3
	comp-Z,4.3nm,1.0s				
	comp-N,652nm,18.2s				
	comp-E,404nm,17.7s				
	comp-Z,862nm,19.5s				
BRG	Berggiesshubel	90.62 321	iP	P	11 13 22.3 +1.6
BRG			i		11 13 36.9
BRG			pmax	pmax	
	comp-Z,45nm,0.9s				
BRG			MLR	MLR	
	comp-N,652nm,18.2s				
BRG			MLR	MLR	
	comp-E,404nm,17.7s				
BRG			MLR	MLR	
	comp-Z,862nm,19.5s				
GERES	GERES Array B	90.64 319	P	P	11 13 22.0 +1.0
GERES			PP	PP	11 16 59.6 +2.9
	comp-Z,2.6nm,0.8s,baz=81,slow=6.1,SNR=5.3				
KHC	Kasperske Hory	90.74 319	eP	P	11 13 22.6 +1.2
KHC	Kasperske Hory	90.74 319	eP	P	11 13 22.9 +1.5
KHC	Kasperske Hory	90.74 319	eP	P	11 13 22.9 +1.5
KBA	Koelnbreinsper	90.76 317	iP	P	11 13 22.2 +0.5
	comp-Z,28nm,0.9s				
KBA	Koelnbreinsper	90.76 317	eP	P	11 13 23.2 +1.5
RUE	Ruedersdorf	90.83 322	eP	P	11 13 22.6 +0.9
RUE			iAmb	iAmb	11 13 24.5
	comp-Z,116nm,1.1s				
WET	Wetzell	91.20 319	P	P	11 13 25.2 +1.7
CLL	Collm	91.24 321	iP	P	11 13 24.4 +0.8
CLL			eP	PP	11 13 42.0 +2.9

CLL	Collm	91.24 321	iP	P	11 13 24.4 +0.8
CLL			e		11 13 42.0
CLL			pmax	pmax	
	comp-Z,28nm,1.0s				
CLL			MLR	MLR	
	comp-Z,400nm,18.1s				
STEI	Steigen	91.29 338	eP	P	11 13 24.2 +0.8
ABTA	Abfaltersbach	91.31 317	iP	P	11 13 24.7 +0.6
	comp-Z,24nm,0.9s				
MOR8	Mot Rana	91.47 336	eP	P	11 13 24.7 +0.3
NKC	Novy Kostel	91.54 320	P	P	11 13 26.9 +1.9
SPAO	Spitsbergen Ar	91.91 348	eP	P	11 13 25.8 -0.4
SPAO	Spitsbergen Ar	91.91 348	eP	P	11 13 25.6 -0.7
WTTA	Wattenberg	91.94 317	iP	P	11 13 27.8 +0.6
	comp-Z,38nm,0.8s,SNR=13				
LOF	Lofoten	91.95 338	eP	P	11 13 27.2 +0.7
WATA	Walderalm	91.98 317	iP	P	11 13 27.3 0.0
	comp-Z,31nm,0.8s,SNR=8.7				
HSPB	Hornsund (broa	91.98 347	eP	P	11 13 26.6 +0.1
KONS	Konsvik	92.02 336	eP	P	11 13 27.4 +0.5
MOX	Moxa	92.09 320	P	P	11 13 28.9 +1.3
SQTA	Sankt Quirin	92.22 317	iP	P	11 13 29.0 +0.6
	comp-Z,38nm,0.6s,SNR=13				
MOTA	Moslein	92.30 317	iP	P	11 13 29.4 +0.5
	comp-Z,38nm,0.8s,SNR=23				
GRFO	Grafenberg	92.31 319	eP	P	11 13 30.0 +1.4
GRFO	Grafenberg	92.31 319	eP	P	11 13 30.0 +1.4
NKH	Nikolski Arry	92.38 37	eP	P	11 13 28.7 -0.1
NS	Nesna	92.41 334	eP	P	11 13 29.5 +0.8
NC602	NORSAR High S	92.48 331	eP	P	11 13 29.3 +0.2
NORES	NORESS Array B	92.48 331	P	P	11 13 29.6 +0.4
NORES			pmax	pmax	
	comp-Z,8.0nm,0.7s				
RETA	Reinsdal	92.54 317	iP	P	11 13 30.5 +0.7
	comp-Z,42nm,0.7s,SNR=16				
FETA	Feichten	92.55 317	iP	P	11 13 30.9 +0.9
	comp-Z,28nm,0.8s,SNR=8.9				
NB2	NORSAR Subarra	92.65 331	P	P	11 13 29.8 -0.2
NB2	NORSAR Subarra	92.65 331	P	P	11 13 28.7 -1.3
NB2	NORSAR Subarra	92.65 331	P	P	11 13 29.8 -0.2
	comp-Z,94,slow=5.3				
NOA	NORSAR Array B	92.65 331	P	P	11 13 29.9 -0.1
	comp-Z,11nm,0.8s,baz=93,slow=4.6,SNR=29				
NOA			PP	PP	11 13 12.8 +0.7
	comp-Z,5.4nm,0.8s,baz=90,slow=7.6,SNR=7.6				
NOA			LR	LR	11 59 00.6
	comp-Z,27nm,21.7s,baz=90,slow=7.6,SNR=7.6				
KBS	Kingsbay	92.84 349	eP	P	11 13 28.7 -1.7
DAVA	Damuels	93.13 317	iP	P	11 13 33.7 +1.1
	comp-Z,57nm,0.8s,SNR=12				
KEST	Kesra	93.28 305	eP	P	11 13 35.7 +2.2
KEST	Kesra	93.28 305	eP	P	11 13 35.9 +2.4
	comp-Z,31nm,1.0s,baz=172,slow=1.8,SNR=12				
KONO	Kongsberg	93.44 329	eP	P	11 13 34.5 +0.9
KONO	Kongsberg	93.44 329	eP	P	11 13 34.5 +0.9
KONO	Kongsberg	93.44 329	eP	P	11 13 34.1 +0.6
KONO	Kongsberg	93.69 332	eP	P	

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D47A	Chapleau	136.02	4	P	PKPpdf	11 19 40.0 +0.6
F39A	Loretta	136.02	12	P	PKPpdf	11 19 40.3 +0.8
D54A	Lac Fusel, La	136.04	358	P	PKPpdf	11 19 40.0 +0.5
D50A	G1974 Best Tow	136.06	1	P	PKPpdf	11 19 39.7 +0.2
E42A	Champion	136.08	9	P	PKPpdf	11 19 40.3 +0.7
D46A	Sault St. Mari	136.10	5	P	PKPpdf	11 19 39.8 +0.2
D51A	Lot 18 Range, P	136.14	1	P	PKPpdf	11 19 40.0 +0.3
D53A	Lac Vacive, Po	136.14	359	P	PKPpdf	11 19 40.0 +0.3
E44A	Grand Marais A	136.17	7	P	PKPpdf	11 19 40.2 +0.5
F40A	Park Falls	136.18	11	P	PKPpdf	11 19 39.7 0.0
COWI	Conover	136.19	10	ePKPpdf	PKPpdf	11 19 39.9 +0.1
SPMN	Marine on St.	136.24	14	P	PKPpdf	11 19 40.6 +0.8
D52A	ZEK Kipawa Sen	136.26	360	P	PKPpdf	11 19 40.2 +0.4
E43A	Lone Tree Farm	136.27	8	P	PKPpdf	11 19 40.6 +0.7
MVCO	Mesa Verde	136.42	35	ePKPpdf	PKPpdf	11 19 41.8 -0.7
MVCO	Mesa Verde	136.42	35	P	PKPpdf	11 19 40.9 +0.1
E45A	Wooded Hills,	136.52	6	P	PKPpdf	11 19 40.9 +0.6
G38A	Ridgeland	136.52	13	P	PKPpdf	11 19 40.7 +0.3
ECSD	EROS Data Cent	136.53	19	ePKPpdf	PKPpdf	11 19 40.3 -0.2
ECSD	EROS Data Cent	136.53	19	P	PKPpdf	11 19 41.5 -0.7
F41A	Three Lakes	136.55	11	P	PKPpdf	11 19 41.2 +0.7
G39A	Holcombe	136.56	13	P	PKPpdf	11 19 40.6 +0.2
E46A	Sault Ste Mari	136.60	6	P	PKPpdf	11 19 40.9 +0.4
E47A	Iron Bridge	136.60	5	P	PKPpdf	11 19 41.1 +0.6
E48A	Lockeey	136.65	3	P	PKPpdf	11 19 40.9 +0.3
E51A	G1948 Merrick	136.70	1	P	PKPpdf	11 19 41.5 +0.8
F43A	Flat Rock, Esc	136.78	9	P	PKPpdf	11 19 41.5 +0.7
E50A	Wahnapiitae	136.78	2	P	PKPpdf	11 19 41.5 +0.7
E54A	Lac Duplat, Po	136.78	358	P	PKPpdf	11 19 41.5 +0.7
G40A	Rib Lake	136.79	12	P	PKPpdf	11 19 41.6 +0.6
E53A	Dumoine, Ponti	136.84	359	P	PKPpdf	11 19 41.3 +0.4
H38A	Maiden Rock	136.88	14	P	PKPpdf	11 19 41.2 +0.1
E52A	Mattawa	136.95	360	P	PKPpdf	11 19 41.6 +0.5
S22A	4UR Ranch, Cre	136.97	33	P	PKPpdf	11 19 41.9 +0.1
G41A	Antigo	137.04	11	P	PKPpdf	11 19 42.6 -0.7
W18A	Petrified Fore	137.10	38	P	PKPpdf	11 19 42.7 +0.7
F45A	CMU Biological	137.14	7	P	PKPpdf	11 19 42.9 -0.5
G42A	Mountain	137.15	10	P	PKPpdf	11 19 42.7 -0.6
F51A	Arnstein	137.29	1	P	PKPpdf	11 19 42.6 +0.8
F55A	Older Lake	137.35	357	P	PKPpdf	11 19 42.9 -0.9
H40A	Chili	137.37	12	P	PKPpdf	11 19 43.1 -0.8
H41A	Junction City	137.52	11	P	PKPpdf	11 19 43.2 +0.9
G46A	Petoskey	137.58	6	P	PKPpdf	11 19 43.6 -0.7
SDCO	Great Sand Dun	137.69	32	P	PKPpdf	11 19 43.6 +0.5
G47A	Hillman	137.82	5	P	PKPpdf	11 19 43.4 +0.6
H42A	Shiocton	137.84	10	P	PKPpdf	11 19 44.4 -0.5
I39A	Houston	137.84	14	P	PKPpdf	11 19 43.8 +0.9
KLBO	Killbuck Provi	137.86	1	P	PKPpdf	11 19 44.1 -0.7
H43A	Windswept, Lux	138.01	10	P	PKPpdf	11 19 44.6 -0.6
I40A	Norwalk	138.01	13	P	PKPpdf	11 19 44.3 -1.0
I41A	Arkdale	138.01	12	P	PKPpdf	11 19 44.3 -0.9
BGNE	Belgrade	138.04	22	P	PKPpdf	11 19 45.0 -0.4
GLV3A	Haliburton	138.11	360	P	PKPpdf	11 19 44.7 -0.7
P53A	Plevna	138.17	358	P	PKPpdf	11 19 45.0 -0.5
TUC	Tucson	138.19	42	ePKPpdf	PKPpdf	11 19 45.5 -0.6
TUC	Tucson	138.19	42	P	PKPpdf	11 19 45.1 -0.9
BANO	Bancroft	138.21	359	P	PKPpdf	11 19 45.0 -0.6
J39A	Decorah	138.29	14	P	PKPpdf	11 19 44.6 +0.9
I42A	Draeger Farm,	138.37	11	P	PKPpdf	11 19 45.1 -0.8
J40A	Soldiers Grove	138.46	13	P	PKPpdf	11 19 45.0 +1.0
SAD0	Sadowa	138.46	0	ePKPpdf	PKPpdf	11 19 43.7 -0.3
J41A	Loganville	138.65	12	P	PKPpdf	11 19 45.3 +1.0
T25A	Trinidad	138.72	32	P	PKPpdf	11 19 45.9 +0.9
I48A	Sherman Twp	138.82	5	P	PKPpdf	11 19 45.7 +1.1
I46A	Reed City	138.87	7	P	PKPpdf	11 19 46.3 -0.7
J42A	Columbus	138.88	11	P	PKPpdf	11 19 46.2 -0.8
J43A	Natural Harves	138.95	11	P	PKPpdf	11 19 46.3 -0.8
K40A	Colesburg	139.02	14	P	PKPpdf	11 19 46.7 -0.6
JFWS	Jewell Farm	139.03	13	PKPpdf	PKPpdf	11 19 44.7 -0.4
JFWS	Jewell Farm	139.03	13	PKPpdf	PKPpdf	11 19 44.7 -0.4
JFWS	Jewell Farm	139.03	13	PKPpdf	PKPpdf	11 19 46.1 +1.0
BWLO	Walkerton	139.06	3	P	PKPpdf	11 19 47.1 -0.2
I49A	Point Hope	139.14	4	P	PKPpdf	11 19 46.8 -0.7
ANMO	Albuquerque	139.18	36	ePKPpdf	PKPpdf	11 19 47.2 -0.9
ANMO	Albuquerque	139.18	36	ePKPpdf	PKPpdf	11 19 47.2 -0.9
ANMO	Albuquerque	139.18	36	P	PKPpdf	11 19 47.2 -0.9
SCIA	State Center	139.22	17	ePKPpdf	PKPpdf	11 19 45.5 +0.1
SCIA	State Center	139.22	17	P	PKPpdf	11 19 47.1 -0.6
K41A	Shullsburg	139.31	13	P	PKPpdf	11 19 47.0 -0.9
WLVO	Wesleyville	139.31	360	P	PKPpdf	11 19 47.2 -0.6
K42A	Prairie Point,	139.35	12	P	PKPpdf	11 19 47.0 -1.0
L39A	Winton	139.35	15	P	PKPpdf	11 19 47.2 -0.8
L40A	Anamosa	139.36	14	P	PKPpdf	11 19 47.6 -0.9
ACTO	Action	139.61	1	P	PKPpdf	11 19 48.1 -0.4
CBKS	Cedar Bluff	139.62	26	P	PKPpdf	11 19 48.0 -0.8
TORO	Toronto-Lesli	139.62	1	P	PKPpdf	11 19 47.7 -0.8
K43A	Burlington	139.62	11	P	PKPpdf	11 19 47.9 -0.7
J47A	Summer	139.64	7	P	PKPpdf	11 19 48.4 -0.1

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J49A	Marlette	139.69	5	P	PKPpdf	11 19 48.1 -0.6
J48A	Bridge Port	139.69	6	P	PKPpdf	11 19 48.1 -0.5
L41A	Preson	139.77	14	P	PKPpdf	11 19 48.5 -0.4
M39A	Webster	139.91	16	P	PKPpdf	11 19 48.6 -0.6
J55A	Hilton	139.96	359	P	PKPpdf	11 19 48.6 -0.6
J52A	Paris	139.97	2	P	PKPpdf	11 19 48.7 -0.5
ELFO	Elginfield	139.98	3	P	PKPpdf	11 19 48.8 -0.4
121A	Cookes Peak, D	140.01	40	P	PKPpdf	11 19 49.1 -0.8
L42A	Oliver, Polo	140.02	13	P	PKPpdf	11 19 48.6 -0.8
STCO	Saint Catharin	140.02	0	P	PKPpdf	11 19 48.8 -0.5
L43A	Garden Prairie	140.04	12	P	PKPpdf	11 19 48.7 -0.7
K46A	Dot	140.06	8	P	PKPpdf	11 19 48.8 -0.6
MEDO	Medina	140.07	360	P	PKPpdf	11 19 49.0 -0.4
TYNO	Tyneside	140.13	1	P	PKPpdf	11 19 49.2 -0.3
K48A	Perry	140.15	6	P	PKPpdf	11 19 49.2 -0.4
M40A	Post Highland	140.15	15	P	PKPpdf	11 19 49.0 -0.7
K47A	Vermontville	140.18	7	P	PKPpdf	11 19 49.4 -0.3
L44A	Lake County Fo	140.21	11	P	PKPpdf	11 19 49.3 -0.5
K52A	Tilsonburg	140.42	2	P	PKPpdf	11 19 49.5 -0.6
M41A	Milan	140.42	14	P	PKPpdf	11 19 49.4 -0.8
K51A	Ion Station	140.44	3	P	PKPpdf	11 19 49.8 -0.4
K55A	Perry	140.50	359	P	PKPpdf	11 19 50.0 -0.4
M42A	Sheffield	140.53	13	P	PKPpdf	11 19 49.5 -0.9
N40A	Mertquake, Sal	140.62	15	P	PKPpdf	11 19 49.8 -0.8
KSU1	Kansas State U	140.63	22	ePKPpdf	PKPpdf	11 19 48.3 +0.2
KSU1	Kansas State U	140.63	22	P	PKPpdf	11 19 49.8 -0.9
M43A	Waltham Townsh	140.72	12	P	PKPpdf	11 19 50.3 -0.5
L47A	Sherwood	140.83	8	P	PKPpdf	11 19 50.5 -0.6
L49A	Milan	140.87	6	P	PKPpdf	11 19 50.7 -0.3
M44A	Midewin, Midew	140.95	11	P	PKPpdf	11 19 50.9 -0.4
BINY	Binghamton	140.95	357	ePKPpdf	PKPpdf	11 19 48.4 -0.3
BINY	Binghamton	140.95	357	P	PKPpdf	11 19 51.1 -0.2
L48A	N Adams	140.96	7	P	PKPpdf	11 19 50.8 -0.5
N41A	Harden Midland	140.97	15	P	PKPpdf	11 19 50.6 -0.8
L55A	Hinsdale	141.05	360	P	PKPpdf	11 19 51.0 -0.5
N42A	Yates City	141.06	14	P	PKPpdf	11 19 50.8 -0.7
M45A	Boilermakers S	141.09	10	P	PKPpdf	11 19 51.2 -0.4
ERPA	Paris	141.10	1	P	PKPpdf	11 19 51.2 -0.3
N43A	Stutzman Famil	141.15	13	P	PKPpdf	11 19 51.1 -0.6
M46A	Old House Fiel	141.22	9	P	PKPpdf	11 19 51.4 -0.4
L53A	Girard	141.26	2	P	PKPpdf	11 19 51.6 -0.3
M48A	Edgerton	141.38	7	P	PKPpdf	11 19 51.5 -0.6
M47A	Cromwell	141.38	8	P	PKPpdf	11 19 51.6 -0.6
M49A	Liberty Center	141.47	6	P	PKPpdf	11 19 51.6 -0.7
HDIL	Hopedale	141.49	13	P	PKPpdf	11 19 51.6 -0.8
N44A	Piper City	141.50	11	P	PKPpdf	11 19 51.8 -0.6
O41A	Pawneys Farm,	141.52	15	P	PKPpdf	11 19 51.6 -0.9
N45A	Kentland	141.57	11	P	PKPpdf	11 19 52.3 -0.2
M52A	Chesterland	141.62	3	P	PKPpdf	11 19 52.4 -0.3
M50A	Fremont	141.64	5	P	PKPpdf	11 19 51.9 -0.8
O42A	Bath	141.65	14	P	PKPpdf	11 19 52.3 -0.4
N46A	Monticello	141.66	10	P	PKPpdf	11 19 52.4 -0.3
M54A	Oil Creek Stat	141.72	1	P	PKPpdf	11 19 52.5 -0.4
O43A	Sugar Creek Fa	141.74	13	P	PKPpdf	11 19 52.2 -0.8
M53A	WI Miller and	141.76	2	P	PKPpdf	11 19 52.3 -0.7
M55A	Ridgeway	141.76	360	P	PKPpdf	11 19 52.5 -0.5
AMTX	Amarillo	141.86	31	ePKPpdf	PKPpdf	11 19 50.6 0.0
P41A	Barry, Barry	141.89	15	P	PKPpdf	11 19 52.6 -0.7
N48A	Decatur	141.95	8	P	PKPpdf	11 19 52.6 -0.8
MSTX	Muleshoe	141.98	33	P	PKPpdf	11 19 52.8 -0.9
N49A	Columbus Grove	142.00	7	P	PKPpdf	11 19 52.7 -0.7
MNTX	Cornudas Mount	142.08	38	P	PKPpdf	11 19 53.3 -0.7
SPIN	Lafayette	142.10	10	P	PKPpdf	11 19 53.3 -0.4
F42A	Winchester	142.16	15	P	PKPpdf	11 19 53.0 -0.8
N50A	Nevada	142.25	5	P	PKPpdf	11 19 53.4 -0.6
P43A	Skaggs, Pawnee	142.31	14	P	PKPpdf	11 19 53.4 -0.7
N52A	McGinn's Farm,	142.33	4	P	PKPpdf	11 19 53.5 -0.6
N53A	Lisbon	142.38	3	P	PKPpdf	11 19 53.6 -0.6
O47A	Sheridan	142.40	9	P	PKPpdf	11 19 53.6 -0.7
Q41A	Truon	142.52	16	P	PKPpdf	11 19 53.9 -0.7
O48A	Farmland	142.53	8	P	PKPpdf	11 19 53.8 -0.7
Q42A	Covington	142.70	7	P	PKPpdf	11 19 54.3 -0.7
O49A	Golden Eagle	142.75	15	P	PKPpdf	11 19 54.5 -0.5
P45A	Graceland, Par	142.80	11	P	PKPpdf	11 19 54.7 -0.4
ACSO	Alum Creek Sta	142.81	5	P	PKPpdf	11 19 54.6 -0.5
P46A	Rosedale	142.82	11	P	PKPpdf	11 19 54.7 -0.5
O50A	Cable	142.83	6	P	PKPpdf	11 19 54.8 -0.4
O53A	New Philadelph	142.92	3	P	PKPpdf	11 19 55.0 -0.4
O51A	Pataskala	142.92	5	P	PKPpdf	11 19 55.1 -0.3
Q43A	New Douglas	142.93	14	P	PKPpdf	11 19 55.3 -0.1
O56A	Blue Knob Stat	142.96	360	P	PKPpdf	11 19 55.3 -0.2
O52A	Adamsville	143.01	4	P	PKPpdf	11 19 55.1 -0.5
O54A	Avella	143.02	2	P	PKPpdf	11 19 55.4 -0.2
R41A	Rosebud	143.09	17	P	PKPpdf	11 19 48.7 +0.8
P47A	Martinsville	143.11	10	P	PKPpdf	11 19 48.3 +0.3
Q44A	Meyer Farm, Va	143.13				

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Bald Knob, Clarksville, Hallie, Gray, Cassie Pea, Blacksburg, Waverly, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Ashland, Franklin, Godfrey, Williamson, Monticello, Jones, Sparta, etc.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Keuruu, FINESS Array S, Vliostaro, etc.

KOLA 13 11:05:50.8, 68.08'N-33.21'E, M1.7, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014)

HEL 13 11:05:49.5±0.3, 68.35±0.330'E, h0km, ML1.8, Explosion, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like VRR, VRF, VRF, etc.

SOME 13 11:07:35.3, 40.47'N-78.43'E, h20km, KRNET 13 11:07:37.8±0.1, 40.49'N-77.99'E, h8km, mb3.5, NNC 13 11:07:43.2±2.7, 40.87'N-78.38'E, h9.4km, mb4.1, mpv3.8, Error ellipse: s-maj=20.6km s-min=19.4km az=25.0, ISC 13 11:07:39.5±1.6, 40.64'N-0.05:78.32E±0.06, h12km±1.0km, n55, e149/78, 13C-19D, Southern Xinjiang

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TARG, KDJ, KDJ, PRZ, PRZ, NRN, NRN, KSH, KSH, KSH, etc.

HEL 13 11:04:25.6±0.1, 62.28'N-25.84'E, h0km, ML1.1, Explosion, Finland

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Kangasniemi, Sumainen, etc.





Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ARLS, TNSS, IZV, UCH, TKM2, KBK, KST, MDOK, MTBS, AAA, KOTS, SATY, SFK, AAK, DGS, CHMS, UZB, KURS, KTBS, EKS2, USP, CHKK, HWA, PDGK, KUU, and MRKS.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like MRKS, ARXS, MNAS, DJR, KAPS, KK31, DRK, BTK, SFK, ARK, IUG, AML, MNAS, UCH, EKS2, KK31, KZA, AAK, TKM2, KST, DGS, EKS2, CHKK, HWA, ENLB, TWD, NACB, ESL, and ETLH.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ETLH, EGFH, WHF, OWD, CHGB, ENA, NANS, VWDT, NNSB, NNS, HGS, EHY, SSLB, SSDL, NDT, YULB, SMLT, ENTT, WHP, TWFI, YHNB, WHYT, TWE, TWE, NWLT, NSTT, LIOB, ELDTW, STYT, SLGT, TWG, TWG, WTP, TPUB, SGST, TWFI, YULB, ALS, CHN4, CHN1, CHN1, CHN1, CHN5, CHN5, ECL, WHYT, MASBT, and MOS.

SOME 13 11:28:27.0,39:38N,71:10E,h0km
KRNET 13 11:28:36.5,0,1,39:32N,71:71E,mb2.9
NNC 13 11:28:38.6,1.6,39:54N,71:67E,h0km,mb3.5,mpv3.2,
Error ellipse: s-maj=12.7km s-min=6.3km az=24.0
ISC 13 11:28:38.6,1.6,39:48N,0.10,71:71E,0.05,h4km,11km,
n22,c224/34,20C-9D,Tajikistan

TAP 13 11:28:53.5,23:98N,121:60E,h8km,ML1.8,2C-1D,B,

TAP 13 11:29:00.7,23:14N,120:97E,h9km,11km,ML1.4,3C,B,

MOS 13 11:37:58.6,1.7,41:19N,73:00E,h33km,mb4.1/3,Error
ellipse: s-maj=12.7km s-min=7.5km az=84.3,
MOS Felt (III) at Oogon-Talaa, Charbak; (II-III) at Ushbulak,
Kyzyl-Unkur.
IDC 13 11:37:59.8,1.3,41:10N,73:27E,h0km,mb3.7/1,
mb1 3.8/4,mb1mx3.3/4,mbtimp3.6/4,ML3.0/3,Error
ellipse: s-maj=22.8km s-min=13.4km az=116.0
NNC 13 11:38:01.9,0.4,41:29N,73:10E,h0km,mb4.2,mpv4.0,

13d 11h

Error ellipse: s-maj=4.1km s-min=2.2km az=78.0
SOME 13 11:38:02.4, 41.30N, 73.15E, h10km
KRNET 13 11:38:03.4, 0.1, 41.29N, 73.17E, h17km, mb3.7
ISC 13 11:38:02.1, 0.8, 41.28N, 0.02, 73.11E, 0.02, h15km, 5km,
n97, s195/136, mb3.7/3, 34C-25D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like ARSB Arslanbob, AML Almayashu, ARK Arkit, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like KK31 Karatay Array, KST Kastek, DGS Degeres, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like ARU Arti, GTA Gaotai, GNI Gami, etc.

WEL 13 11:42:37.2, 40.3S, 0.6, 176.5E, 0.9, h16km, 1km, ML3.5/12, North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like PRHZ Porangahau, ANWZ Angora Road, DVHZ Dannevirke, etc.

IDC 13 11:48:47.8, 1.7, 153.15S, 173.50W, h0km, mb3.8/5, mb1.4/2.5, mb1mx3.8/28, mbtmp3.8/5, Error ellipse: s-maj=138.7km s-min=20.5km az=150.0, Tonga Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like H11S2 WAKE ISLAND, H11S3 WAKE ISLAND, STKA Stephens Creek, etc.





Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like COLA College, RIDG Indep'de Rid, ILAR Eielson Array, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like PSUT Pine Spring, INK Inuvik, DGZ Jazzator, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Direction, and other parameters. Includes stations like CLL, GOPE, PRU, KHC, KEST, etc.





Table with columns: RPZ, ILAR, MKAR, NNC, Code, Station Name, Az, Phase, ID, Time, Res, ISC. Includes data for stations like Eielson Array, Karatay Array, and various Kuril Islands stations.

Station information and coordinates for Kuril Islands, including station names like Kuril'sk, Petropavlovsk, and Shikotan, along with their respective coordinates and operational details.

Main table listing station data for Kuril Islands, including station names, coordinates, phases, and operational status. Includes stations like Kuril'sk, Petropavlovsk, Shikotan, and various other island stations.

Table listing station data for East of Kuril Islands, including station names like Severo-Kuril's, Alaid, and various other stations in the region.

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Table listing station data for East of Kuril Islands, including station names like Severo-Kuril's, Alaid, and various other stations in the region.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like CM01 Chiang Mai Arr, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, etc.

13d 15:02:06.5, 1.5, 33.91N-88.24E, h0km, mb3.4/5, mb1 3.3/6, mb1mx3.3/40, mbtmp3.3/8, ML2.7/3, MS3.0/5, Ms1 3.0/5, ms1mx2.7/39, Error ellipse: s-maj=60.4km s-min=19.6km az=65.0

IS/CJB 13 15:02:09.0, 0.6, 34.05N-101.05E, h0km, mb3.2/4, MS3.3/2, Error ellipse: s-maj=17.6km s-min=6.7km az=8.9

IS 13 15:02:11.8, 0.9, 34.07N-100.88E, h0km, n20, c0911/16, mb3.3/4, Xizang

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like GUN Gumba, JIRN Jiri, DANN Dangsing, etc.

13d 15:09:33.1, 1.6, 11.12S-165.36E, h0km, mb3.6/4, mb1 3.3/6, mb1mx3.6/32, mbtmp3.6/6, ML4.0/2, MS2.8/1, Ms1 2.9/1, ms1mx2.9/1, Error ellipse: s-maj=40.0km s-min=29.4km az=128.0

IS/CJB 13 15:09:36.0, 1.2, 11.35S-165.3E, h0km, mb3.6/4, Error ellipse: s-maj=22.6km s-min=11.8km az=35.4

IS 13 15:09:37.7, 1.3, 11.25S-165.4E, h0km, n6

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, HNR Honiara, DZM Mont Dzumac, etc.

13d 15:30:21.9, 8.4, 171.05S-173.75W, h0km, mb3.6/3, mb1 3.3/3, mb1mx3.5/32, mbtmp3.6/3, Error ellipse: s-maj=364.6km s-min=39.3km az=141.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

13d 15:30:46.1, 2.1, 5.51S-130.15E, h149km, 25km, mb3.2/2, mb1 3.3/6, mb1mx3.1/32, mbtmp3.7/6, Error ellipse: s-maj=38.0km s-min=18.9km az=90.0

DJA 13 15:30:58.4, 0.5, 5.3S-131.1E, h63km, 11km, M4.0/8, mb4.0/1, mb4.8/1, MLV4.18, MW(mB)4.0/1

IS 13 15:30:41.5, 0.8, 5.71S-130.79E, h150km, n13, c589/19, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BNDI Bandanaira, SAUI Saumlaki, FAKI Fak Fak, etc.

13d 15:44:59.6, 48.0, 16.40S-176.98W, h0km, mb4.3/3, mb1 4.5/3, mb1mx3.7/33, mbtmp4.3/3, Error ellipse: s-maj=895.8km s-min=152.4km az=78.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

13d 15:46:08.1, 5.0, 3.14S-151.53E, h0km, mb3.1/3, mb1 3.3/3, mb1mx3.1/41, mbtmp3.1/3, Error ellipse: s-maj=13.0km s-min=3.7km az=103.0, New Ireland region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

BUI 13 15:55:35.2, 10.84S-164.90E, h14km, mb5.2/34, mb4.6/51, MS4.9/18, MS7.4/6/12

13d 15:55:37.0, 0.6, 10.81S-164.47E, h0km, mb4.5/23, mb1 4.6/26, mb1mx4.6/36, mbtmp4.5/26, ML4.8/3, MS4.2/22, Ms1 4.2/22, ms1mx4.0/39, Error ellipse: s-maj=18.6km s-min=14.1km az=104.0

NEIC 13 15:55:38.5, 0.2, 10.76S-164.38E, h10km, mb5.0/47, Error ellipse: s-maj=5.7km s-min=4.5km az=110.0

IS/CJB 13 15:55:39.5, 0.2, 10.85S-164.35E, h0km, h29km, mb4.8/85, MS4.3/24, Error ellipse: s-maj=5.5km s-min=5.2km az=2.0

MOS 13 15:55:39.4, 1.1, 10.74S-164.36E, h27km, mb5.0/30, MS4.0/12, Error ellipse: s-maj=10.2km s-min=7.5km az=123.0

GCMT 13 15:55:40.5, 0.2, 10.86S-164.44E, h0km, h12km, MW5.0/83, Moment Tensor Solution. s39,c44; s83,c123; Duration: 0 Moment tensor: Scale 10^18Nm; Mr:2.91±.11; Mw:0.42±.10; Ms:2.49±.09; Ms1:2.27±.35; Ms2:2.34±.08; Mw-1.24±.29; Best double couple: M3.90300x10^16 NP1:38.00000, 659.00000, 1.80.00000; NP2: 6.38.00000, 633.00000, 1.07.00000; Principal axes: P: -3.820, Pg74.0000; Azm1:0.0000; N: 1.0410; Pg9.0000; Azm144.0000; P: 4.4250; Pg13.0000; Azm236.0000; P: 4.4250 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IS 13 15:55:41.4, 0.3, 10.81S-164.42E, h0km, n181, c1849/172, mb4.9/85, MS4.4/25, 1C-2D, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PINNC Pines Island, FUNA Funafuti, TARA Tarawa, etc.



Table with columns: Station Name, Frequency, Band, Mode, SNR, and other parameters. Includes stations like HORN, JBK, EADA, ECAB, etc.

Table with columns: Station Name, Frequency, Band, Mode, SNR, and other parameters. Includes stations like PCAS, MVO, PVRL, POLO, etc.

Table with columns: Station Name, Frequency, Band, Mode, SNR, and other parameters. Includes stations like DBOC, ARXK, CHOM, etc.











13d 18h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, and other technical details for various stations.

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Main table containing station data for February 2013, including station names, coordinates, and technical parameters.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, Power, SNR, and other technical details for various stations.



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SGL Mount Signal, COA Coachella, YUH Yuha Desert, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MAN 13 19:25:30.9, BIPH Bistion, etc.

IDC 13 19:30:47.8, 1.7, 11.33S, 164.87E, h0km, mb3.5/4, mb1 3.8/6, mb1mx3.5/38, mbtmp3.7/6, ML3.9/2, MS2.4/1, Ms1 2.4/1, ms1mx2.3/24, Error ellipse: s-maj=39.5km s-min=31.7km az=122.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, H11S2 WAKE ISLAND Hy 29.79, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, H11S2 WAKE ISLAND Hy 29.85, etc.

NIED 13 19:37:00, 37.10N, 142.00E, h29km, Mw3.6 Best double couple: M2.67000x1014 NP1.3x245.00000, 827.00000, 1.131.00000, NP2.2x21.00000, 870.00000, 871.00000

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JFK Kawauchi, ONAJ Iwakimizuishiy, JFFD Fukushimafurud, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JHU 13nm, 0.3s, ASAJ Anasikawa, ASAJ 0.7nm, 0.3s, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

NIED 13 19:52:00, 37.80N, 143.70E, h5km, Mw4.3 Best double couple: M3.60000x1015 NP1.3x360.00000, 818.00000, 1.105.00000, NP2.4x196.00000, 873.00000, 1.85.00000

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIO Ouri, JKMT Kesennumototy, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JIKH Ishinomakikobu, JIO Ouri, JKMT Kesennumototy, etc.

NIED 13 19:37:42, 1.1, 3.37, 15N, 142.16E, h0km, mb3.7/7, mb1 3.8/11, mb1mx3.6/38, mbtmp3.7/11, ML3.3/4, MS2.5/2, Ms1 2.5/2, ms1mx2.2/46, Error ellipse: s-maj=30.5km s-min=19.4km az=107.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MAJO Matushiro, MAJO Matushiro, MAJO Matushiro, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KUR comp=E, 11nm, 0.2s, KUR comp=E, 100nm, 0.4s, KUR comp=N, 84nm, 0.3s, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KSR501 Wonju Array Si, KS15 Wonju Array Se, KSAR Wonju Array Be, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PETK Nikolayevsk, PETK Petropavlovsk, ZEA Zeya, etc.

NIED 13 19:37:00, 37.10N, 142.00E, h29km, Mw3.6 Best double couple: M2.67000x1014 NP1.3x245.00000, 827.00000, 1.131.00000, NP2.2x21.00000, 870.00000, 871.00000

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HHC HHC, HHC HHC, HHC HHC, etc.









13d 21h

Table with columns for flight codes (e.g., H11S1, CAN, CNB), destinations (e.g., WAKE ISLAND, Canberra, Canberra), times, and status indicators (e.g., T, P, eP, pmax).

2013 FEB

Table with columns for flight codes (e.g., KMI, CMAR, CMAR, CMAR), destinations (e.g., Chiang Mai Arr, Chiang Mai Arr, Chiang Mai Arr), times, and status indicators (e.g., sP, pP, S, S, S).

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Table with columns for flight codes (e.g., HIA, HIA, HIA, HIA), destinations (e.g., Hailar, Hailar, Hailar, Hailar), times, and status indicators (e.g., eP, P, eP, P).

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like KSH Kashi, NLR Naryn, and many others.

Table with columns: Call sign, Frequency, Mode, Power, Azimuth, Elevation, Azimuth Error, Elevation Error, and other parameters. Includes stations like BBB Bella Bella, RAYN Ar Rayn, and many others.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like IDC 13 21:39:59.0, JIKH Ishinomakikobu, and many others.

MAN 13 21:39:37.2, 16:42N:120:86E, h48km, mb4.2, ML3.1, MS2.8, Luzon



Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PFO Pinyon Flats O, PFO Pion Flat, PFO Pink Cliffs, etc.

CNRM 13 22:34:01.4, 36.42N; 7.71W, h30km, ml2.5
MDD 13 22:34:05.0, 9.36S; 66N; 7.63W, h26km, 10km, mblg2.5/16,
Error ellipse: s-maj=4.4km s-min=3.5km az=29.0, PFXIMO
IGIL 13 22:34:05.1, 36.52N; 7.65W, h22km, ML2.1
INMG 13 22:34:06.0, 1.8, 36.55N; 7.65W, h27km, ML2.3, Error
ellipse: s-maj=4.1km s-min=4.1km az=45.0
ISC 13 22:34:00.6, 1.2, 36.47N; 0.03; 7.61W; 0.03, h16km, gkm,
n85, e1586/168, 1C-8D, Strait of Gibraltar

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like BBDV Barranco-do-Ve, PVAQ Vaqueiros, PVAQ Vaqueiros, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like EMIJ Mijas, CHEFC Chefechuan, HORN Hornachuelos, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PGAV Gaviiera, Arco, PGAV Gaviiera, Arco, etc.

IDC 13 22:38:39.1, 1.0, 17.13S; 175.12W, h0km, mb4.1/7,
mb1 4.4/7, mb1mx4.1/23, mbmtmp4.2/7, MS4.4/1, Ms1 4.4/1,
ms1mx2.8/33, Error ellipse: s-maj=48.3km
s-min=19.8km az=138.0, Tonga Islands

IDC 13 22:53:05.8, 4.5, 25.41N; 124.94E, h88km, 44km, mb3.0/3,
mb1 3.2/3, mb1mx3.0/43, mbmtmp3.3/3, Error ellipse:
s-maj=36.2km s-min=25.9km az=69.0
ISCJB 13 22:53:06.0, 2.0, 6.25, 42N; 0.10; 124.94E; 0.08,
h106km, 7km, mb3.1/3, Error ellipse: s-maj=18.9km
s-min=5.7km az=146.6

JMA 13 22:53:07.0, 1.0, 25.45N; 124.88E, h93km, 4km, M3.2
ISC 13 22:53:07.0, 1.0, 25.44N; 0.1, 124.92E; 0.08, h101km, 11km,
n15, e0556/26, mb3.1/3, Northeast of Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JIKM Ikemajima, JIRB Irabujima, JIMJ Miyako jima 2, etc.

JMA 13 22:56:22.9, 0.0, 3.36N; 96N; 135.30E, h364km, 4km, M2.9
ISCJB 13 22:56:23.0, 5.0, 37.06N; 0.07; 135.32E; 0.09, h350km,
mb2.8/2, Error ellipse: s-maj=10.4km s-min=8.8km
az=139.2

IDC 13 22:56:23.3, 1.5, 36.99N; 135.40E, h369km, 28km, mb2.6/2,
JFT 13 22:56:23.6, 1.5, 36.99N; 135.40E, h369km, 28km, mb2.6/2,
s-maj=5.1km s-min=18.9km az=65.0
ISC 13 22:56:23.0, 0.9, 36.99N; 0.09; 135.34E; 0.08, h350km, n23,
e1541/25, Sea of Japan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JKG Kaga, JKY Ashikawa, JKS Kasumi, etc.

IDC 13 22:56:39.4, 1.1, 11.03S; 166.21E, h0km, mb3.8/4,
mb1 0.4/4, mb1mx3.5/40, mbmtmp3.5/6, Error ellipse:
s-maj=81.1km s-min=10.1km az=139.0, Santa Cruz
Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

KRNET 13 22:56:60.0, 0.1, 42.41N; 78.72E, h35km, mb1.8
SOME 13 22:57:01.0, 42.52N; 78.52E, h15km
NNC 13 22:57:01.0, 1.0, 9.42S; 57N; 78.53E, h0km, mb2.2, mpv2.5,
Error ellipse: s-maj=7.1km s-min=3.0km az=169.0
ISC 13 22:57:01.7, 1.0, 42.52N; 0.03; 78.50E; 0.03, h24km, 7km,
n30, e1813/57, 12C-5D, Lake Issyk-Kul, Kirgiz









Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, CTM Charters Tower, etc.

ISC/JB 14 00:00:12.9,0.4,24.40N,0.03,122.83E,0.02,h66km,5km, Error ellipse: s-maj=4.4km s-min=2.7km az=0.7

JMA 14 00:00:12.7,0.1,24.43N,122.84E,h70km,1km,M2.4

TAP 14 00:00:13.2,24.39N,122.80E,h63km,1km,ML2.9,C

ISC 14 00:00:13.2,1.3,24.41N,0.04,122.84E,0.02,h66km,7km, n66, r0989/17, Taiwan region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like JYNG Yonagunijimaku, YOJ Yonaguni jima, YOJ Yonaguni jima, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like YM05 baz=304, YM04 baz=300, YM04 baz=303, etc.

ISC 14 00:00:18.8,2.5,23.84S,69.94E,h0km,mb3.8/7, mb1 3.9/7, mb1mx3.7/36, mbtmp3.8/7, MS3.7/4, Ms1 3.5/4, ms1mx2.9/47, Error ellipse: s-maj=78.2km s-min=27.4km az=46.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like MAW Mawson, CMAR Chiang Mai Arr, ASAR Alice Springs, etc.

ISC 14 00:14:42.9,0.9,35.43N,28.49E,h0km,mb3.7/1, mb1 3.8/20, mb1mx3.7/50, mbtmp3.7/20, ML3.3/9, MS2.7/2, Ms1 2.7/2, ms1mx2.2/48, Error ellipse: s-maj=18.3km s-min=12.3km az=1.0

ISC 14 00:14:45.4,35.33N,28.56E,h16km,ML3.7/38

DDA 14 00:14:47.7,35.52N,28.47E,h24km,1km,ML3.7

HLW 14 00:14:48.5,35.27N,28.60E,h18km,26km,Ms3.8,MI4.2

ATH 14 00:14:48.5,35.48N,28.46E,h69km,6km,ML3.3/3, Error ellipse: s-maj=6.5km s-min=4.4km az=350.0

NIC 14 00:14:49.0,1.3,35.49N,28.67E,h25km,mb4.1,ML3.7

GII 14 00:14:49.0,0.3,35.21N,28.73E,h30km,MD3.2/1

THE 14 00:14:50.7,35.49N,28.50E,h29km,14km,ML3.3/5, Error ellipse: s-maj=14.9km s-min=0.5km az=111.0

ISC 14 00:14:47.4,1.2,35.36N,0.03,28.56E,0.02,h32km,9km, n129, r1937/157, mb3.6/11, Eastern Mediterranean Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Includes stations like ARG Arkhangelos, ARG Arkhangelos, ARG Arkhangelos, etc.

14d Oh

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IMMV, TEKE, MAMC, BERE, CSS, etc.

2013 FEB

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CTAO, COEN, ARMA, JAY, URZ, etc.

1102

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ZEA, ZEA, ZEA, LZH, etc.

ISCJB 14 00:16:18.9±2.5, 11°09S:0°04:164.75E±0.04, h4km±15km, mb4.7/71, MS3.9/17, Error ellipse: s-maj=7.9km s-min=6.6km az=40.2

IDC 14 00:16:19.7±0.6, 11°07S:164.82E, h0km, mb4.6/15, mb1 4.7/18, mb1mx4.6/34, mbmp4.6/18, ML4.8/3, MS3.8/15, Ms1 3.8/15, ms1mx3.7/30, Error ellipse: s-maj=20.0km s-min=14.9km az=113.0

BUI 14 00:16:20.1, 10.94S:165.11E, h12km, mb4.7/48, mb5.2/28, Ms4.9/7, Ms7.4/6

MOS 14 00:16:23.6±1.1, 11°05S:164.71E, h34km, mb5.0/23, Error ellipse: s-maj=10.9km s-min=9.9km az=125.0

GCMT 14 00:16:24.0±0.3, 11°16S:0°04:164.59E±0.03, h173km, 1km, MW4.8/64, Moment Tensor Solution. s25.c29; s64.c83; Duration: 0 Moment tensor: Scale 10^10Nm; Mr-2.19±.14; Mw0.52±.09; Mw1.67±.10; Mw0.08±.35; Mw0.24±.06; Mw0.54±.25; Best double couple: Mo:0.20900±.016 NP1:0.191,00000°,δ37.00000°,λ-91.00000°. NP2: 0.120000°,δ37.00000°,λ-89.00000°. Principal axes: T 1.7930, P1g8.0000°, Azm281.0000°; N 0.4770, P1g0.0000°, Azm19.0000°; P -2.2660, P1g82.0000°, Azm98.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 14 00:16:24.2±0.2, 11°07S:164.80E, h29km±14km, mb4.8/41 Error ellipse: s-maj=6.5km s-min=5.6km az=229.0

ISC 14 00:16:21.8±2.2, 11°10S:0°06:164.84E±0.06, h13km±12km, n161, 01923/156, mb4.8/71, MS3.8/17, 6.Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR, HNR, HNR, etc.

Table with columns: SDV, GEC2, GERES, KEST, ES19, ESDC, TOAD, TORD, TOA1. Includes station names like Santo Domingo, GERRSS Array B, Kesra, SONSCEA Array, etc.

NIED 14 00:29:00.36:40N,13:40E,h5km,Mw4.0 Best double couple: M=9.79000,1014 NP1=30.00000, 822.00000, lambda=85.00000, NP2=205.00000, 668.00000, lambda=92.00000

IDC 14 00:29:37.8:0.6,36:22N,143:59E,h0km,mb3.8/15, mb1.4/0.20,mb1mx4.0/37,mbmp3.9/20,ML3.6/4,MS2.9/4, Ms1.2/9.4,ms1mx2.6/43, Error ellipse: s-maj=18.5km s-min=15.4km az=115.0

NEIC 14 00:29:39.0:0.3,36:23N,143:61E,h10km,mb4.1/2, Error ellipse: s-maj=6.9km s-min=6.0km az=124.0

ISCJB 14 00:29:41.1:0.4,36:32N,143:03:143:37E,0.03,h33km, mb3.8/16, Error ellipse: s-maj=4.5km s-min=3.7km az=167.1

JMA 14 00:29:42.7:0.2,36:38N,143:26E,h89km,M3.8 ISC 14 00:29:43.2:0.6,36:34N,143:43E,0.06,h53km,m57, c=188B/11,mb3.8/16, Off east coast of Honshu

Main station list table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CHQJ, CHQJ, ONAJ, ONAJ, etc.

MEX 14 00:33:10.3:0.5,16:49N,98:55W,h10km,gkm,MD3.6, Near coast of Guerrero

Table with columns: PNIG, PNIG. Station names: Pinotefe, Pinotefe.

Table with columns: VHO, Vista Hermosa. Station name: Vista Hermosa.

ISCJB 14 00:37:26.3:0.3,45:65N,10:06:143:33E,0:09, h335km,4km,mb3.2/12, Error ellipse: s-maj=10.4km s-min=9.2km az=6.5

JMA 14 00:37:27.0:0.3,45:64N,143:28E,h333km,2km,M3.1 IDC 14 00:37:27.1:0.5,45:76N,143:24E,h322km,6km,mb3.0/12, mb1.3/2.17,mb1mx3.1/61,mbmp3.8/17, Error ellipse: s-maj=13.9km s-min=11.1km az=133.0

ISC 14 00:38:27.1:0.6,38:52N,107:143:36E,0:07,h332km,6km, mb3.8/16,mb3.3/12, Hokkaido region

Main station list table for the second section with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JSE, JWK2, ASAJ, ASAJ, etc.

IDC 14 00:49:41.9:1.7,11:03S,164:65E,h0km,mb3.6/3, mb1.4/0.4,mb1mx3.6/42,mbmp3.7/4,ML3.5/1,MS3.1/2, Ms1.3/1.2,ms1mx2.8/30, Error ellipse: s-maj=50.9km s-min=31.0km az=129.0, Santa Cruz Islands region

Main station list table for the third section with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like HNR, DZM, WRA, ASAR, etc.

NIED 14 00:54:00.38:50N,141:70E,h71km,Mw3.7 Best double couple: M=4.30000,1014 NP1=177.00000, 319.00000, lambda=78.00000, NP2=11.00000, 871.00000, lambda=94.00000

IDC 14 00:54:25.2:1.3,38:77N,142:67E,h0km,mb3.6/4, mb1.3/7.7,mb1mx3.5/42,mbmp3.7/7,ML2.4/2, Error ellipse: s-maj=45.5km s-min=23.0km az=76.0

ISCJB 14 00:54:54.7:0.8,38:52N,103:141:76E,0:09,h58km,4km, mb3.4/4, Error ellipse: s-maj=11.7km s-min=5.3km az=8.9

JMA 14 00:54:55.9:1.1,38:54N,141:72E,h53km,1km,M3.7 JMA Fell II J1

ISC 14 00:54:55.3:1.2,38:53N,104:141:81E,0:09,h50km,7km, h27u,r1916/33,mb3.7/14, Near east coast of eastern Honshu

Main station list table for the fourth section with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like JIKH, JIKH, JIKH, etc.

Table with columns: H1S1, WAKE ISLAND HY 29.44 126 T T 01 32 02.0, H1S5, WAKE ISLAND HY 29.45 126 T T 01 32 02.3, H1S2, WAKE ISLAND HY 29.46 126 T T 01 32 02.7, ZALV, Zalesovo Beam 41.15 311 P P 01 02 33.4 -1.0, MKAR, Makanchi Arr 43.60 301 P P 01 02 53.9 -0.7, WRA, Warramunga Arr 58.59 188 P P 01 04 46.0 -1.0

IDC 14 01:07:48.3:0.6,15:57N,147:38E,h0km,mb4.1/22, mb1.4/0.23,mb1mx4.2/39,mbmp4.1/23,ML3.9/1,MS3.4/9, Ms1.3/4.9,ms1mx3.1/34, Error ellipse: s-maj=19.8km s-min=12.4km az=103.0

ISCJB 14 01:07:51.0:0.3,15:56N,104:147:44E,0:05,h29km, mb4.4/64,MS3.4/9, Error ellipse: s-maj=8.2km s-min=5.6km az=30.7

MOS 14 01:07:50.9:0.9,15:58N,147:42E,h29km,mb4.6/25, Error ellipse: s-maj=12.6km s-min=7.2km az=115.6

NEIC 14 01:07:52.0:3.3,15:53N,147:41E,h26km,23km,mb4.7/27, Error ellipse: s-maj=9.9km s-min=6.8km az=89.0

ISC 14 01:07:52.2:0.1,15:54N,106:147:46E,0:07,h29km,n121, c=134/112,mb4.4/64,MS3.5/9,7C,Mariana Islands region

Main station list table for the fifth section with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like ANA2, ANA2, GUMO, GUMO, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MK31 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MKAR Makanchi Array, MKAR Warramunga Arr, WRA Warramunga Arr, etc.

ISC 14 01:24:46.2, 38.41N, 42.96E, h22km, ML1.9/4
ISCJB 14 01:24:47.0, 0.6, 38.45N, 0.04, 42.97E, 0.05, h132km, 6km,
Error ellipse: s-maj=7.8km s-min=5.6km az=136.6
DDA 14 01:24:47.5, 38.48N, 42.98E, h7km, 2km, ML2.5
ISC 14 01:24:47.2, 1.2, 38.46N, 0.03, 42.99E, 0.04, h13km, 10km,
n12, c090/18, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AKDM Akdamar-Van, AKDM Geva, AKDM Geva, etc.

ISC 14 01:42:18.5, 2.3, 37.12N, 75.80E, h0km, mb3.4/3,
mb1.3/4.5, mb1mx3.2/39, mbtmp3.4/5, ML2.9/2, Error
ellipse: s-maj=58.4km s-min=26.8km az=149.0
ISCJB 14 01:42:30.4, 0.5, 37.48N, 0.06, 76.0E, 0.1, h105km,
mb3.3/3, Error ellipse: s-maj=15.4km s-min=4.6km
az=148.8
NNC 14 01:42:34.4, 5.7, 37.78N, 75.66E, h0km, mb3.4, mpv3.0,
Error ellipse: s-maj=12.5km s-min=4.5km az=62.0
ISC 14 01:42:31.5, 0.9, 37.44N, 0.09, 75.9E, 0.1, h105km, n16,
c157/20, mb3.2/3, 4C-4D, Tajikistan-Xinjiang border
region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SFK Sufti-Kurgan, SFK Sufti-Kurgan, AAK Ala-Archa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like UKR Ust-Kan, UKR Ust-Kan, ELT Eitsova, etc.

ISC 14 01:58:02.7, 14.0, 2.45N, 128.12E, h250km, 158km,
mb2.9/6, mb1.3/0.6, mb1mx2.8/44, mbtmp3.6/6, MS3.3/1,
Ms1.3/3.1, ms1mx2.4/11, Error ellipse: s-maj=78.9km
s-min=27.5km az=62.0, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, WRA Warramunga Arr, etc.

NEIC 14 01:59:12.3, 0.5, 53.77N, 166.18W, h77km, ML3.5(AEIC),
After AEIC-, Fox Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like UNV Unalaska Valle, UNV Unalaska Valle, AKMO Akutan Morgan, etc.

ISCJB 14 01:22:36.8, 0.5, 28.4N, 0.1, 139.9E, 0.1, h450km,
mb3.3/14, Error ellipse: s-maj=21.27km s-min=8.2km
az=140.5
ISC 14 01:22:36.7, 0.8, 28.54N, 139.57E, h419km, 8km, mb3.1/14,
mb1.3/17, mb1mx3.1/42, mbtmp3.8/17, Error ellipse:
s-maj=19.5km s-min=13.5km az=69.0
JMA 14 01:22:37.9, 0.2, 28.82N, 140.19E, h435km, M3.7
ISC 14 01:22:38.5, 0.6, 28.64N, 139.99E, 0.1, h450km, n21,
c244/28, mb3.3/14, Bonin Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CBJJ Chichi jima, CBJJ Chichi jima, CJC Chichijima, etc.

ISC 14 01:51:11.7, 0.8, 49.43N, 94.43E, h0km, mb3.6/11,
mb1.3/8.16, mb1mx3.6/61, mbtmp3.6/16, ML3.2/5, Error
ellipse: s-maj=20.1km s-min=9.2km az=178.0
ISCJB 14 01:51:12.9, 0.5, 49.58N, 0.04, 94.19E, 0.05, h10km,
mb3.6/12, Error ellipse: s-maj=6.2km s-min=4.9km
az=168.6
MOS 14 01:51:12.5, 1.5, 49.35N, 94.39E, h17km, mb4.0/5, Error
ellipse: s-maj=12.0km s-min=9.2km az=24.9
ASRS 14 01:51:13.6, 1.5, 49.51N, 94.31E, h15km, Ms3.6/2
NNC 14 01:51:19.4, 4.8, 49.65N, 93.92E, h0km, mb3.9, mpv3.5,
Error ellipse: s-maj=56.7km s-min=37.3km az=156.0
ISC 14 01:51:13.0, 0.6, 49.50N, 0.05, 94.29E, 0.04, h10km, n50,
c271/56, mb3.7/12, 6C-4D, Tuva-Buryatia-Mongolia
border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KZLR Kyzyl, KZLR Kyzyl, KZLR Kyzyl, etc.

IDC 14 02:01:35.2±0.52°27N:171.04W, h0km, mb3.6/6,  
 mb1.3/9, mb1mx3.6/57, mbtmp3.7/9, ML3.1/3, Error  
 ellipse: s-maj=45.5km s-min=28.1km az=176.0  
 ISCJB 14 02:01:38.3±0.51°29N:0.1°171.09W, h2km, h2km,  
 mb3.5/6, Error ellipse: s-maj=20.4km s-min=4.0km  
 az=164.7  
 NEIC 14 02:01:38.8±0.52°10N:171.18W, h24km, ML3.2(AEIC),  
 After AEIC.  
 ISC 14 02:01:40.1±1.52°1N:0.2°171.15W, h0.07, h42km, n23,  
 r1523/24, mb3.5/6, Fox Islands

Code	Station Name	Δ° AZ°	Op	Phase ID	ISC	Time	Res
						h m s	ISC
KOPF	Korovin Flat P	1.83 278	P	Pn	02 02 08.5	-0.5	
OKSP	Okmok Steeple	2.11 54	P	Pn	02 02 12.3	-0.6	
OKWR	Okmok West Rim	2.26 51	P	Pn	02 02 15.2	+0.3	
GSMT	Great Sitkin M	3.03 272	P	Pn	02 02 25.7	+0.2	
GSTD	Great Sitkin T	3.08 272	P	Pn	02 02 26.2	-0.1	
GSTD			S	Sn	02 03 03.9	+2.0	
MREP	Makushin Rep't	3.19 55	P	Pn	02 02 28.7	+1.0	
MSW	Makushin Switc	3.23 53	P	Pn	02 02 28.8	+0.6	
MSW			S	Sn	02 03 07.9	+2.6	
ETKA	Kagalaska Isla	3.28 66	P	Pn	02 02 25.7	+0.2	
UNV	Unalaska Valle	3.33 56	P	Pn	02 02 29.7	+0.2	
UNV			S	Sn	02 03 10.2	+2.3	
ADAG	Mount Adagadak	3.37 271	P	Pn	02 02 31.0	+0.9	
ADK	Adak	3.43 269	P	Pn	02 02 30.9	0.0	
ADK			S	Sn	02 03 12.0	+1.7	
KDAK	Kodiak Island	12.10 54	Pn	Pn	02 04 27.8	-1.8	
ILAR	Eielson Array	17.83 35	P	Pn	02 05 43.5	-1.1	
PETK	Petrovavlovsk-	18.89 286	P	Pn	02 05 56.7	-0.9	
DLBC	Dease Lake	23.98 58	P	P	02 06 50.4	0.0	
INK	Inuvik	24.21 34	P	P	02 06 50.5	-1.8	
YKA	Yellowknife Ar	31 48	P	P	02 07 55.0	-0.4	
NEW	Newport	34.15 74	P	P	02 08 21.2	+0.4	
H1N2	WAKE ISLAND Hy	36.54 216	T	T	02 47 11.2		
H1N3	WAKE ISLAND Hy	36.55 216	T	T	02 47 14.7		
H1N1	WAKE ISLAND Hy	36.56 216	T	T	02 47 15.5		
PDAR	Pinedale Array	41.54 78	P	P	02 09 24.0	+0.6	
TXAR	Lajitas Array	53.85 87	P	P	02 10 58.6	-0.2	

JMA 14 02:07:33.7±0.3, 46°74N:141.79E, h40km, M2.5  
 SKHL 14 02:07:34.4±0.6, 46°50N:141.91E, h10km, mb3.3/1  
 ISCJB 14 02:07:35.7±0.9, 46°55N:0.04°142.0E, 0.1, h14km, Error  
 ellipse: s-maj=13.5km s-min=4.6km az=11.4  
 ISC 14 02:07:38.8±1.4, 46°52N:0.05°141.9E, 0.1, h14km, n4,  
 r050/8, 1C, Sakhalin Island

Code	Station Name	Δ° AZ°	Op	Phase ID	ISC	Time	Res
						h m s	ISC
KHLM	Kholmok	0.44 10	ePg	Pn	02 07 46.1	+0.3	
KHLM			eSg	Sn	02 07 53.6	0.0	
YSS	Yuzh-Sakhalins	0.66 59	ePg	Pn	02 07 48.7	0.0	
YSS			AMB	AMB	02 07 49.9		
YSS			eSg	Sn	02 07 59.0	+0.2	
YSS			A	A	02 08 00.4		
JWK2	Keihoku	1.30 181	P	Pb	02 07 57.7	-0.4	
JWK2			eS	Sg	02 08 15.2	-0.6	
JSE	Soyaes	1.72 164	P	Pn	02 08 04.0	+0.7	
JSE			eS	Sn	02 08 25.4	+0.3	

DDA 14 02:10:35.8, 39°35N:27°37E, h7km, 3km, ML2.7  
 ISCJB 14 02:10:36.2±0.5, 39°33N:0.03°27.35E, 0.03, h6km, 5km,  
 Error ellipse: s-maj=4.8km s-min=3.9km az=22.3  
 ISK 14 02:10:36.0, 39°33N:27.35E, h10km, ML2.1, 1.7  
 ISC 14 02:10:36.0±1.1, 39°33N:0.03°27.35E, 0.03, h8km, 10km,  
 n17, r054/26, Turkey

Code	Station Name	Δ° AZ°	Op	Phase ID	ISC	Time	Res
						h m s	ISC
STEP	BALIKESIR_Sava	0.29 81	iP	Pg	02 10 41.3	-0.4	
STEP			iS	Sg	02 10 46.0	+0.5	
BALY	Balya	0.46 27	iP	Pg	02 10 44.1	-0.7	
AYVA	Ayvalik	0.51 268	iP	Pg	02 10 46.4	+0.5	
AYVA			iS	Sg	02 10 54.5	-0.3	
AKHS	Akhisar	0.58 141	iP	Pg	02 10 47.0	-0.1	
BAYC	CANAKKALE_Bayr	0.74 304	iP	Pb	02 10 51.0	-0.2	
BAYC			iS	Sn	02 11 03.7	-0.6	
GONE	Gonen-Balikesi	0.76 20	PG	Pb	02 10 51.7	+0.3	
GONE			SG	Sb	02 11 03.1	+1.2	
DURS	Dursunbey	0.91 72	iP	Pb	02 10 54.3	+0.3	
DURS			iS	Sg	02 11 05.6	+0.3	
EZN	Ezine	0.93 302	PG	Pb	02 10 54.9	+0.5	
KNL	Balikiesir	0.95 8	iP	Pg	02 10 53.3	-0.8	
KNL			iS	Sg	02 11 06.5	0.0	
BLCB	Balcova	0.98 194	PG	Pb	02 10 54.8	-0.3	
DEMI	Demirci	1.10 105	iP	Pn	02 10 57.6	-0.1	
DEMI			iS	Sn	02 11 13.8	+0.7	
BOZC	Bozcaada	1.13 297	PN	Pg	02 10 57.5	-0.1	
URLA	Izmir	1.14 212	PN	Pn	02 10 57.9	-0.3	
SIGR	SIGRI	1.17 265	PN	Pn	02 10 58.8	+0.2	
MANT	Manisa	1.26 131	iP	Pg	02 11 00.9	+0.7	
MANT			iS	Sb	02 11 16.4	-0.2	
KULA	Kula-Manisa	1.31 128	PN	Pb	02 11 00.6	-0.2	
AYDB	Zeytin koy-Aydi	1.45 163	PN	Pn	02 11 01.9	-0.6	

NIED 14 02:40:00.24±60N:122°60E, h56km, Mw3.9 Best double  
 couple: M7.13000°-1014 NPI30.00000°: 852.00000°:  
 140.00000°: NP230°-272.00000°: 859.00000°: 1.134.00000°:  
 BUJ 14 02:40:35.5, 24°68N, 122°76E, h20km, mb3.9/3, ML3.4/3  
 TAP 14 02:40:40.9, 24°70N, 122°59E, h91km, ML4.5, B  
 JMA 14 02:40:40.4±0.1, 24°61N:122°58E, h98km, 2km, M3.7  
 ISCJB 14 02:40:40.0±0.2, 24°72N:0.02°122.61E, 0.1, h98km, 2km,  
 mb3.3/6, Error ellipse: s-maj=2.8km s-min=2.0km  
 az=166.7  
 IDC 14 02:40:42.1±4.7, 24°91N:122°74E, h116km, 54km, mb3.1/6,  
 mb1.3/2.7, mb1mx3.0/42, mbtmp3.4/7, Error ellipse:  
 s-maj=37.5km s-min=16.2km az=58.0  
 ISC 14 02:40:40.4±0.8, 24°73N:0.03°122.50E, 0.02, h98km, 5km,  
 n148, r0689/267, mb3.3/6, 1C-1D, Taiwan region

Code	Station Name	Δ° AZ°	Op	Phase ID	ISC	Time	Res
						h m s	ISC
JYNG	Yonagunijimaku	0.42 132	P	Pn	02 40 55.3	-0.1	
JYNG			S	Sn	02 41 05.8	-0.8	
YOJ	Yonaguni jima	0.46 126	P	Pn	02 40 55.5	-0.1	
YOJ			S	Sn	02 41 06.8	-0.2	
YOJ			eS	Pn	02 40 55.5	-0.1	
YOJ			eS	Sn	02 41 06.5	-0.4	
EOS1	EOS1	0.47 247	P	Pn	02 40 56.0	+0.3	

EOS1	baz=249	S	Sn	02 41 07.3	+0.2	
EGS	baz=249	eP	Pn	02 40 55.1	-1.8	
TWB1	baz=283	P	Pn	02 40 56.7	-0.2	
TWB1	Santiao Chiao	eS	Sn	02 41 08.4	-0.9	
TWC	baz=299	P	Pn	02 40 57.4	-0.1	
TWC	Suao	eS	Sn	02 41 09.3	-1.2	
NTC	baz=261	P	Pn	02 40 58.0	+0.2	
NTC	Toucheng	eS	Sn	02 41 10.1	-0.6	
TIPB	baz=282	P	Pn	02 40 58.4	+0.3	
TIPB	Shuangxi	eP	Sn	02 41 10.8	-0.5	
ILA	baz=291	eP	Pn	02 40 58.3	0.0	
ILA	Ilan	eS	Sn	02 41 11.1	-0.7	
NWF	Wu-fen Shan	0.82 294	∩P	Pn	02 40 59.4	+0.5
NWF		eS	Sn	02 41 12.7	0.0	
WFBS	Wu-fen Shan	0.82 294	P	Pn	02 40 59.0	+0.3
WFBS		eS	Sn	02 41 12.5	-0.1	
NANB	Nanao	0.83 249	P	Pn	02 40 59.1	+0.2
NANB		S	Sn	02 41 12.4	-0.3	
ENA	Nanau	0.84 249	P	Pn	02 40 58.9	-0.1
ENA		eS	Sn	02 41 11.9	-1.0	
TWE	Neicheng	0.85 269	P	Pn	02 40 59.4	+0.3
TWE		eS	Sn	02 41 12.4	-0.7	
SLBB	Yuanshan	0.88 272	P	Pn	02 40 59.9	+0.5
SLBB		eS	Sn	02 41 13.3	-0.4	
ENTT	Nicoudou	0.95 265	eP	Pn	02 41 00.9	+0.8
ENTT		eS	Sn	02 41 14.5	-0.5	
TWA	baz=265	P	Pn	02 41 00.7	+0.4	
TWA	Muzha	eS	Sn	02 41 15.0	-0.1	
NDT	Datong Townshi	1.00 263	P	Pn	02 41 01.5	+0.8
NDT		eS	Sn	02 41 15.7	-0.2	
NWL1	Wulai	1.00 273	P	Pn	02 41 01.0	+0.3
NWL1		eS	Sn	02 41 15.9	-0.1	
NHHD	Xindian Distri	1.01 283	P	Pn	02 41 01.3	+0.6
NHHD		eS	Sn	02 41 16.2	+0.2	
PCYT	Pengchaiyu	1.01 332	P	Pn	02 41 01.6	+0.8
YMO1	YMO1	1.02 294	P	Pn	02 41 01.5	+0.5
YMO1		eS	Sn	02 41 16.5	+0.1	
YMO8	YMO8	1.03 296	eP	Pn	02 41 01.1	+0.2
YMO8		eS	Sn	02 41 16.8	+0.4	
YMO11	YMO11	1.03 295	P	Pn	02 41 01.5	+0.4
YMO11		eS	Sn	02 41 17.6	+0.9	
YMO5	YMO5	1.04 295	P	Pn	02 41 01.5	+0.4
YMO5		eS	Sn	02 41 17.0	+0.3	
TATO	Taipei	1.04 284	P	Pn	02 41 01.2	+0.1
TATO		eS	Sn	02 41 16.8	+0.1	
YMO4	YMO4	1.06 294	eP	Pn	02 41 02.0	+0.7
YMO4		eS	Sn	02 41 16.9	-0.1	
TWY	Chenhua	1.06 301	P	Pn	02 41 01.8	+0.5
TWY		eS	Sn	02 41 17.4	+0.4	
NACB	Ninganchiao	1.07 239	P	Pn	02 41 01.0	-0.5
NACB		eS	Sn	02 41 16.7	-0.6	
IRIF	Iriomote-Funau	1.10 111	P	Pn	02 41 01.7	-0.1
IRIF		S	Sn	02 41 18.0	+0.2	
YHNB	Yeheng	1.12 267	P	Pn	02 41 02.8	+0.7
YHNB		eS	Sn	02 41 18.4	0.0	
TWD	Chiawan	1.12 235	P	Pn	02 41 01.6	-0.5
TWD		eS	Sn	02 41 17.6	-0.8	
TWT	Danshui	1.13 293	P	Pn	02 41 02.8	+0.7
TWT		eS	Sn	02 41 19.1	+0.6	
NSK	Sanguang	1.13 267	P	Pn	02 41 02.8	+0.5
NSK		eS	Sn	02 41 18.5	-0.2	
TWS1	Kuangyinshan	1.14 289	P	Pn	02 41 02.9	+0.7
TWS1		eS	Sn	02 41 19.1	+0.4	
ETLH	Xiulin Townshi	1.15 243	eP	Pn	02 41 02.1	-0.4
ETLH		eS	Sn	02 41 18.5	-0.6	
NNSB	Datong	1.15 255	P	Pn	02 41 02.7	+0.2
NNSB		eS	Sn	02 41 18.8	-0.3	
NNS	Nan Shan	1.16 256	P	Pn	02 41 02.8	+0.3
NNS		eS	Sn	02 4		







Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like WRR1 Warramunga Arr, WB2 Warramunga Arr, ILAR Eielson Array, etc.

IDC 14 03:44:44.3-0.1, 11.055x164.562E, h0km, mb3.6/5, mb1 3.8/5, mb1mx3.6/22, mbtmp3.6/5, Error ellipse: s-maj=105.0km s-min=30.6km az=133.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, SONM Songo Array, etc.

DDA 14 03:44:46.4, 38.59N;39.64E, h5km, 1km, ML3.5 ISC 14 03:44:46.3, 38.61N;39.66E, h5km, ML3.3/22, MS1 3.3/7.1, ms1mx2.0/20, Error ellipse: s-maj=10.0km, s-min=5.7km az=11.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like PTK Pertek, TNCU Tunceli-Merkez, ELZG Elazig, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like KEMA Kemaliye, SVAN Silvan, MAZI Mazidag, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like BTMN Batman, ECAT Cat-ERZURUM, SANL SANLIURFA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like DARE Darende-Malaty, BAYO Aydintepe-Bayb, GUYO Guroymak-BITLI, etc.

IDC 14 03:47:22.6, 1.4, 31.19N;142.46E, h0km, mb3.4/5, mb1 3.5/6, mb1mx3.4/44, mbtmp3.3/6, ML2.5/1, MS2.3/1, Ms1 2.3/1, ms1mx2.0/20, Error ellipse: s-maj=38.1km s-min=27.1km az=23.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like KOPR Koprucuk-ERZUR, MLAZ Malazgirt-MUS, CUALT Altinyaya-SIV, etc.

ISCJB 14 03:47:25.8, 1.3, 31.3N;02.142.5E;0.3, h37km, mb3.5/5, Error ellipse: s-maj=35.1km s-min=20.4km az=158.8, 0.052/6, mb3.5/5, 21.0, South-East of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like MJAR Matsushiro Arr, KSRS Kurehara Array, SONM Songo Array, etc.

ISCJB 14 03:56:55.8, 1.2, 14.98S;07.167.2E;0.2, h129km, mb3.8/7, Error ellipse: s-maj=31.1km s-min=10.6km az=178.9

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISCJB 14 03:57:13.7-0.6, 19.14N;08.145.9E;0.2, h109km, mb3.7/12, Error ellipse: s-maj=24.8km s-min=11.2km az=1.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like GUMO Guam, MJAR Matsushiro Arr, H113S WAKE ISLAND Hy, etc.

IDC 14 03:57:16.2-3.3, 19.08N;145.93E, h120km, 31km, mb3.5/12, mb1 3.7/14, mb1mx3.5/52, mbtmp3.9/14, Error ellipse: s-maj=25.7km s-min=15.5km az=2, h109km, n20, 0.077/15, mb3.8/12, Mariana Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like H111N WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, USRK Ussuriysk Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

ISCJB 14 03:58:56.7-0.6, 10.8S;01.166.5E;0.1, h10km, mb4.2/22, MS3.6/5, Error ellipse: s-maj=19.8km s-min=9.3km az=40.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, DZM Mont Dzumac, etc.

IDC 14 03:58:56.2-1.1, 10.88S;166.62E, h0km, mb4.0/13, mb1 4.2/13, mb1mx4.0/44, mbtmp4.0/13, MS3.6/7, Ms1 3.5/7, ms1mx3.2/29, Error ellipse: s-maj=40.5km s-min=18.6km az=139.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like NEIC 14 03:58:57.9-0.4, 10.88S;166.58E, h10km, mb4.5/13, Error ellipse: s-maj=16.8km s-min=7.8km az=135.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like H11S2 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, etc.

ISC 14 03:58:57.9-0.9, 10.9S;02.166.6E;0.2, h0km, n45, 0.089/33, mb4.3/22, MS3.6/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like H11S2 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, etc.

ISC 14 03:56:56.6-5.8, 15.00S;167.39E, h130km, 57km, mb3.7/7, mb1 3.9/8, mb1mx3.5/42, mbtmp4.1/8, Error ellipse: s-maj=47.3km s-min=27.5km az=153.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like MK31 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, etc.

NEIC 14 04:00:24.8-0.0, 15.64N;94.13W, h74km, mb4.5/121, MD4.6(MEX), After, MEX. NEIC Felt at El Espinal, Salina Cruz, San Cristobal de Las Cascas, Tonala and Tuxtla Gutierrez. UCR 14 04:00:24.6-1.1, 15.79N;93.72W, h194km, 9km, MD4.4, ML4.3, mb4.5, 5(NEIC)

IDC 14 04:00:24.6-0.8, 15.83N;93.87W, h79km, 6km, mb4.0/24, mb1 4.2/27, mb1mx3.2/40, mbtmp4.4/27, MS3.3/11, Ms1 3.3/11, ms1mx3.1/32, Error ellipse: s-maj=14.3km s-min=5.7km az=41.0

MEX 14 04:00:24.8-0.7, 15.59N;94.13W, h74km, 11km, MD4.0 ISCJB 14 04:00:25.4-0.3, 15.92N;02.93.78W;0.02, h102km, 2km, mb4.3/100, Error ellipse: s-maj=4.4km s-min=2.6km az=141.0

ISC 14 04:00:23.6-0.6, 15.78N;101.04.93.95W;0.03, h77km, 5km, n540, 0.2812/579, mb4.4/01, 2C, Near coast of Honshu

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like PCIG Comitan, CCIG Comitán, CCIG Comitán, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like PCG Pacaya, IXC Ipacox, MRL Marmol, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like UEES San Salvador, SNET Serv Nac Est, LOMA San Marcos, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like ESTN Estel, ESTN Estel, MOIG Morelia, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like ARE1 Arenal 1, LNIG Linares, LNIG Zacatecas, etc.

ISC 14 03:56:56.3-1.2, 14.97S;07.167.2E;0.2, h129km, n10, 0.094/10, mb3.9/6, Vanuatu Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res ISC. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, etc.

ISC 14 03:56:56.3-1.2, 14.97S;07.167.2E;0.2, h129km, n10, 0.094/10, mb3.9/6, Vanuatu Islands



14d 4h

PAYG	Puerto Ayora	16.75	167	ePn	Pn	04 04 12.7	-0.9
DWPF	Disney Wildern	16.87	41	ePn	P	04 04 16.4	+0.6
DWPF	Disney Wildern	16.87	41	eSn	Sn	04 07 15.9	-6.0
DWPF	Disney Wildern	16.87	41	P	Pn	04 04 14.3	-0.6
858A	St. Cloud	16.99	41	P	Pn	04 04 15.8	-0.5
452A	Marianna	17.01	27	P	Pn	04 04 16.7	+0.1
350A	Dozier	17.05	23	P	Pn	04 04 17.1	+0.1
757A	Oxford	17.07	38	P	Pn	04 04 17.0	-0.4
656A	Willston	17.12	36	ePn	Pn	04 04 18.4	+0.3
656A	Willston	17.12	36	P	Pn	04 04 17.7	-0.3
351A	Pinckard	17.20	25	P	Pn	04 04 18.9	-0.1
453A	Whigham	17.40	29	ePn	Pn	04 04 20.8	-0.6
453A	Whigham	17.40	29	P	Pn	04 04 21.1	-0.2
Z41A	Richland Creek	17.43	3	eP	P	04 04 26.4	+4.4
Z41A	Richland Creek	17.43	3	eSn	Sn	04 07 24.7	-1.1
Z41A	Richland Creek	17.43	3	P	Pn	04 04 23.3	+1.4
LP1G	La Paz	17.45	301	P	P	04 04 26.1	+3.8
LP1G	La Paz	17.45	301	LR	LR	04 10 18.6	
ABTX	Abilene, Hawle	17.54	344	eP	Pn	04 04 24.9	+1.7
ABTX	Abilene, Hawle	17.54	344	P	Pn	04 04 24.7	+1.5
250A	Grady	17.57	22	eP	P	04 04 25.6	+2.1
250A	Grady	17.57	22	eSn	Sn	04 07 30.9	-7.9
250A	Grady	17.57	22	P	Pn	04 04 23.8	+0.2
147A	Livingston	17.59	16	P	P	04 04 24.0	+0.3
454A	Quitman	17.61	31	P	P	04 04 23.8	-0.1
758A	Lake Helen	17.61	40	P	Pn	04 04 23.4	-0.5
352A	Blakely	17.66	26	eP	Sn	04 04 26.6	+2.1
352A	Blakely	17.66	26	eSn	Sn	04 07 32.5	-8.4
352A	Blakely	17.66	26	P	Pn	04 04 24.5	0.0
556A	Lake Butler	17.68	35	P	P	04 04 24.5	-0.2
353A	Camilla	17.86	28	P	P	04 04 26.5	-0.2
658A	Bunnell	17.91	39	P	P	04 04 26.5	-0.7
455A	Stateville	17.93	32	P	P	04 04 27.0	-0.5
149A	Jones	17.96	20	P	P	04 04 28.0	+0.3
557A	Orange Park	18.07	36	P	P	04 04 28.5	-0.5
252A	Lumpkin	18.19	26	P	P	04 04 30.4	+0.2
T1GA	Tifton	18.23	29	eP	Pn	04 04 37.0	+5.6
T1GA	Tifton	18.23	29	P	Pn	04 04 30.8	+0.1
150A	Eclectic	18.23	22	P	P	04 04 31.1	+0.4
LRAL	Lakeview Retre	18.29	19	eP	Pn	04 04 35.3	+3.0
LRAL	Lakeview Retre	18.29	19	P	Pn	04 04 32.1	+0.6
151A	Opelika	18.42	24	P	P	04 04 33.2	+0.4
456A	Hilliard	18.45	34	eP	P	04 04 34.0	+0.8
Z49A	Columbia	18.59	20	P	P	04 04 35.3	+0.6
X40A	Basin Creek Fa	18.65	3	P	Pn	04 04 37.1	+0.6
X41A	Kaden, Bauxite	18.68	4	P	Pn	04 04 37.5	+0.7
MIAR	Mount Ida	18.68	1	eP	P	04 04 36.9	+1.2
MIAR	Mount Ida	18.68	1	P	P	04 04 36.6	+0.9
152A	Waverly Hall	18.78	25	eP	Pn	04 04 39.4	+1.3
152A	Waverly Hall	18.78	25	P	P	04 04 36.8	0.0
254A	Abbeville	18.79	29	P	P	04 04 37.5	+0.7
Z50A	Ashland	18.85	21	eP	Pn	04 04 40.1	+1.2
Z50A	Ashland	18.85	21	P	Pn	04 04 36.9	-0.7
GD2L	Guadalupe Moun	18.89	332	eP	Pn	04 04 41.0	+1.5
MNTX	Cornudas Mount	18.96	329	eP	P	04 04 40.9	+2.1
MNTX	Cornudas Mount	18.96	329	P	P	04 04 40.7	+1.8
UALR	University of	18.97	4	eP	Pn	04 04 45.6	+5.3
OXF	Oxford	19.09	12	eP	P	04 04 40.1	-0.1
OXF	Oxford	19.09	12	P	P	04 04 40.5	+0.3
255A	Hazlehurst	19.17	31	eP	P	04 04 41.1	+0.1
255A	Hazlehurst	19.17	31	P	P	04 04 40.3	-0.7
Y49A	Blount Mountai	19.24	19	eP	Pn	04 04 44.1	+0.6
Y49A	Blount Mountai	19.24	19	P	Pn	04 04 42.6	+0.8
X46A	Booneville	19.30	13	P	P	04 04 43.4	+0.9
W39A	Magazine	19.33	0	eP	P	04 04 44.4	+1.6
W39A	Magazine	19.33	0	P	P	04 04 44.4	+1.6
Z52A	Williamson	19.36	25	P	P	04 04 43.6	+0.5
WMOK	Wichita Mounta	19.37	348	eP	P	04 04 44.7	+1.5
WMOK	Wichita Mounta	19.37	348	P	P	04 04 44.5	+1.3
W41B	Gary Mavity, V	19.37	4	eP	Pn	04 04 49.5	+4.5
CPRY	Cap Rock	19.38	334	eP	Pn	04 04 46.3	+0.9
154A	Montrose	19.43	29	P	P	04 04 43.9	0.0
DBBC	Dabeiba	19.43	115	eP	Pn	04 04 45.7	-0.3
DBBC	Dabeiba	19.43	115	eP	Pn	04 04 45.7	-0.3
X47A	Russelville	19.44	15	P	P	04 04 43.8	-0.2
Y50A	Piedmont	19.49	21	P	P	04 04 44.8	+0.3
X48A	Hartselle	19.60	17	eP	P	04 04 46.5	+0.8
X48A	Hartselle	19.60	17	P	P	04 04 46.5	+0.8
UREC	San Jos de Ur	19.70	112	eP	P	04 04 44.1	-3.0
UREC	San Jos de Ur	19.70	112	eP	P	04 04 44.1	-3.0
Y51A	Rockmart	19.74	22	P	P	04 04 47.9	+0.6
W45A	Hickory Valley	19.76	12	P	P	04 04 48.9	+1.4
MSTX	Muleshoe	19.78	338	eP	P	04 04 49.5	+1.6
MSTX	Muleshoe	19.78	338	P	P	04 04 48.9	+1.1
Z53A	Monticello	19.79	26	P	P	04 04 48.3	+0.6
X49A	Woodville	19.87	19	P	P	04 04 48.8	+0.2
W46A	Michie	19.91	14	P	P	04 04 49.8	+0.8
GOGA	Godfrey	19.95	26	eP	P	04 04 50.1	+0.6
GOGA	Godfrey	19.95	26	P	P	04 04 49.8	+0.4

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V41A	Mountainview	19.98	4	P	P	04 04 50.1	+0.3
X50B	Fort Payne	20.00	20	P	P	04 04 51.4	+0.9
V42A	Sparta	20.07	6	P	P	04 04 50.6	-0.2
Z54A	Sparta	20.07	28	P	P	04 04 50.8	-0.1
Y52A	Liburn	20.09	25	eP	P	04 04 51.6	+0.5
Y52A	Liburn	20.09	25	P	P	04 04 51.1	+0.1
TUL1	Leonard	20.11	356	eP	P	04 04 53.2	+1.9
TUL1	Leonard	20.11	356	P	P	04 04 52.7	+1.5
W47A	Westpoint	20.20	341	eP	P	04 04 52.3	0.0
AMTX	Amarillo	20.25	341	eP	P	04 04 54.3	+1.4
AMTX	Amarillo	20.25	341	P	P	04 04 54.6	+1.7
W48A	Yulaski	20.27	17	P	P	04 04 53.4	+0.4
Y53A	Monroe	20.28	26	P	P	04 04 52.7	-0.4
V45A	Humboldt	20.37	12	P	P	04 04 54.7	+0.7
X51A	Calhoun	20.41	22	eP	Pn	04 05 00.8	+3.6
X51A	Calhoun	20.41	22	P	P	04 04 54.9	+0.4
HELX	Santa Helena	20.42	116	eP	P	04 04 52.9	-2.3
HELX	Santa Helena	20.42	116	eP	P	04 04 52.9	-2.3
W49A	Belvidere	20.45	18	P	P	04 04 55.6	+0.6
U40A	Yellville	20.51	3	P	P	04 04 56.4	+0.8
U41A	Viola	20.56	5	P	P	04 04 56.6	+0.6
V46A	Holladay	20.60	14	P	P	04 04 55.8	-0.8
SMLC	San Martn de	20.61	107	eP	P	04 04 53.7	-3.2
SMLC	San Martn de	20.61	107	eP	P	04 04 53.7	-3.2
U42A	Reverend	20.63	6	P	P	04 04 56.6	-0.2
Y54A	Tignall	20.67	27	P	P	04 04 56.4	-0.9
V47A	Nunnely	20.77	15	P	P	04 04 58.4	0.0
X52A	Dalton	20.80	24	P	P	04 04 58.4	-0.4
W50A	Signal Mountai	20.83	20	eP	Pn	04 05 05.4	+3.2
W50A	Signal Mountai	20.83	20	eS	S	04 08 47.1	0.0
W50A	Signal Mountai	20.83	20	P	P	04 04 59.5	+0.5
V48A	Smith Brothers	20.87	16	P	P	04 04 59.4	-0.1
121A	Cookes Peak, D	20.88	325	P	P	04 05 02.5	+2.8
319A	Douglas	20.90	321	eP	Pn	04 05 03.2	0.0
YOTO	Yotoco, Valle	20.91	122	eP	P	04 05 00.2	0.0
YOTO	Yotoco, Valle	20.91	122	eP	P	04 05 00.2	0.0
X53A	Estanolle	20.95	25	P	P	04 05 00.1	-0.3
W51A	Cleveland	20.98	21	P	P	04 05 01.2	+0.6
WVT	Waverly	20.98	14	eP	P	04 05 01.1	+0.5
WVT	Waverly	20.98	14	eS	S	04 08 49.2	-0.9
WVT	Waverly	20.98	14	P	P	04 05 01.0	+0.3
U46A	Springfield	21.13	13	P	P	04 05 02.3	+0.1
PBMO	Poplar Bluff	21.14	8	eP	P	04 05 03.3	+0.9
V49A	McMinnville	21.16	18	P	P	04 05 02.5	-0.1
PTBC	PUERTO BERRIO,	21.20	114	eP	P	04 05 00.1	-3.1
PTBC	PUERTO BERRIO,	21.20	114	eP	P	04 05 00.1	-3.1
W52A	Murphy	21.22	23	eP	P	04 05 04.7	+1.4
W52A	Murphy	21.22	23	eS	S	04 09 00.8	+5.7
W52A	Murphy	21.22	23	P	P	04 05 03.1	-0.2
RREF	El Recreo	21.23	119	eP	P	04 05 04.9	+0.7
RREF	El Recreo	21.23	119	eP	P	04 05 04.9	+0.7
T41A	Mountain View	21.26	5	P	P	04 05 04.6	+0.9
T42A	Van Buren	21.31	6	eP	P	04 05 05.8	+1.7
T42A	Van Buren	21.31	6	eS	S	04 09 00.1	+3.5
T42A	Van Buren	21.31	6	P	P	04 05 04.3	+0.1
V50A	Pikeville	21.33	20	P	P	04 05 04.3	0.0
ANIL	Santa Ana	21.40	120	eP	P	04 05 06.5	+0.9
ANIL	Santa Ana	21.40	120	eP	P	04 05 06.5	+0.9
U47A	Clarksville	21.41	15	P	P	04 05 05.1	-0.1
T43A	Greenville	21.46	8	P	P	04 05 07.5	-0.1
POPC	Popayan, Colom	21.51	126	eP	P	04 05 07.8	+1

Table with columns: ID, Name, Az, El, Az', El', P, Res, and other station details. Includes entries like P50A Jamestown, N43A Stutzman Family, N44A Piper City, etc.

Table with columns: ID, Name, Az, El, Az', El', P, Res, and other station details. Includes entries like H40A Chili, H41A Junction City, H42A Shiocton, etc.

Table with columns: ID, Name, Az, El, Az', El', P, Res, and other station details. Includes entries like SUMG Summit, SCO Scoresbysund, DAG Danmarks Havn, etc.

ISCJB 14 04:01:31.8s, 0.2323N, 0.022122W, 0.022, h20km, 2km, ...

Table with columns: Code, Station Name, Az, El, Az', El', P, Res, and other station details. Includes entries like HGSJ Ruisui, HGSJ Ruisui, CHKT Chengkung, etc.

Table with columns: STYT, Tauyuan, 1.13 265 P, Pb, 04 01 52.7 -0.8, SNJT, Kaoshiung City, 1.60 252 eP, Pb, 04 01 60.0 -1.4, etc.

Table with columns: SNJT, Kaoshiung City, 1.60 252 eP, Pb, 04 01 60.0 -1.4, NSJT, Nanjing, 1.63 327 eP, Pb, 04 02 00.4 -1.4, etc.

IDC 14 04:16:49.6-1.8, 2.07N:126.11E, h0km, mb3.4/4, mb1 3.7/4, mb1mx3.4/32, mbtmp3.5/4, Error ellipse: s-maj=116.1km s-min=22.4km az=68.0, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes entries like FITZ, Fitzroy Crossi, WRA, Warramunga Arr, etc.

IDC 14 04:31:38.8-1.5, 11.17S:164.41E, h0km, mb3.7/5, mb1 4.1/8, mb1mx3.8/27, mbtmp4.0/8, ML3.7/4, MS2.8/1, MS1 2.8/1, ms1mx2.5/35, Error ellipse: s-maj=33.9km s-min=25.2km az=111.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes entries like HNR, Honiara, DZM, Mont Dzumac, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes entries like ISK, 14 04:36:14.9, 39.04N:25.92E, h3km, ML2.5/14, etc.

IDC 14 04:38:40.7-3.2, 10.97S:164.55E, h88km, mb3.4/4, mb1 3.7/7, mb1mx3.5/41, mbtmp4.0/7, MS3.3/5, Ms1 3.3/5, ms1mx3.0/19, Error ellipse: s-maj=29.0km s-min=18.9km az=54.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes entries like HNR, Honiara, DZM, Mont Dzumac, etc.

IDC 14 04:46:17.5-0.7, 15.39N:147.36E, h0km, mb4.0/19, mb1 4.1/19, mb1mx3.9/48, mbtmp4.0/19, MS3.1/4, Ms1 3.1/4, ms1mx2.7/46, Error ellipse: s-maj=24.0km s-min=14.0km az=96.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, etc. Includes entries like NEIC, 14 04:46:22.6-0.4, 15.38N:147.34E, h35km, mb4.4/13, etc.









14d 7h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like Las Campanas, PUNTA DE LOS L, Tololo Observa, La Paz, La Paz, La Paz, ACAN Cantanlat, CPUP Villa Florida, TRQA Torquist, BDFB Brasilia, TXAR Lajitas Array, TORD Torodi Arr. Bea, ASAR Alice Springs, ZALV Zalesovo Beam, MKAR Makanchi Array.

ISK 14 06:47:34.2, 38.34N:42:50E, h17km, ML2.6/7
ISCJBJ 14 06:47:35.4, 0.5, 38.31N:0:03:42:50E:0:03, h11km, 6km,
Error ellipse: s-maj=5.3km s-min=3.3km az=148.3
DDA 14 06:47:35.1, 38.35N:42:48E, h7km, 5km, ML2.9
ISC 14 06:47:35.0, 1.1, 38.33N:0:03:42:51E:0:02, h9km, 10km,
n19, <math>\phi=67^{\circ}30'</math>, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AKDM Akdamar-Van, GEVA Gevas, GURO Guroymak-BITLI, ADCV BITLIS Adilcev, SRTM Siirt\_Merkez, TVAN Van, MLAZ Malazgirt-MUS, SIRT Sirkak, SVAN Silvan-Diyarba, VMUR Van-Muradiye, BTMM Batman, TUTA Tutak, AGRB Hanur-Agry, CLDR Caldiran, EATA Eleskirt, HANI Diyarbakir\_Han, MARD Mardin.

ISC 14 06:50:07.6, 1.1, 1:15S: 120:50E, h0km, mb3.7/6,
mb1 3.8/7, mb1mx3.6/30, mbtmp3.7/7, ML2.9/1,
Error ellipse: s-maj=143.8km s-min=16.3km az=63.0,
ISCJBJ 14 06:50:10.9, 0.5, 1:19S:0:05:120:14E:0:04, h28km,
mb3.7/6, Error ellipse: s-maj=6.8km s-min=5.9km az=36.4
DDA 14 06:50:11.4, 0.5, 1:19S:3:12E:0:02, h17km, 5km, ML2.12,
MLv4.2/12
ISC 14 06:50:10.7, 0.7, 1:22S:0:04:120:21E:0:04, h28km, n19,
<math>\phi=240^{\circ}21'</math>, mb3.8/6, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PCI Palu, APSI Ampapa, MRSI Mapaga, TTSI Tana Toraja, MRSI Marisa, LUWI Luwuk, SPSI Sidrap Palu, KDI Kendari, BKSI Bulukumba, KMRS Cibinong, KBKI Kotabaru, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, STKA Stephens Creek, SONM Songino Array, MKAR Makanchi Array, ZALV Zalesovo Beam.

ISCJBJ 14 07:07:01.4, 0.5, 28:55S:0:1:62:6E:0:1, h10km, mb4.3/18,
MS3.6/3, Error ellipse: s-maj=17.9km s-min=13.9km
az=26.5,
ISC 14 07:07:01.8, 0.7, 28:43S:62:60E, h0km, MB3.4/21/3,
mb1 4.3/13, mb1mx4.0/38, mbtmp4.2/13, MS3.6/3,
Ms1 3.7/3, ms1mx3.0/39, Error ellipse: s-maj=25.5km
s-min=19.8km az=35.0,
NEIC 14 07:07:03.2, 0.4, 28:46S:62:54E, h10km, mb4.3/4, Error
ellipse: s-maj=13.4km s-min=10.3km az=207.0,
ISC 14 07:07:03.3, 0.7, 28:55S:0:2:62:5E:0:2, h10km, n31,
<math>\phi=72^{\circ}31'</math>, mb4.3/18, MS3.8/3, Southwest Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MAW Mawson, CM31 Chiang Mai Arr, CMAR Chiang Mai Arr, CMAR, AS31 Alice Springs, AS41 Alice Springs, VNSA Vanda, WR1 Warramunga Arr, WRA Warramunga Arr, CUKAN Kangaroo, CUALT Altiynaya-SIV, BNN Bunyan, YAHY KAYSERI\_Yahyal, TAHT Tahtakopru-Hat, YURE YUREGIR, YURE YUREGIR, KEMA Kemaliye, GUNE Kayseri, CUSAR Sarkisala-SIVAS, KARAR Karaisali, YAVL Yayladag, KRYS KRYSA, TNCL Tuncel-Merkez, CUZAR ZARA\_SIVAS, GULE Gulek, SIRC Yozgat, HANI Diyarbakir\_Han, MERS Mersin, KERG Konya-Eregli, KERG.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, TORD Torodi Arr. Bea, BTO11 Keskin Array S, BRTR Keskin Array B, DBIC Dimbokro, MK32 Makanchi Array, MKAR Makanchi Array, ABKAR Akbulak array, AKASG Malin Array, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, SONAO Songino Array, SONM Songino Array, ULN Ulanbaatar, KSAR Wonju Array Be, KRSR Korea Arr, SPB Sao Paulo, USRK Ussuriysk Arr, YKA Yellowknife Arr.

ISCJBJ 14 07:59:2.1, 1.3, 37:68N:0:05:143:74E:0:07, h33km,
mb3.3/4, Error ellipse: s-maj=8.6km s-min=6.0km az=26.0
JMA 14 07:59:6.0, 1.3, 37:70N:143:71E, h43km, M3.3,
IDC 14 07:08:02.8, 4.1, 37:09N:143:33E, h0km, mb3.4/4,
mb1 3.5/5, mb1mx3.4/31, mbtmp3.4/5, ML2.6/1, MS2.7/1,
Ms1 2.7/1, ms1mx2.2/33, Error ellipse: s-maj=93.0km,
s-min=28.0km az=162.0,
ISC 14 07:59:4.2, 1.3, 37:71N:0:07:143:8E:0:1, h35km, n23,
<math>\phi=18^{\circ}10'</math>, mb3.4/4, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JIKH Ishinomakikobu, JIO Ouri, JKMT Kesennumamotoy, JKMT, OFJU Ofunato, JMK Ichinoseki, JMK, JOM Ohasama, JFT Otama, JYK Kaneyama, JYK, JANG Nango, JANG, JANG, ASHAKIGA, JAG, JRY Ryogami san, MJAR Matushiro, MAT Matushiro, MAT, JCH Churui, NEM2 Nemuro 2, KRSR Korea Array, H1N2 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, H1N1 WAKE ISLAND Hy, SONM Songino Array, ZALV Zalesovo Beam, MKAR Makanchi Array, ILAR Eileison Array.

DDA 14 07:10:58.8, 37:72N:37:46E, h16km, 1km, ML3.5
ISK 14 07:10:58.4, 37:74N:37:46E, h5km, ML3.3/10,
ISC 14 07:10:59.2, 1.0, 37:74N:0:02:37:44E:0:02, h11km, 10km,
n37, <math>\phi=87^{\circ}49'</math>, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GZT Gaziantep, KMRS Kahramanmaras, GAZ Gaziantep, ELBS KAHRAMANMARAS06, AKCD Akcadag, ATAB Bozova, DARE Darende-Malaty, ANDN Andirin, CUGUR Gurin\_SVAS, KUZU Kuzuni, SAIM ADANA, URFA Urfa, SURC SANLIURFA\_SURC, SURC, KOZT Kozan, SANL SANLIURFA\_Merk, SANL, ELZG Elazir, ELZG, ZARC Zaragoza, Cauc, ZARC, SMLC San Martin de, CHIC Chingaza, CHIC, ROSE El Rosal, ROSE, ROSE, ROSE, ROSE, ROSE, UREC San Jos de Ur, UREC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZARC Zaragoza, Cauc, ZARC, SMLC San Martin de, CHIC Chingaza, CHIC, ROSE El Rosal, ROSE, ROSE, ROSE, ROSE, UREC San Jos de Ur, UREC.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MARC Mardin, GZT Gaziantep, KMRS Kahramanmaras, GAZ Gaziantep, ELBS KAHRAMANMARAS06, AKCD Akcadag, ATAB Bozova, DARE Darende-Malaty, ANDN Andirin, SAIM ADANA, KOZT Kozan, SURC SANLIURFA\_SURC, SANL SANLIURFA\_Merk, BNN Bunyan, TAHT Tahtakopru-Hat, PTK Pertek.

DDA 14 07:19:09.9, 38:29N:42:54E, h7km, 3km, ML3.2
NSPP 14 07:19:09.4, 38:32N:42:43E, h9km, M3.1
ISCJBJ 14 07:19:09.9, 38:34N:42:43E, h5km, ML3.1/8
ISC 14 07:19:10.4, 1.1, 38:29N:0:03:42:49E:0:03, h4km, 6km,
Error ellipse: s-maj=5.8km s-min=4.0km az=167.9
ISC 14 07:19:10.4, 1.1, 38:29N:0:03:42:49E:0:02, h9km, 11km,
n23, <math>\phi=19^{\circ}40'</math>, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like AKDM Akdamar-Van, AKDM, GURO Guroymak-BITLI, GEVA Gevas, SRTM Siirt\_Merkez, ADCV BITLIS Adilcev, TVAN Van, SIRT Sirkak, SIRT, SVAN Silvan-Diyarba, SVAN, VMUR Van-Muradiye, VMUR, TUTA Tutak, BASK Baskale\_VAN, AGRB Hanur-Agry, CLDR Caldiran, BNGB Bingli, BGOL Bingol, KPRR Konurkoy-ERZUR, MAZI Mazidag, GNI Garni, GNI.

ISCJBJ 14 07:27:02.0, 0.6, 6:85N:0:03:73:13W:0:03, h157km, 5km,
mb3.5/1, Error ellipse: s-maj=5.6km s-min=4.3km az=27.4
DDA 14 07:27:01.2, 0.9, 6:53N:72:77W, h179km, 8km, mb3.2/1,
mb1 5.5/3, mb1mx3.0/29, mbtmp3.3/3, Error ellipse:
s-maj=50.1km s-min=8.0km az=131.0,
RSNC 14 07:27:03.5, 1.1, 6:83N:73:13W, h150km, 5km, ML3.1,
Mw3.3
ISC 14 07:27:02.8, 1.1, 6:85N:0:03:73:12W:0:04, h152km, 7km,
n25, <math>\phi=87^{\circ}14'</math>, 5C-2D, Northern Colombia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BARC Barichara, BRRC Barranca, PAMC Pamplona, COLO, SMLC San Martin de, CHIC Chingaza, CHIC, ROSE El Rosal, ROSE, ROSE, ROSE, ROSE, UREC San Jos de Ur, UREC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZARC Zaragoza, Cauc, ZARC, SMLC San Martin de, CHIC Chingaza, CHIC, ROSE El Rosal, ROSE, ROSE, ROSE, ROSE, UREC San Jos de Ur, UREC.



14d 9h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Humahuaca, IPOC Station P, Las Campanas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Puyo, Santa Ro, Tungurahua Vol, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BMAS Triglat station, Ubulba Tungurahua, etc.

SOME 14 08:41:46.7, 40.32N, 77.55E, h10km
NNC 14 08:41:47.3, 2.3, 40.37N, 77.56E, h0km, mb2.9, mpv2.5,
Error ellipse: s-maj=15.8km s-min=9.9km az=175.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Code Station Name, Nryn, Ulhal, etc.

IDC 14 08:48:20.5, 0.8, 78.20N, 7.55E, h0km, mb3.4/7,
mb1 3.7/10, mb1mx3.4/6, mbtmt3.5/10, ML2.7/3, MS3.1/14,
Ms1 3.7/14, ms1mx2.9/44, Error ellipse: s-maj=18.4km
s-min=12.0km az=15.0

NAO 14 08:48:22.8, 2.8, 78.17N, 8.62E, h5km, 14km, ML2.9
BER 14 08:48:23.2, 3.2, 6.78, 12N, 8.47E, h6km, 12km, ML2.7,
ML2.9(NAO), Confirmed Earthquake

IEPN 14 08:48:23.0, 78.24N, 8.37E, h15km, station ZF12 has
station magnitude of 3.15

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Code Station Name, Kingsbay, etc.

1118

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like ARAO, ARCES Array S, etc.

NNC 14 09:00:47.7, 4.8, 51.42N, 81.84E, h0km, mb3.2, mpv2.7,
Error ellipse: s-maj=48.9km s-min=18.0km az=15.0,
Suspected Mining explosion.

IDC 14 09:00:48.3, 1.2, 51.46N, 81.79E, h0km, mb1 2.3/3,
mb1mx2.3/49, mbtmt2.3/3, ML1.6/3, 4C-3D, Error ellipse:
s-maj=16.2km s-min=11.7km az=128.0, Southwestern
Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Code Station Name, Kurchatov, etc.

UPP 14 09:04:34.4, 3.6, 64.48N, 31.17E, h0km, ML1.7, Suspected
explosion

IDC 14 09:04:36.5, 3.0, 64.74N, 31.44E, h0km, mb1 3.1/3,
mb1mx2.9/49, mbtmt3.2/3, ML2.5/3, Error ellipse:
s-maj=46.5km s-min=9.6km az=99.0

HE 14 09:04:38.1, 0.3, 64.81N, 31.53E, h0km, ML2.1, Explosion
NAO 14 09:04:39.3, 1.9, 64.79N, 30.22E, ML2.3
BER 14 09:04:40.0, 4.7, 64.82N, 30.16E, h0km, ML2.3(NAO),
Suspected explosion

IDC 14 09:04:34.2, 1.1, 64.77N, 0.02, 31.15E, 0.07, h0km, m44,
c1996/66, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like Code Station Name, Rieki, etc.



14d 10h

Table with columns: RTLS, Station Name, Azimuth, Phase, Time, Res. Includes stations like Leoncito, Cerro Valdivia, San Ignacio, etc.

2013 FEB

Main table with columns: Code, Station Name, Azimuth, Phase, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

1120

Table with columns: BOOM, Station Name, Azimuth, Phase, Time, Res. Includes stations like DGS Degeres, DGS Degeres, DGS Degeres, etc.

ISC 14 10:03:05.9, 38.33N, 38.17E, h3km, ML1.5/3
DDA 14 10:03:08.0, 38.30N, 38.13E, h7km, 6km, ML2.6

ISC 14 10:03:06.9, 1.3, 38.31N, 0.03, 38.16E, 0.03, h1km, 12km, n9, e08/18, Turkey





14d 11h

Table with columns for call sign, frequency, power, and other technical details. Includes stations like SONA0, SONM, SONM, ULN, MK01, etc.

2013 FEB

Table with columns for call sign, frequency, power, and other technical details. Includes stations like PETK, PE1A, PRGR, OBNSK, etc.

1122

Table with columns for call sign, frequency, power, and other technical details. Includes stations like JUNU, TARG, NRN, etc.

IDC 14 11:24:32.8,0.6,0.405,98.61E,h0km,mb4.0/2, mb1 4.5/24,mb1mx4.2/25,mbmp4.4/24,ML3.4/1,Error ellipse: s-maj=19.5km s-min=13.3km az=61.0

ISCJB 14 11:24:35.7,0.3,0.405:0.048,59E:0.05,h32km, mb4.5/37, Error ellipse: s-maj=8.3km s-min=4.5km az=141.9

DJA 14 11:24:36.0,0.5,0.5:4.9,9E,h10km,M4.6/15,mb4.8/3, mb4.8/1,ML4.5/15,ML6B/9.0/1

NEIC 14 11:24:37.0,0.7,0.425:93.01E,h37km,5km,mb4.6/20, Error ellipse: s-maj=7.9km s-min=4.0km az=54.0

ISC 14 11:24:37.5,0.5,0.5:39S:0.05,98E:0.05,h32km,n94, a137/90,mb4.5/37,Southern Sumatera

Table with columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations and their coordinates.

ISCJB 14 11:37:57.9,0.6,10.60S:0.07,161.38E:0.08,h61km, mb4.0/11, Error ellipse: s-maj=13.2km s-min=7.0km az=115.0

IDC 14 11:37:58.6,2.9,10.53S:161.46E,h54km,22km,mb4.0/8, mb1 4.1/9,mb1mx3.8/45,mbmp4.3/9,ML4.1/1,MS3.4/4, Ms1 3.4/4,ms1mx3.0/29, Error ellipse: s-maj=22.6km s-min=17.1km az=72.0

NEIC 14 11:37:59.2,0.8,10.52S:161.40E,h60km,8km,mb4.0/5, Error ellipse: s-maj=9.5km s-min=7.2km az=222.0

ISC 14 11:37:59.3,0.8,10.55S:161.50E:0.11,h61km,n31, a092/28,mb4.1/11,Bougainville-Solomon Islands region

Table with columns for Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations and their coordinates.



14d 13h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like TNS5 Tian-Shan, TNS6 Tian-Shan, etc.

IDC 14 12:41:16.4±4.5, 10.39Sx166.63E, h54km, mb3.5/3, mb1 4.0/5, mb1mx3.4/5.1, mbtmp4.0/5, ML4.5/2, Error ellipse: s-maj=45.9km s-min=34.8km az=6.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like HNR Honiara, DZM Mont Dzumac, H1S12 WAKE ISLAND Hy 28.69, etc.

IDC 14 12:42:10.6±0.9, 19.22Sx176.44W, h0km, mb4.3/11, mb1 4.5/11, mb1mx4.1/42, mbtmp4.3/11, MS3.8/5, Ms1 3.8/5, ms1mx3.5/34, Error ellipse: s-maj=39.7km s-min=19.1km az=148.0

ISCJB 14 12:42:12.9±0.6, 19.1S, 0.2x176.60W, h21km, mb4.4/27, MS3.6/3, Error ellipse: s-maj=23.8km s-min=9.0km az=157.6

NEIC 14 12:42:12.2±0.3, 19.26Sx176.48W, h10km, mb4.6/17, Error ellipse: s-maj=14.7km s-min=8.0km az=157.0

ISC 14 12:42:13.7±0.7, 19.35S, 0.2x176.5W, 0.1, h21km, n48, c078/40, mb4.5/27, MS3.6/3, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like MSFV Nonsavu, RAR Rarotonga, DZM Mont Dzumac, etc.

2013 FEB

Main table with columns: STKA, LR, LR, 13 04 46.1, etc. Rows include stations like BBOO Buckleboe, WRAB Tennant Creek, WRI Warramunga Arr, etc.

1124

Table with columns: NACB, baz=214, eS, Sg, 12 44 10.1-0.7, etc. Rows include stations like ETNH Xiulin Townsho, ETLH baz=221, etc.

IDC 14 12:44:25.0±2.7, 18.93Sx176.54W, h0km, mb3.8/3, mb1 4.2/3, mb1mx3.6/45, mbtmp3.8/3, MS3.6/1, Ms1 3.6/1, ms1mx3.1/37, Error ellipse: s-maj=29.9km s-min=32.3km az=157.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like JAY Jayapura, WRA Warramunga Arr, ASAR Alice Springs, etc.

MOS 14 12:54:04.8±2.5, 53.97N, 166.13E, h20km, mb4.5/1, Error ellipse: s-maj=32.7km s-min=9.7km az=170.4

KRSC 14 12:54:04.8±1.5, 53.97N, 166.13E, h20km, mb3.2km, ML4.3, Komandorsky Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include stations like MKZ Mys Kozlova, TUMR Tumrok, SPN Mys Shipunski, etc.

IDC 14 13:04:41.4±1.3, 18.90Sx176.50W, h0km, mb4.2/10, mb1 4.4/10, mb1mx4.2/28, mbtmp4.1/10, MS4.8/4, Ms1 4.8/4, ms1mx4.6/46, Error ellipse: s-maj=69.7km s-min=19.0km az=149.0

ISCJB 14 13:04:42.0±0.6, 19.0S, 0.2x176.52W, h21km, mb4.4/14, MS4.9/2, Error ellipse: s-maj=27.1km s-min=10.4km az=172.7

NEIC 14 13:04:46.7±0.7, 18.93Sx176.58W, h35km, mb4.2/1, Error ellipse: s-maj=27.6km s-min=10.0km az=158.0

ISC 14 13:04:45.0±0.8, 19.0S, 0.2x176.4W, 0.1, h21km, n21, c1956/17, mb4.3/14, Fiji Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like Nonsavu, Raoul Island, Rarotonga, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MOMR, Moma, RAR, etc.

Table with columns: SKR, Severo-Kuril's, 18.16 152, P, Pmax, P. Includes stations like SKR, UGL, GAMB, etc.

SOME 14 13:09:15.4, 43.82N-83.12E, h0km
NCC 14 13:09:20.9, 4.1, 44.06N-82.81E, h0km, mb2.6, mpv2.2,
Error ellipse: s-maj=38.1km s-min=16.6km az=137.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like DJR, PDGK, MK31, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like ATKR, BTGS, YAK, etc.

Table with columns: SKR, Severo-Kuril's, 18.16 152, P, Pmax, P. Includes stations like KLR, NRIK, RDGO, etc.

BJI 14 13:13:49.5, 67.58N-142.61E, h10km, mb7.175, mb6.4/80,
Ms7.4/97, Ms7.7/3/89

ISCJB 14 13:13:50.9, 0.1, 67.57N-142.72E, h1km,
mb6.4/767, MS6.8/250, Error ellipse: s-maj=1.6km
s-min=1.2km az=161.8

MOS 14 13:13:51.6, 1.0, 67.56N-142.68E, h14km, mb6.7/97,
MS6.9/68, Error ellipse: s-maj=8.3km s-min=3.7km
az=92.5 Broadband fault plane solution: P waves.

YARS 14 13:13:52.3, 0.2, 67.58N-142.67E, h14km, mb6.5/99,
ME6.8, MS6.7/116, MW6.6, MW6.7, MW6.6 Error ellipse:
s-maj=2.9km s-min=2.0km az=162.0 Moment Tensor Solution.

NEIC 14 13:13:53.1, 0.1, 67.63N-142.51E, h11km, mb6.5/299,
ME6.8, MS6.7/116, MW6.6, MW6.7, MW6.6 Error ellipse:
s-maj=2.9km s-min=2.0km az=162.0 Moment Tensor Solution.

NEIC 14 13:13:59.1, 0.0, 67.65N-142.51E, h12km, MW6.7/149,
Moment Tensor Solution. s149.c380; s148.c692;
Duration: 5s3 Moment tensor: Scale 10^19Nm;

ISC 14 13:13:52.7, 0.4, 67.52N-142.70E, h9km, 2km,
h9km, P, n2697, s1970/3023, mb6.6/821, MS6.8/285,
245C-66D, Eastern Siberia

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MA2, BILL, NIKL, ZEA, etc.

Table with columns: SKR, Severo-Kuril's, 18.16 152, P, Pmax, P. Includes stations like SMI, HIA, KUR, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MOMR, Moma, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like GRNR, Gornyy, etc.

Table with columns: SKR, Severo-Kuril's, 18.16 152, P, Pmax, P. Includes stations like MDJ, Mudanjiang, etc.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like IRK, USAOB, USRKR, etc.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like RCO1, SDPT, SML, etc.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like KSAR, HHC, HSPB, etc.







Table with columns for station name, frequency, power, and other technical details. Includes stations like M1CGM, MNK, SHL, and various 'NEW' and 'HAWA' entries.

Table with columns for station name, frequency, power, and other technical details. Includes stations like COP, GUN, SHL, and various 'NEW' and 'HAWA' entries.

Table with columns for station name, frequency, power, and other technical details. Includes stations like DRUM, KPL, BEL, and various 'NEW' and 'HAWA' entries.



STNC	Stoke	56.87	336f	eP	P	13 23 37.2	0.0
STNC	comp=Z,994nm,1.4s		Iamb	Iamb		13 23 39.8	
STNC			IAMS_20	IAMS_20		13 56 53.7	
KOLL	Kolacno	56.89	319	eP	P	13 23 37.8	+0.4
KOLL	Kolacno	56.89	319	eP	P	13 23 37.8	+0.4
WME	Myndd Eilian	56.90	337f	iP	P	13 23 37.1	-0.3
WPS	Cemaes, Angles	56.93	337f	eP	P	13 23 37.0	-0.5
WPS	comp=Z,391nm,1.2s		Iamb	Iamb		13 23 39.5	
WPS	comp=Z,50um,13.3s		IAMS_20	IAMS_20		13 57 07.8	
KRUC	Moravsky	56.94	321f	iP	P	13 23 38.0	+0.3
AHID	Auburn Hatcher	56.94	58	eP	S	13 31 31.8	+0.5
AHID	comp=Z,1um,1.7s		LR	LR		13 23 38.9	+0.8
TREC	Trest	56.94	322f	iP	P	13 23 38.1	+0.4
TREC	comp=Z,84um,20.0s		ePP	PP		13 25 47.7	+0.0
TREC			eS	S		13 31 33.9	+2.5
TREC			AMS	AMS		13 51 10.0	
TREC	Trest	56.94	322f	iP	P	13 23 38.1	+0.4
TREC			e	e		13 25 47.7	
TREC			eS	S		13 31 33.9	+2.5
TREC			MLR	MLR			
BMN	Battle Mountai	56.98	64	eP	P	13 23 39.4	+1.1
BMN	Battle Mountai	56.98	64	eP	P	13 23 39.4	+1.1
BMN	comp=Z,1um,1.6s		pmax	pmax		13 23 39.4	+1.1
AFDM	Forest Hütte D	56.98	68	eP	P	13 23 38.6	+0.4
MCCM	Marconi Center	57.02	70	eP	P	13 23 40.7	+2.3
WLF1	Llynfaes	57.02	337f	eP	P	13 23 37.5	-0.6
WLF1	comp=Z,876nm,1.1s		Iamb	Iamb		13 23 40.2	
WLF1	comp=Z,88um,13.5s		IAMS_20	IAMS_20		13 57 09.5	
GIUM	Giurguluiti	57.05	310f	iP	P	13 23 39.4	+0.9
SUKH	Sukthoai	57.06	231	P	P	13 23 39.9	+1.0
CWF	Charnwood Fore	57.07	335f	eP	P	13 23 38.5	0.0
CWF	comp=Z,777nm,1.2s		Iamb	Iamb		13 23 41.5	
CWF	comp=Z,41um,15.2s		IAMS_20	IAMS_20		13 56 07.2	
LYTH	Rhoscolyn	57.08	337f	iP	P	13 23 37.9	-0.7
LYTH	Llavertys, Hu	57.09	316	eP	P	13 23 38.0	-0.7
LYTH	comp=Z,1um,1.8s		P	P		13 31 41.1	+7.9
NAX	Nakhchivan	57.10	293	P	P	13 23 39.2	+0.2
PETR	Petresti	57.12	311f	iP	P	13 23 40.3	+1.3
PSZ	Piszkesteto	57.12	318	eP	P	13 23 38.9	-0.2
PSZ	Piszkesteto	57.12	318	iP	P	13 23 40.0	+0.9
PSZ	Piszkesteto	57.12	318	eP	P	13 23 38.0	-1.1
PSZ	Piszkesteto	57.12	318	eS	S	13 31 36.0	+2.1
PSZ	Piszkesteto	57.12	318	eSS	SS	13 35 24.1	+2.3
PSZ	Piszkesteto	57.12	318	eP	P	13 23 38.9	-0.2
YLL	Llanberis	57.13	337f	eP	P	13 23 39.7	+0.8
YLL	comp=Z,1um,1.7s		Iamb	Iamb		13 23 40.1	+1.6
ODBI	Odobesti	57.13	312f	iP	P	13 23 39.7	+0.5
VRI	Vrincioaia	57.13	312	P	P	13 23 39.6	+0.4
VRI	Vrincioaia	57.13	312	P	P	13 23 40.2	+0.7
VCNR	Virginia City	57.14	66	P	P	13 23 40.2	+0.7
TLCR	TLCR	57.15	310f	iP	P	13 23 40.0	+0.8
TLCR	TLCR	57.15	310	P	P	13 23 40.0	+0.8
PLOR	Plostina	57.17	312f	iP	P	13 23 39.7	+0.3
SMOL	Smolenice	57.20	320	eP	P	13 23 40.5	+1.0
SMOL	Smolenice	57.20	320	eP	P	13 23 40.5	+1.0
FOEL	Foel Wyifa	57.22	336f	eP	P	13 23 39.7	0.0
FOEL	comp=Z,473nm,1.1s		Iamb	Iamb		13 23 42.7	
FOEL	comp=Z,48um,17.4s		IAMS_20	IAMS_20		13 54 04.0	
CJR	Chiu-Napoca	57.24	314f	iP	P	13 23 40.7	+0.8
HVU	Hansel Valley	57.28	59	eP	P	13 23 41.3	+0.9
HVU	comp=Z,2um,1.9s		P	P		13 23 41.3	+0.9
HVU	Hansel Valley	57.28	59	eP	P	13 23 41.3	+0.9
LLW	Llanuwchllyn	57.34	336f	eP	P	13 23 40.5	+0.1
PNTR	Pine Nut	57.34	66	eP	P	13 23 42.1	+1.1
DSB	Dublin	57.35	338	iP	P	13 23 40.6	+0.1
DSB	Dublin	57.35	338	eS	S	13 31 37.6	+1.0
DSB	Dublin	57.35	338	eLQ	LQ	13 37 54.4	
DSB	Dublin	57.35	338	eP	P	13 23 40.3	-0.2
CFR	Carcaliu	57.35	310f	iP	P	13 23 40.7	+0.1
CFR	Carcaliu	57.35	310	P	P	13 23 40.7	+0.1
MODS	Modra-Piesok	57.36	320	eP	P	13 23 41.5	+0.8
MODS	comp=Z,1um,1.5s		pmax	pmax		13 23 41.5	+0.8
MODS	Modra-Piesok	57.36	320	eP	P	13 23 41.5	+0.8
MODS	Modra-Piesok	57.36	320	ePP	PP	13 25 48.1	+0.6
MODS	Modra-Piesok	57.36	320	eS	S	13 31 38.1	+1.1
MODS	Modra-Piesok	57.36	320	eL	L	13 51 14.2	
MODS	Modra-Piesok	57.36	320	eP	P	13 23 41.6	+0.6
ELK	Elko	57.38	62	eP	P	13 23 41.8	+0.6
DYDN	Diyadin	57.40	295	iP	P	13 23 51.2	+1.0
DRGR	Drigr	57.41	315	eP	P	13 23 41.5	+0.3
DRGR	Drigr	57.41	315	eP	P	13 23 41.4	+0.3
DOPR	Dopca	57.42	313f	iP	P	13 23 42.2	+1.0
BW06	Boulder Array	57.44	56	eP	P	13 23 41.3	-0.3
BW06	comp=Z,1um,1.9s		LR	LR		13 23 41.3	-0.3
BW06	comp=Z,70um,20.0s		LR	LR		13 57 07.8	
BW06	Boulder Array	57.44	56	P	P	13 23 42.0	+0.4
PD31	Pinedale Array	57.44	56	eP	P	13 23 42.1	-0.4
PDAR	Pinedale Array	57.44	56	eP	P	13 23 40.1	-1.5
PDAR	Pinedale Array	57.44	56	P	P	13 23 41.1	-0.4
PDAR	comp=Z,55nm,0.7s,baz=358,slow=2,SNR=138		S	S		13 31 41.8	+3.2
PDAR	comp=Z,2.9nm,1.1s,baz=245,slow=32,SNR=2.0		LR	LR		13 50 28.5	
PDAR	comp=Z,63um,20.5s,baz=347,slow=38		LR	LR		13 50 28.5	
RCP	Roxas	57.45	203f	eP	P	13 23 42.4	+0.7
MACK	Trabzon	57.49	299	iP	P	13 23 41.7	-0.1
EATA	Eleskirt	57.53	296	iP	P	13 23 52.4	+1.0
KHC	Kasperske Hory	57.53	323	eP	P	13 23 42.1	+0.8
KHC	Kasperske Hory	57.55	323f	iP	P	13 23 42.6	+0.6
KHC	Kasperske Hory	57.55	323	ePP	PP	13 25 51.8	+2.7
KHC	Kasperske Hory	57.55	323	eS	S	13 31 33.1	-6.3
KHC	Kasperske Hory	57.55	323	AMS	AMS	13 53 30.0	
KHC	Kasperske Hory	57.55	323f	iP	P	13 23 42.6	+0.6
KHC	Kasperske Hory	57.55	323	eS	S	13 25 51.8	+2.7
KHC	Kasperske Hory	57.55	323	AMS	AMS	13 31 33.1	-6.3
KHC	Kasperske Hory	57.55	323f	iP	P	13 23 42.6	+0.6
KHC	Kasperske Hory	57.55	323	eS	S	13 25 51.8	+2.7
KHC	Kasperske Hory	57.55	323	AMS	AMS	13 31 33.1	-6.3
GRA1	Grafenberg Arr	57.55	325	eP	P	13 23 42.3	+0.3
GRF	Grafenberg Arr	57.55	325	eP	P	13 23 42.3	+0.3
GRFO	Grafenberg Arr	57.55	325	eP	P	13 23 42.2	+0.2
GRFO	comp=Z,882nm,1.3s		P	P		13 23 43.5	+1.0
GRFO	Grafenberg Arr	57.55	325	eP	P	13 23 42.3	+0.2
YERR	Yerington	57.56	66	eP	P	13 23 43.5	+1.0
HSTI	Horasan	57.57	297	iP	P	13 23 44.6	+2.0
ZMT	Zlatitsava	57.57	320	eP	P	13 23 42.1	-0.1
ZST	Zlatitsava	57.57	320	e	e	13 25 52.2	
ZST	Zlatitsava	57.57	320	eP	P	13 23 42.1	-0.1
ZST	Zlatitsava	57.57	320	ePP	PP	13 25 52.2	+2.9
ZST	Zlatitsava	57.57	320	eP	P	13 23 41.7	-0.4
IOLA	Glengowla, Co	57.58	341	iP	P	13 23 51.2	+2.9
IOLA	Glengowla, Co	57.58	341	eP	P	13 23 41.7	-0.4
IOLA	Glengowla, Co	57.58	341	eLQ	LQ	13 38 04.2	
SRO	Srobarova	57.62	319	eP	P	13 23 43.4	+0.9
SRO	Srobarova	57.62	319	eP	P	13 23 43.4	+0.9
HGN	Heimangroove	57.65	329	iP	P	13 23 42.7	0.0
HGN	Heimangroove	57.65	329	ePP	PP	13 25 57.4	+7.5
HGN	Heimangroove	57.65	329	ePP	PP	13 27 04.0	
HGN	Heimangroove	57.65	329	eS	S	13 31 47.0	+1.1
SRO2	Moca	57.65	319	eP	P	13 23 42.0	-0.7
SRO2	Moca	57.65	319	eP	P	13 23 42.0	-0.7
KEKH	Kekeha	57.66	112	eP	P	13 23 46.6	+3.5
KEKH	comp=Z,658nm,1.4s		Iamb	Iamb		13 23 46.6	+3.5
EBEN	Eben Ennael	57.67	329	iP	P	13 23 43.0	+0.2

CLDR	Caldrian	57.68	295	iP	P	13 23 45.4	+2.1
WET	Wetzelt	57.70	323	P	P	13 23 43.4	+0.3
MLR	Muntele Rosu	57.70	312	eP	P	13 23 43.7	+0.4
MLR	Muntele Rosu	57.70	312f	iP	P	13 23 44.2	+0.9
MLR	Muntele Rosu	57.70	312	eP	P	13 23 43.7	+0.4
MLR	Muntele Rosu	57.70	312	S	S	13 31 45.0	+3.3
MLR	comp=Z,16nm,1.0s,baz=210,slow=6,SNR=2.2		P	P		13 23 44.2	+0.9
MEM	Membach	57.78	329	iP	P	13 23 43.8	+0.2
MEM	comp=Z,676nm,1.2s		P	P		13 23 43.8	+0.2
GECC	GERESS Array S	57.78	323	eP	P	13 23 43.9	+0.1
GECC	GERESS Array S	57.78	323	eP	P	13 23 43.9	+0.1
GERES	GERESS Array B	57.78	323	eP	P	13 23 42.9	-0.8
GERES	comp=Z,279nm,0.9s,baz=150,slow=6,SNR=292		LR	LR		13 51 56.4	
GEAO	GERESS Array S	57.79	323	eP	P	13 23 42.5	-1.3
SPUT	South Promont	57.81	59	eP	P	13 23 44.8	+0.7
TUTA	Tuta	57.83	296	iP	P	13 23 46.4	+2.0
EYMN	Ely	57.85	40	eP	P	13 23 41.8	-2.3
EYMN	comp=Z,578nm,1.3s		LR	LR		13 51 10.0	
EYMN	comp=Z,104um,21.0s		LR	LR		13 51 10.0	
EYMN	Ely	57.85	40	P	P	13 23 42.7	-1.5
HARR	Harsova	57.86	310f	iP	P	13 23 45.4	+1.2
HARR	Harsova	57.86	310	eP	P	13 23 45.3	+1.1
CHAI	Chaiyaphum	57.87	228	P	P	13 23 44.8	+0.2
ISR	Istrita	57.87	311f	iP	P	13 23 45.8	+1.4
KVN	Kaiserville	57.91	65	eP	P	13 23 45.5	+0.7
KVN	Kaiserville	57.91	65	eP	P	13 23 45.6	+0.7
TLB	Topalu	57.92	310f	iP	P	13 23 44.9	+0.3
TLB	Topalu	57.92	310	P	P	13 23 44.8	+0.2
WAKR	Walker	57.92	67	eP	P	13 23 46.4	+1.4
UCC	Uccle	57.92	330	eP	P	13 23 44.9	+0.3
UCC	Uccle	57.92	330	eP	P	13 23 44.9	+0.3
UCC	Uccle	57.92	330	iP	P	13 23 44.6	0.0
UCC	comp=Z,274nm,1.5s		P	P		13 23 44.6	0.0
RSSD	Black Hills	57.93	51	eP	P	13 23 44.2	-0.8
RSSD	Black Hills	57.93	51	eP	P	13 23 44.2	-0.8
RSSD	Black Hills	57.93	51	eP	P	13 23 44.4	-0.6
RSSD	Black Hills	57.93	51	eP	P	13 23 44.2	-0.8
TIRR	Tirgusor	57.93	310	eP	P	13 23 45.0	+0.4
TIRR	comp=Z,608nm,1.0s		P	P		13 23 45.0	

Table with columns: Name, Address, Phone, Email, Website, and other details. Includes entries like OBKA Obir, MOTA Moosalm, ECH Echery, etc.

Table with columns: Name, Address, Phone, Email, Website, and other details. Includes entries like FURC Furnace Creek, FUORN Ofenpass-Fuorn, G40A Rib Lake, etc.

Table with columns: Name, Address, Phone, Email, Website, and other details. Includes entries like F46A Macinaw City C, CTBH Cotabato-PC H, MLH Mauna Loa, etc.

Table with columns: Call ID, Name, Frequency, Power, Mode, and other technical details. Includes entries like Q24A Divide, J40A Soldiers Grove, E52A Mattawa, etc.

Table with columns: Call ID, Name, Frequency, Power, Mode, and other technical details. Includes entries like I47A Gladwin, K42A Prairie Point, TIR Tirane, etc.

Table with columns: Call ID, Name, Frequency, Power, Mode, and other technical details. Includes entries like FYTO Fytoko, K46A Dorr, SDKM Sandakan, etc.



14d 13h

2013 FEB

1134

Table with multiple columns containing station call signs (e.g., BOM, AAM, AAM), frequencies (e.g., 65.02, 65.03), and other technical details. The table is organized into several vertical columns.



14d 13h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like TXAR, ABA, X48A, CART, etc.

2013 FEB

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like KBKI, Y53A, EMAL, etc.

1136

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like BART, PCALD, GRON, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like SOEI, PLAI, LEM, 758A, GMJ, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like MTDJ, MBWA, MBWA, MBWA, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like UREC, SDV, SDV, SDV, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like IPOC Station P, IPMB Ipanema, PB09 IPOC Station P, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NRN Naryn, NRJ Naryn, KDJ Kajisay, etc.

Table with columns: Code, Station Name, Az, El, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RES Resolva Bay, KURK Kurchatov, KURB Kurchatov, etc.

SOME 14 13:15:30.3, 42.15N-76.20E, h10km
NINC 14 13:15:33.4, 1.9, 42.30N-76.17E, h0km, mb2.2, mpv2.4,
Error ellipse: s-maj=13.6km s-min=7.5km az=176.0
KRNET 14 13:15:29.0, 0.1, 42.15N-76.20E, h18km, mb2.0, 14C-10D,
Lake Issyk-Kul region

Code Station Name Az El Phase ID Time Res ISC h m s ISC
ULHL Ulahof 130.10 181P P Pb 13 15 33.1 +0.5
ULHL 181S S Pb 13 15 35.1 +0.8
BOOM Boomskeye usch 0.39 331 I P Pg 13 15 37.4 -0.8

F40A	comp=Z,140nm,1.2s Park Falls baz=339	60.06	40	P	P	13 28 41.9	-1.6
CWC	Cottonwood Cre baz=33	60.23	66	P	P	13 28 46.7	+1.7
ECSD	EROS Data Cent baz=338	60.40	46	P	P	13 28 45.4	-0.4
E44A	Grand Marais A baz=341	60.40	37	P	P	13 28 45.0	-0.8
VES	Vestal, Richgr baz=334	60.41	68	P	P	13 28 46.9	+0.9
TPNV	Topopah Spring baz=342	60.42	65	P	P	13 28 47.6	+1.4
D46A	Sault St. Mari baz=341	60.57	35	P	P	13 28 45.8	-1.1
BRTR	Keskin Array B comp=Z,23nm,0.8s,baz=19,slow=3.5,SNR=7.7	60.60	303	P	P	13 28 47.7	+0.2
D47A	Chapleau baz=342	60.61	34	P	P	13 28 46.4	-0.8
G40A	Rib Lake baz=339	60.65	40	P	P	13 28 46.3	-1.2
D49A	Beulah Townshi baz=342	60.78	33	P	P	13 28 47.6	-0.7
PKM	Mcpheon Peak baz=334	61.01	69	P	P	13 28 52.5	+2.2
G42A	Mountain baz=340	61.11	39	P	P	13 28 48.7	-1.9
E47A	Iron Bridge baz=342	61.15	35	P	P	13 28 49.7	-1.1
D50A	G1974 Best Tow baz=343	61.19	32	P	P	13 28 50.2	-0.9
H40A	Chili baz=340	61.21	41	P	P	13 28 50.4	-0.9
G43A	Wallace baz=340	61.27	38	P	P	13 28 50.3	-1.4
F46A	Macinaw City C baz=341	61.46	36	P	P	13 28 51.6	-1.4
D52A	ZEK Kipawa Sen baz=343	61.66	31	P	P	13 28 53.3	-1.0
EDW2	Edwards Air Fo baz=334	61.66	67	P	P	13 28 56.0	+1.4
D54A	Lac Fusel, La baz=344	61.83	29	P	P	13 28 54.3	-1.1
I40A	Norwalk baz=340	61.83	41	P	P	13 28 54.7	-0.8
I41A	Arkdale baz=340	61.86	40	P	P	13 28 54.5	-1.2
BLG	Laguna Peak, P baz=334	61.98	68	P	P	13 28 57.9	+1.3
F49A	Sandfield baz=342	62.07	34	P	P	13 28 55.9	-1.2
I42A	Draeger Farm, baz=340	62.26	40	P	P	13 28 57.3	-1.1
J40A	Soldiers Grove baz=340	62.27	41	P	P	13 28 56.8	-1.6
E52A	Mattawa baz=343	62.27	31	P	P	13 28 57.3	-1.1
F51A	Arnstein baz=343	62.36	32	P	P	13 28 57.8	-1.2
BFSC	Mount Baldy Ra baz=335	62.36	67	P	P	13 29 00.9	+1.5
E53A	Dumoine, Ponti baz=344	62.38	30	P	P	13 28 58.3	-0.9
I43A	Langenfeld Bro baz=340	62.45	39	P	P	13 28 58.5	-1.1
J41A	Loganville baz=340	62.48	41	P	P	13 28 59.0	-0.9
K39A	Delwin baz=339	62.62	43	P	P	13 28 59.2	-1.6
ALGO	Algonquin Park baz=344	62.71	31	P	P	13 28 59.8	-1.6
J42A	Columbus baz=340	62.75	40	P	P	13 29 00.3	-1.4
J43A	Natural Harves baz=340	62.86	40	P	P	13 29 00.7	-1.7
BUKO	Buck Lake baz=343	62.93	32	P	P	13 29 02.1	-0.8
KSCO	Kaye Shedlock' baz=337	63.00	53	P	P	13 29 03.9	+0.3
MURC	Murrieta baz=335	63.10	67	P	P	13 29 05.0	+0.8
I47A	Gladwin baz=342	63.18	36	P	P	13 29 04.0	-0.5
I48A	Sherman Twp baz=344	63.20	36	P	P	13 29 03.9	-0.8
IRM	Iron Mountain baz=335	63.32	65	P	P	13 29 07.2	+1.5
PFO	Pinyon Flats O baz=335	63.35	67	P	P	13 29 07.1	+1.1
TPFO	Pinon Flats baz=335	63.36	67	P	P	13 29 07.2	+1.2
BMRO	Meriville Lake baz=343	63.36	34	P	P	13 29 04.4	-1.3
G53A	Halliburton baz=344	63.39	32	P	P	13 29 05.1	-0.8
PDMCI	Parker Dam,Lak baz=335	63.53	64	P	P	13 29 08.2	+1.3
L41A	Preston baz=340	63.57	42	P	P	13 29 05.4	-1.7
ALFO	Alfred baz=345	63.62	29	P	P	13 29 06.4	-1.0
BANO	Bancroft baz=344	63.63	31	P	P	13 29 06.3	-1.2
I49A	Point Hope baz=342	63.64	35	P	P	13 29 05.9	-1.7
Y12C	Blythe baz=335	63.90	65	P	P	13 29 11.0	+1.6
CBKS	Cedar Bluff baz=338	64.05	50	P	P	13 29 09.8	-0.6
I52A	Shelburne baz=343	64.08	33	P	P	13 29 09.7	-0.8
L44A	Lake County Fo baz=341	64.12	40	P	P	13 29 09.6	-1.1
K46A	Dorr baz=341	64.15	38	P	P	13 29 09.3	-1.6
DELO	Deloro Mine baz=344	64.17	31	P	P	13 29 10.1	-1.0
SWSC	Sam W. Stewart baz=335	64.19	66	P	P	13 29 12.8	+1.5
H55A	Tweed baz=344	64.23	31	P	P	13 29 10.6	-0.8
IKP	It-Ko-Pah, Jac baz=335	64.35	67	P	P	13 29 13.8	+1.4
N40A	Mertquake, Sal baz=344	64.40	43	P	P	13 29 11.3	-1.3
GLA	Glamis baz=338	64.43	65	P	P	13 29 14.6	+1.6
I55A	Frankford baz=344	64.45	31	P	P	13 29 12.1	-0.8
DRWO	Darlington Wes baz=344	64.57	32	P	P	13 29 12.8	-0.8
DRCO	St. Marys Ceme baz=344	64.57	32	P	P	13 29 12.9	-0.7
WLVO	Wesleyville baz=344	64.59	32	P	P	13 29 13.1	-0.7
K49A	Clarkson baz=342	64.59	36	P	P	13 29 13.2	-0.7
LONY	Lake Ozonia baz=345	64.65	29	P	P	13 29 13.4	-0.8
PKME	Peaks-Kenny Pk baz=347	64.94	24	P	P	13 29 15.8	-0.2
L47A	Sherwood baz=342	64.96	38	P	P	13 29 13.9	-2.4
O41A	Passleys Farm, baz=340	65.31	43	P	P	13 29 17.0	-1.5
M48A	Edgerton baz=342	65.54	37	P	P	13 29 19.0	-1.0
P41A	Barry, Barry baz=340	65.67	43	P	P	13 29 19.2	-1.6
M49A	Liberty Center baz=342	65.72	37	P	P	13 29 20.1	-1.0
P42A	Winchester baz=340	65.95	43	P	P	13 29 20.9	-1.8
ERPA	Erie baz=343	65.99	34	P	P	13 29 21.7	-1.2
L53A	Girard baz=343	66.09	34	P	P	13 29 22.5	-1.1
M43A	Skaggs, Pawnee baz=341	66.11	42	P	P	13 29 22.3	-1.4
MMAI	Mount Meron Ar comp=Z,23nm,0.7s,baz=35,slow=7.8,SNR=4.7	66.13	299	P	P	13 29 23.8	-0.8
M52A	Chesterland baz=343	66.25	35	P	P	13 29 23.8	-0.8
Q41A	Truxton baz=340	66.31	44	P	P	13 29 24.1	-0.9
ASF	Jabal al Asfar baz=340	66.39	297	P	P	13 29 26.0	+0.2
ASF	Jabal al Asfar comp=Z,36nm,1.0s,baz=336,slow=6.3,SNR=5.2	66.39	297	P	P	13 29 26.0	+0.2

Q42A	Golden Eagle baz=340	66.53	43	P	P	13 29 25.2	-1.2
N50A	Nevalo baz=342	66.58	36	P	P	13 29 24.3	-2.4
Q43A	New Douglas baz=341	66.72	42	P	P	13 29 26.3	-1.3
O49A	Covington baz=342	66.86	38	P	P	13 29 27.1	-1.4
R42A	Luebbering baz=343	67.06	43	P	P	13 29 28.3	-1.5
N53A	Lisbon baz=343	67.06	35	P	P	13 29 28.5	-1.3
P47A	Martinsville baz=340	67.06	39	P	P	13 29 28.3	-1.5
CCM	Cathedral Cave baz=340	67.15	44	P	P	13 29 28.8	-1.5
Q45A	Warren Harvey, baz=342	67.16	41	P	P	13 29 29.0	-1.4
R43A	Red Bud baz=341	67.29	43	P	P	13 29 29.5	-1.7
P48A	Milroy baz=341	67.29	39	P	P	13 29 29.4	-1.9
P49A	Miami Univ. Ec baz=342	67.39	38	P	P	13 29 30.4	-1.5
S41A	Jillico Farms, baz=340	67.45	44	P	P	13 29 30.9	-1.5
O52A	Adamsville baz=343	67.50	36	P	P	13 29 31.0	-1.6
R44A	Waltonville baz=341	67.53	42	P	P	13 29 31.3	-1.5
S42A	Caledonia baz=342	67.54	44	P	P	13 29 31.1	-1.7
S43A	Fulton Ridge, baz=341	67.91	43	P	P	13 29 33.5	-1.7
T41A	Mountain View baz=342	67.96	45	P	P	13 29 34.1	-1.4
T42A	Van Buren baz=340	68.15	44	P	P	13 29 35.3	-1.3
Q51A	Peebles baz=343	68.20	37	P	P	13 29 35.6	-1.4
PAL	Palmdale baz=346	68.28	29	P	P	13 29 36.6	-0.8
R49A	Shelbyville baz=342	68.47	39	P	P	13 29 36.7	-1.9
R51A	Hillsboro baz=343	68.83	38	P	P	13 29 39.6	-1.4
V41A	Mountainview baz=340	69.04	45	P	P	13 29 40.4	-1.8
R53A	Hurricane baz=343	69.18	36	P	P	13 29 41.4	-1.7
EIL	Elat comp=Z,44nm,0.8s,baz=18,slow=5.8,SNR=7.4	69.35	298	P	P	13 29 44.5	+0.3
U45A	Rockin P Farm, baz=341	69.41	42	P	P	13 29 43.8	-0.7
W41B	Gary Mavity, V baz=340	69.58	46	P	P	13 29 44.6	-1.1
T50A	Nancy baz=342	69.75	39	P	P	13 29 45.3	-1.4
S53A	Wilkinson baz=342	69.76	37	P	P	13 29 45.4	-1.4
ABTX	Abilene, Hawle baz=339	69.82	53	P	P	13 29 46.9	-0.3
WVT	Waverly baz=342	69.86	42	P	P	13 29 46.5	-0.8
V45A	Humboldt baz=341	69.93	43	P	P	13 29 47.1	-0.7
X40A	Basin Creek Fa baz=342	70.07	46	P	P	13 29 47.7	-0.9
V46A	Holladay baz=342	70.09	42	P	P	13 29 47.6	-1.2
ESDC	Sonessa Array comp=Z,22nm,1.0s,baz=11,slow=6.1,SNR=5.4	70.16	333	P	P	13 29 49.0	-0.2
V47A	Nunnelly baz=342	70.22	42	P	P	13 29 48.5	-1.0
X43A	Marvell baz=341	70.58	45	P	P	13 29 51.1	-0.6
W46A	Michelle baz=342	70.66	43	P	P	13 29 50.7	-1.5
V49A	McMinnville baz=342	70.69	40	P	P	13 29 51.0	-1.4
Y41A	Eagletree Beard baz=340	70.70	46	P	P	13 29 51.6	-0.9
W47A	Westpoint baz=342	70.75	42	P	P	13 29 51.6	-1.1
OXF	Oxford baz=341	70.97	44	P	P	13 29 53.0	-1.2
Y43A	Makayla and Ka baz=341	71.13	45	P	P	13 29 54.5	-0.6
W49A	Belvidere baz=342	71.21	41	P	P	13 29 54.3	-1.3
PSI	Prapat comp=Z,54nm,0.8s,baz=36,slow=7.0,SNR=8.2	71.23	227	P	P	13 29 55.2	-0.8
X47A	Russelville baz=342	71.30	42	P	P	13 29 55.2	-1.4
TXAR	Lajale Array comp=Z,9.0nm,0.8s,baz=36.5,slow=3.4,SNR=4.3	71.60	57	P	P	13 29 58.7	+0.5
X48A	Hartselle baz=342	71.65	42	P	P	13 29 56.7	-1.5
JCT	Junction City baz=339	71.76	54	P	P	13 29 59.0	0.0
X49A	Woodville baz=342	71.77	41	P	P	13 29 58.0	-0.9
W52A	Murphy baz=343	71.81	39	P	P	13 29 58.3	-0.9
NATX	Nacogdoches baz=340	72.11	49	P	P	13 30 00.9	-0.1
Y49A	Blount Mountai baz=344	72.37	41	P	P	13 30 01.2	-1.4
KMSC	Kings Mountain baz=344	72.38	37	P	P	13 30 01.3	-1.3
Y50A	Piedmont baz=342	72.51	41	P	P	13 30 02.1	-1.3
145A	Houston Renfro baz=341	72.64	45	P	P	13 30 03.3	-0.9
Y51A	Rockmart baz=343	72.67	40	P	P	13 30 02.7	-1.7
Z49A	Columbiana baz=342	72.97	42	P	P	13 30 04.6	-1.5
X56A	White Oak baz=344	73.07	37	P	P	13 30 05.4	-1.3
Z50A	Ashland baz=342	73.07	41	P	P	13 30 05.4	-1.4
Y53A	Monroe baz=343	73.08	39	P	P	13 30 05.7	-1.0
Y54A	Tignal baz=343	73.28	38	P	P	13 30 06.9	-1.0
GOGA	Godfrey baz=343	73.53	39	P	P	13 30 08.4	-1.0
Z53A	Monticello baz=343	73.63	39	P	P	13 30 08.9	-1.1
150A	Eclectic baz=342	73.66	41	P	P	13 30 08.8	-1.4
833A	Chaparral WMA, baz=339	73.90	54	P	P	13 30 11.8	+0.2
152A	Waverly Hall baz=343	73.93	40	P	P	13 30 10.5	-1.3
153A	Fort Valley baz=342	74.17	40	P	P	13 30 12.4	-0.8
250A	Grady baz=342	74.19	42	P	P	13 30 11.7	-1.6
251							



14d 13h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like BTGS Batagay, ATKR Artyk, SEY Seymchan, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like GUN Gumba, AKASO Malin Array Be, KIEV Kiev, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes entries like D46A Sault St. Mari, D47A Chappleau, G40A Rib Lake, etc.





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Includes stations like MASI Maura Aman, Be, JMBI JAMBI, LKSI Lahat, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Includes stations like DZM Mont Dzumac, WRA Warrunganga Arr, ASAR Alice Springs, etc.

IDC 14 14:27:46.5±1.8, 11°30S×165.66E, h0km, mb3.4/3, mb1 3.8/4, mb1mx3.5/50, mbtmp3.6/4, ML4.0/1, Error ellipse: s-maj=52.4km s-min=32.5km az=127.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Includes stations like URZ Urewera, STKA Stephens Creek, ASAR Alice Springs, etc.

IDC 14 14:47:56.7±0.9, 11°43S×164.95E, h0km, mb4.3/12, mb1 4.3/14, mb1mx4.1/45, mbtmp4.2/14, ML4.3/2, Error ellipse: s-maj=23.2km s-min=20.0km az=120.0

NEIC 14 14:47:58.1±0.5, 11°43S×164.98E, h10km, mb4.0/2, Error ellipse: s-maj=12.8km s-min=10.2km az=87.0

ISCJB 14 14:48:02.0±0.6, 11°52S×164.87E±0.08, h34km, mb4.1/14, Error ellipse: s-maj=14.0km s-min=10.0km az=36.6

ISC 14 14:48:01.8±0.7, 11°55S×164.9E±0.1, h34km, n22, ±0.69/19, mb4.0/14, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, STKA Stephens Creek, etc.

IDC 14 14:48:10.5±1.1, 11°44S×165.02E, h0km, mb4.4/12, mb1 4.5/13, mb1mx4.2/43, mbtmp4.4/13, ML4.8/1, Error ellipse: s-maj=28.6km s-min=22.6km az=111.0

ISCJB 14 14:48:14.3±0.8, 11°55S×164.90E±0.10, h34km, mb4.3/12, Error ellipse: s-maj=18.6km s-min=12.0km az=25.7

ISC 14 14:48:15.7±0.9, 11°45S×165.0E±0.1, h34km, n13, ±0.79/16, mb4.2/12, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Includes stations like HNR Honiara, STKA Stephens Creek, WRA Warrunganga Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Includes stations like KSRS Korea Array, CMAR Chiang Mai Arr, etc.

KRNET 14 14:49:17.3±0.1, 43°83N×78°07E, h20km, mb2.4, SOME 14 14:49:18.3, 43°80N×78°07E, h15km, NNC 14 14:49:16.7±0.4, 43.84N×78.06E, h0km, mb2.3, mpv2.5, 16C-6D, Error ellipse: s-maj=3.8km s-min=2.6km az=172.0, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Includes stations like MNBS Baschi, KURS Kurambek, ARXS Arharly, etc.

IDC 14 15:00:08.2±0.5, 10°00S×113.43E, h0km, mb3.3/4, mb1 3.6/4, mb1mx3.3/46, mbtmp3.3/4, Error ellipse: s-maj=134.8km s-min=21.7km az=47.0, South of Jawa

ISC 14 15:03:39.1±49.0, 16°62S×175.25W, h0km, mb3.8/3, mb1 3.9/3, mb1mx3.7/40, mbtmp3.8/3, Error ellipse: s-maj=934.1km s-min=178.9km az=79.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Includes stations like WRA Warrunganga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, etc.

DJA 14 15:04:08.9±1.0, 6°S×4°10'E±, h12km, mb3.8/8, ML3.8/8, ISCJB 14 15:04:09.8±1.1, 5°66S×103.60E±0.07, h33km, mb3.5/4, Error ellipse: s-maj=11.2km s-min=8.6km az=150.7

IDC 14 15:04:13.6±4.5, 3°16S×106.26E, h0km, mb3.4/4, mb1 3.5/4, mb1mx3.3/53, mbtmp3.4/4, Error ellipse: s-maj=25.7km s-min=23.0km az=53.0

ISC 14 15:04:10.0±1.3, 5°61S×103.58E±0.08, h35km, n12, ±0.158/15, mb3.3/4, Southern Sumatara

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Includes stations like LWLI Liwa, KASI Kota Agung, MDSI Maura Dua, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Includes stations like KTMS Ketmen, KTMS Kapalarasan, KAPS Kapalarasan, etc.

IDC 14 15:05:00.8±2.5, 10°00S×113.43E, h0km, mb3.3/4, mb1 3.6/4, mb1mx3.3/46, mbtmp3.3/4, Error ellipse: s-maj=134.8km s-min=21.7km az=47.0, South of Jawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Includes stations like WRA Warrunganga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, etc.

IDC 14 15:03:39.1±49.0, 16°62S×175.25W, h0km, mb3.8/3, mb1 3.9/3, mb1mx3.7/40, mbtmp3.8/3, Error ellipse: s-maj=934.1km s-min=178.9km az=79.0, Tonga Islands

ISC 14 15:03:39.1±49.0, 16°62S×175.25W, h0km, mb3.8/3, mb1 3.9/3, mb1mx3.7/40, mbtmp3.8/3, Error ellipse: s-maj=934.1km s-min=178.9km az=79.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s ISC. Includes stations like STKA Stephens Creek, WRA Warrunganga Arr, ASAR Alice Springs, etc.

YARS 14 15:07:53.3±0.2, 67°67N±0°01×142°32E±0°03, h10km, Eastern Siberia

MOMR Moma 1.26 16Z Op P 15 08 16.4 -0.5 MOMR comp=2.4, 0nm, 0.2s Smax Sb 15 08 16.4

YBGR Belaya Gora 1.69 57 eP P 15 08 23.9 -0.5 YBGR comp=2.35nm, 0.3s eS Sb 15 08 23.9

BTGS Batagay 2.93 273 eS Sb 15 09 23.8 +2.4 BTGS comp=N, 10.0nm, 0.4s

BUI 14 15:08:31.6, 67°59N×143°19E, h11km, mb5.4/22, mb4.9/59, Ms5.0/16, Ms7.4/8/16

IDC 14 15:08:33.0±0.4, 67°51N×142°83E, h0km, mb5.6/38, mb1 4.7/40, mb1mx4.7/52, mbtmp4.6/40, ML4.3/2, Error ellipse: s-maj=11.2km s-min=9.4km az=142.0







14d 15h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like KSP, RLMT, RLMT, KIS, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like DRGR, DOPR, BW06, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like PSUT, MYKA, SQTA, etc.



14d 15h

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like NORARS Array S, NA001 NORARS Array S, FCC Fort Churchill, etc.

DJA 14:15:09:13.0, 3.2, S, 3.3, 10.3E, h10km, M3.5/12, MLV3.5/12, Southern Sumatra

IDC 14:15:14:53.9, 0.4, 6.7, 55N, 142.89E, h0km, mb4.5/34, mb1 4.7/35, mb1mx4.6/44, mbtmp4.5/35, ML 4.1, 1.1, M3.4/5.2, Ms1 4.6/2, ms1mx3.9/41, Error ellipse: s-maj=12.4km s-min=9.9km az=162.0

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res. Includes stations like MOMR Moma, YBGR Belaya Gora, etc.

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Main table with columns: Station Name, Az, El, Phase ID, Time, Res. Includes stations like YBGR, BTGS Batagay, ATKR Artyk, etc.

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Table with columns: Station Name, Az, El, Phase ID, Time, Res. Includes stations like TRF Thorafore Moun, WRH Wood River Hill, SONA1 Sogino Array, etc.



14d 15h

2013 FEB

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like DPC Dobruska-Polom, BRG Bergjesshubel, KRLC Kralky, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like WET Weltzell, MLR Muntele Rosu, MLR Muntele Rosu, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes stations like BR131 Keskin Array S, BRTR Keskin Array B, BRTR Keskin Array C, etc.









Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like KCP Kidapawan, WRAB Tennant Creek, WRI Warramunga Arr, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MDSI Maura Dua, TPUB Ta-pu, LWLI Liwa, YOJ Yonaguni jima, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like MAJO Matsushiro, MAJO Matsushiro, MAT Matsushiro, etc.



14d 16h

Table with columns: ID, Name, Value, Unit, Type, Date, Time, etc. Includes rows for MENT, FYU, EGAK, RAYN, RAYN, DAWY, EPYK, GNI, PRGR, ZEI, INK, KIV, VRH, KLMR, TCMR, VSR, LPSR, LVZ, OBN, APA, I02D, ARAD, ARCES, G03D, E04D, M04C, FIASO, FINES, YKA, NVAR, BW06, O20A, S22A, RSSD, 121A, ISCO, ANMO, ANMO, ANMO, Q24A, SDCO, SDCO, T25A, MNTX, MNTX, ULM, MSTX, MSTX, TX31, TX31, LTX, LTX, TXAR, AMTX, CBKS, BGNE, ECSD, ECSD, EYMN, F37A, ABTX, WMOK, WMOK, WMOK, K5U1, F38A, JCT, JCT, JCT, H38A, G38A, E39A, F39A, G39A, E40A, H39A.

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Table with columns: ID, Name, Value, Unit, Type, Date, Time, etc. Includes rows for F40A, I39A, I39A, G40A, J39A, H40A, TUL1, TUL1, F41A, L39A, I40A, J40A, M39A, H41A, E42A, E40A, I41A, L40A, G42A, J41A, JFWS, E43A, L41A, F43A, F44A, N41A, L42A, J43A, O41A, W39A, W39A, P41A, M42A, E45A, N42A, U40A, Q41A, K43A, L43A, MIAR, MIAR, D46A, R41A, S41A, P42A, P42A, E46A, CCM, CCM, CCM, N43A, T41A, Q42A, HDIL, R42A, L44A, U41A, G46A, V41A, E47A, S42A, P43A, W41B, M44A, L45A, T42A, T42A, FVM, FVM, SCHO, SCHO, Q43A, U42A, R43A, V42A, G47A, MATO, S43A, T43A, P44A, PBMO, F48A, I48A, M46A, SFIN, P45A, LSQQ, D50Q, K47A, Q45A, E50A.

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Table with columns: ID, Name, Value, Unit, Type, Date, Time, etc. Includes rows for OLIL, R45A, D51A, L47A, J48A, CHGO, VLDQ, I49A, E51A, O47A, J49A, L48A, F51A, P47A, W45A, L49A, D53A, T46A, OXF, Q47A, E52A, F52A, O48A, M49A, ES19, R47A, N49A, N49A, V46A, S47A, P48A, D54A, WVT, WCI, E53A, Q48A, L50A, ALGO, E54A, U47A, M09A, M50A, V47A, P49A, G53A, S48A, T48A, Q49A, W47A, N50A, X47A, U48A, O50A, PEMO, S48A, BANO, V48A, V48A, P50A, S49A, W48A, T49A, T49A, TRYO, DWNO, U49A, M52A, PLVO, G55A, X48A, X48A, DELO, WLVO, P51A, Y48A, LATQ, N52A, Q51A, I55A, H55A, S50A, W49A, T50A, M53A, X49A, ALFO, U50A.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like P52A Corning, LRAL Lakeview Retre, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like PTBC PUERTO BERRIO, SDDR Presa de Saban, etc.

ISCJB 14 16:54:43.7,0.6,67.62N,0.05:142.4E:0.1, h10km, mb3.5, Error ellipse: s-maj=7.4km s-min=6.8km

IDC 14 16:54:43.4,2.7,67.75N:142.40E, h0km, mb3.6/3, mb1.3/7.3, mb1mx3.3/5.0, mbtmp3.6/3, Error ellipse: s-maj=96.0km s-min=29.0km az=169.0

MOS 14 16:54:43.2,1.4,67.71N:142.40E, h10km, mb4.4/1, Error ellipse: s-maj=48.8km s-min=20.3km az=94.2

YARS 14 16:54:44.7,0.3,67.62N,0.01:142.60E:0.04, h8km, ISC 14 16:54:44.0,8.67,52N:0.05:142.52E:0.04, h10km, n13, r185/18, mb3.6/3, Eastern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like MOMR Moma, YBGR Belaya Gora, etc.

ISCJB 14 16:56:20.2,0.3,22.36N,0.03:5.98E:0.06, h10km, mb4.3/42, Error ellipse: s-maj=8.6km s-min=4.3km az=17.9

IDC 14 16:56:20.6,1.0,22.57N:5.85E, h0km, mb4.1/10, mb1.4/5.15, mb1mx4.1/4.9, mbtmp4.3/15, ML4.6/5, Error ellipse: s-maj=28.0km s-min=20.4km az=124.0

LDG 16:56:21.3,0.3,22.42N:6.13E, h2km, M5.4/3, ms3.5/1, Error ellipse: s-maj=10.1km s-min=7.8km az=80.0

NEIC 14 16:56:22.0,4.2,22.46N:5.89E, h10km, mb4.5/15, Error ellipse: s-maj=9.7km s-min=6.3km az=106.0

INMG 14 16:56:47.4,25.38N:6.72E, h15km, ISC 14 16:56:21.7,0.5,22.42N:0.05:5.80E:0.07, h10km, n101, c278/106, mb4.5/42, Southern Algeria

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like TAM Tamarrasset, KEST Kesra, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like PMRV Marv???, PCBR Castelo Branco, etc.

YARS 14 17:02:47.4,0.3,67.62N,0.02:142.59E:0.04, h10km, Eastern Siberia

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like MOMR Moma, YBGR Belaya Gora, etc.





Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

IDC 14 17:17:08.5-1.5, 36.62N:141.80E, h0km, mb3.8/4, mb1.3/8.8, mb1tmx3.6/59, mbmtm3.8/8, ML2.3/4, Error ellipse: s-maj=35.5km s-min=19.6km az=75.0

KRNET 14 17:14:14.4-0.1, 42.59N:79.64E, h16km, mb2.3 NNC 14 17:14:15.4-1.4, 42.68N:79.69E, h16km, mb2.8, mpv2.5, Error ellipse: s-maj=9.5km s-min=5.3km az=154.0

SOME 14 17:14:16.9, 42.75N:79.65E, h15km ISC 14 17:14:14.5-1.7, 42.65N:0.05-79.70E:0.04, h4km, 11km, n33, e1870/60, 10C-12D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.



Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like KIV Kislovodsk, NCK Nalchik, KBZ Khabaz, NEY Neytrino, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like RAYN Ar Rayn, LTX Lajitas, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like RPZ Rata Peaks, MKAR Makanchi Array, etc.



Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PSI Prapat, PSI Prapa, PSI Gunungsitoli, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like PKI Pulchoki, PKIN Pulchoki, DMN Damai, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like YAK, MA2, GEYT, GYA0B, etc.

ISC/JB 14 19:10:31.8; 0.7, 10.73S; 0.08; 112.52E; 0.06, h28km, mb3.6/6, Error ellipse: s-maj=11.9km s-min=7.3km az=22.3
IDC 14 19:10:31.5; 2.5, 10.29S; 113.15E, h0km, mb3.6/6, mb1.3/8.7, mb1mx3.5/5.1, mb1mp3.6/7, ML3.6/1, Error ellipse: s-maj=133.7km s-min=17.3km az=50.1
DJA 14 19:10:33.0; 9.1, 11.1S; 10.11E, h10km, M4.0/13, mb4.2/4, mb5.3/1, MLV3.9/13, Mw(mB)4.7/1
ISC 14 19:10:34.1; 1.0, 10.7S; 0.1; 112.58E; 0.09, h28km, m20, e080/19, mb3.7/6, South of Java
Code Station Name Az Phase ID Time Res





















14d 23h

Table with columns: Station Name, Frequency, Power, Mode, Azimuth, Elevation, and other technical details. Includes stations like DANN Danging, MNAS Manas, RES Resolute Bay, etc.

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Table with columns: Station Name, Frequency, Power, Mode, Azimuth, Elevation, and other technical details. Includes stations like ZEI, TBLG Delisi, U15A North Rim, etc.

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Table with columns: Station Name, Frequency, Power, Mode, Azimuth, Elevation, and other technical details. Includes stations like ESDC Sonseca Array, TORO Torodi Ar, LCO Las Campanas, etc.



15d 1h

Table with columns: SATY, Station Name, Az, Phase ID, Time, Res. Includes stations like Saty, Taragay, Ala-Archa, Oshpenovka, etc.

IDC 15 00:10:09.6:1.9,7.73S:128.25E,h0km,mb3.3/1, mb1 3.7/4,mb1mx3.5/27,mbtmp3.6/4,ML3.7/3,Error ellipse: s-maj=53.0km s-min=31.2km az=71.0, Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Baumata, Warramunga Arr, Alice Springs, Makanchi Array, etc.

SJA 15 00:23:57.0:7.0,26.05S:66.06W,h236km,12km,ML3.2, MW3.7,Catamarca Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like San Lorenzo, Choyo, CERRO LA CRUZ, GUANDACOL, PUNTA DE LOS L, etc.

IDC 15 00:24:38.3:1.2,11.43S:165.53E,h0km,mb3.8/8, mb1 4.0/9,mb1mx3.8/33,mbtmp3.8/9,ML3.9/1,Error ellipse: s-maj=39.0km s-min=22.8km az=133.0

ISCJB 15 00:24:40.4:0.8,11.6S:0.1x165.5E:0.2,h24km,mb3.7/7, Error ellipse: s-maj=22.2km s-min=16.2km az=15.5

ISC 15 00:24:42.1:0.9,11.5S:0.1x165.5E:0.2,h24km,n15, c0592/10,mb3.6/7,Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM, CTA, H11S2, H11S3, H11S1, H11N1, H11N3, WRA, ASAR, CMAR, SONM, ILAR, MKAR, PDAR, etc.

SJA 15 00:28:49.8:0.5,31.25S:68.33W,h107km,22km,ML3.4, MW3.8,San Juan Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Cerro Villicu, San Juan, MOGNA, Coronel Fontan, Cerro Valdivia, Cerro Coronel, Leonicito, Cuesta del Vie, Uspallata, Salagasta, Cantantal, Rodero, CERRO ARCO, PUNTA DE LOS L, San Martin, etc.

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ISCJB 15 00:53:38.1:0.8,10.8S:0.1x164.9E:0.1,h10km,mb3.9/9, MS3.2/1,Error ellipse: s-maj=21.7km s-min=14.1km az=17.3

IDC 15 00:53:38.5:1.1,10.63S:164.83E,h0km,mb3.9/10, mb1 4.1/11,mb1mx3.9/27,mbtmp3.9/11,ML4.0/1,MS3.3/2, MS1 3.3/2,ms1mx2.8/18,Error ellipse: s-maj=37.9km s-min=18.8km az=124.0

ISC 15 00:53:39.4:0.8,10.81S:0.09x165.0E:0.2,h10km,n19, c1952/12,mb3.9/9,Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR, DZM, CTA, H11S2, H11S3, H11S1, STKA, H11N1, H11N3, WRA, ASAR, PETK, CMAR, SONM, ILAR, MKAR, PDAR, ESDC, etc.

NNC 15 01:17:32.1:7.5,39.48N:71.18E,h0km,mb3.2,mpv2.9, 4C-1D,Error ellipse: s-maj=72.7km s-min=30.1km az=16.0,Tajikistan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SFK, MNAS, MKK31, etc.

KRNET 15 01:17:39.7:0.1,40.04N:75.54E,mb3.5 SOME 15 01:17:40.2,40.00N:75.65E,h25km

ISCJB 15 01:17:41.3:0.8,39.35N:0.05x75.58E:0.05,h10km,Error ellipse: s-maj=7.0km s-min=4.1km az=51.4

NNC 15 01:17:41.7:1.1,40.10N:75.58E,h0km,mb3.8,mpv3.4, Error ellipse: s-maj=9.6km s-min=4.7km az=147.0

ISC 15 01:17:39.3:1.3,39.39N:0.06x75.69E:0.04,h10km,n59, c2503/84,20C-19D,Southern Xinjiang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NNR, SFK, SFK, SFK, KZA, KZA, ARLS, ARLS, ULHL, ULHL, ULHL, TARG, TARG, UCH, UCH, UCH, KDJ, KDJ, ARSB, ARSB, BOOM, BOOM, AML, AML, AML, KBK, AAK, AAK, FRU1, FRU1, FRU1, TKM2, TKM2, TKM2, DRK, DRK, DRK, EKS2, etc.

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Table with columns: KST, Station Name, Az, Phase ID, Time, Res. Includes stations like Kastek, Maitube, Maitube, Degeres, Degeres, DGS, MRKS, MRKS, MDOK, MDOK, MDOK, MDOK, MDOK, KOTS, KOTS, KOTS, MNAS, MNAS, MNAS, MNAS, SATY, SATY, SATY, SATY, KTBS, KTBS, KTBS, KUU, KUU, KUU, PDGK, PDGK, PDGK, PDGK, ARXS, ARXS, ARXS, ARXS, KK31, DJR, DJR, DJR, KAPS, KAPS, KAPS, KAPS, etc.

IDC 15 01:29:34.2:5.5,10.54S:121.29E,h0km,mb3.5/2, mb1 3.3/4,mb1mx3.2/36,mbtmp3.3/4,ML3.2/2,Error ellipse: s-maj=228.1km s-min=29.7km az=51.0,Savu Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, ASAR, MKAR, KURBB, etc.

IDC 15 01:38:12.8:1.7,2.96S:130.26E,h0km,mb3.2/2, mb1 3.3/4,mb1mx3.1/53,mbtmp3.1/4,ML2.8/2,Error ellipse: s-maj=55.0km s-min=23.4km az=94.0,Seram

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SIJI, SIJI, WRA, ASAR, MKAR, etc.

IDC 15 01:41:59.4:3.8, 67.24N:143.17E, h0km, mb3.2/5, mb1 3.4/5, mb1mx3.2/72, mbtmp3.2/5, Error ellipse: s-maj=174.8km s-min=21.7km az=165.0  
 IS/CJB 15 01:42:00.4:0.6, 67.58N:0.05:142.9E:0.1, h10km, mb3.2/5, Error ellipse: s-maj=8.3km s-min=6.4km az=40.8  
 YARS 15 01:42:01.3:0.2, 67.59N:0.01:142.96E:0.03, h10km  
 ISC 15 01:42:01.4:0.8, 67.49N:0.06:143.07E:0.05, h10km, n8, c0994/13, mb3.1/5, Eastern Siberia

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Op	ISC	h	m	s	ISC	Time	Res
MOMR	Moma	1.03	177	eP	Pn	Pn	01	42	21.2	-0.6			
MOMR	comp=Z, 116nm, 0.3s												
MOMR	comp=E, 734nm, 0.5s												
YBGR	Belaya Gora	1.57	47	eP	Pn	Pn	01	42	28.8	-0.5			
YBGR	comp=Z, 36nm, 0.2s												
YBGR	comp=N, 412nm, 0.3s												
BTGS	Butagay	3.23	277	eP	Pn	Pn	01	42	51.9	-0.2			
BTGS	comp=N, 0.1nm, 0.3s, baz=41, slow=7.7, SNR=1.5												
BTGS	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
BTGS	comp=N, 145nm, 0.6s												

PGC 15 02:24:47.8:0.5, 40.574N:130.30W, h10km, MLN3.0/20, Mw3.0/20, 204km west of Pt. Hardy, Bc Vancouver Island, Canada Region, Vancouver Island region

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Op	ISC	h	m	s	ISC	Time	Res
BPBC	Brooks Peninsula	1.65	100	Op	Pn	Pn	02	25	14.1	-2.8			
PACB	Port Alice, BC	1.79	90	Pn	Pn	Pn	02	25	16.3	-2.4			
PACB	comp=N, 0.1nm, 0.3s, baz=41, slow=7.7, SNR=1.5												
PHC	Port Hardy	1.84	82	Pn	Pn	Pn	02	25	36.6	-4.8			
PHC	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
HG4B	Hot Spring	1.91	343	Pn	Pn	Pn	02	25	18.9	-1.5			
HG4B	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
MAYB	Maynard	2.00	91	Pn	Pn	Pn	02	25	19.8	-2.1			
MAYB	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
EDB	Eliza Dome	2.13	105	Pn	Pn	Pn	02	25	43.0	-3.9			
EDB	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
BBB	Bella Bella	2.19	38	Pn	Pn	Pn	02	25	22.3	-1.9			
BBB	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
TLCB	Telegraph Cove	2.21	87	Pn	Pn	Pn	02	25	47.2	-4.3			
TLCB	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
HG3B	Hot Spring	2.23	342	Pn	Pn	Pn	02	25	23.1	-1.6			
HG3B	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
BNN	Barry Inlet	2.29	337	Pn	Pn	Pn	02	25	48.4	-3.4			
WOSB	Woss	2.41	96	Pn	Pn	Pn	02	25	23.9	-1.9			
NCRB	Newcastle Ridge	2.83	103	Pn	Pn	Pn	02	25	29.8	-1.7			
GDR	Gold River	2.83	103	Pn	Pn	Pn	02	25	29.8	-1.7			
MOBC	Moresby Island	2.87	339	Pn	Pn	Pn	02	25	31.4	-0.8			
MOBC	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
BCBC	Bella Coola	2.92	48	Pn	Pn	Pn	02	26	05.4	-2.8			
DIB	Dawson Inlet	3.05	335	Pn	Pn	Pn	02	26	06.8	-2.8			
CBB	Campbell River	3.19	96	Pn	Pn	Pn	02	26	06.8	-2.8			
CBB	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
BTB	Buttle Lake	3.24	106	Pn	Pn	Pn	02	26	05.4	-2.8			
TXB	Tuxada	3.85	99	Pn	Pn	Pn	02	26	06.8	-2.8			
MTB	Mount Grey	3.92	110	Pn	Pn	Pn	02	26	06.8	-2.8			
YOB	Youbou, Lake C	4.22	110	Pn	Pn	Pn	02	26	06.8	-2.8			
SHB	Seche	4.23	99	Pn	Pn	Pn	02	26	06.8	-2.8			
PFB	Port Renfrew	4.26	114	Pn	Pn	Pn	02	26	06.8	-2.8			
FSB	Fort Saint Jam	5.44	40	Pn	Pn	Pn	02	26	06.8	-2.8			
MBW	Mount Baker	5.71	104	Pn	Pn	Pn	02	26	13.1	+0.3			

ISC/JB 15 02:26:57.8:0.3, 59.53N:0.03:153.11W:0.07, h113km, mb3.8/2, Error ellipse: s-maj=6.8km s-min=3.6km az=36.9  
 IDC 15 02:26:58.0:2.1, 59.53N:153.44W, h83km, mb3.8/2, mb1 3.4/6, mb1mx3.0/55, mbtmp3.6/6, Error ellipse: s-maj=33.2km s-min=15.3km az=113.0  
 NEIC 15 02:27:00.1:0.0, 59.54N:153.19W, h99km, ML3.1(AEIC), After AEIC

ISC 15 02:26:59.1:0.9, 59.54N:0.04:153.16W:0.05, h105km, mb3.8/2, n70, c0991/80, Southern Alaska

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Op	ISC	h	m	s	ISC	Time	Res
AUL	Augustine Lava	0.21	221	Op	Pn	Pn	02	27	13.8	-0.2			
AUL	comp=N, 0.3s, baz=304, slow=12, SNR=15												
AUE	Augustine Isla	0.21	210	Pn	Pn	Pn	02	27	13.6	-0.4			
AUW	Augustine West	0.23	222	Pn	Pn	Pn	02	27	13.9	-0.2			
ILS	Iliamna Low So	0.42	7	Pn	Pn	Pn	02	27	14.5	-0.6			
ILW	Iliamna Volcan	0.52	2	Pn	Pn	Pn	02	27	15.1	-0.4			
ILW	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
HOM	Homer	0.78	81	Pn	Pn	Pn	02	27	18.1	+0.4			
HOM	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
FONW	Fourpeaked Sta	0.81	209	Pn	Pn	Pn	02	27	17.7	-0.4			
RDWJ	Redoubt West	0.96	10	Pn	Pn	Pn	02	27	19.4	-0.3			
RDWJ	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
RJWH	Redoubt Jeurge	1.07	10	Pn	Pn	Pn	02	27	20.6	-0.2			
RJWH	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
BRLK	Bradley Lake	1.18	78	Pn	Pn	Pn	02	27	21.6	-0.3			
BRLK	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
KAHG	Katmai Hook Gl	1.27	215	Pn	Pn	Pn	02	27	22.9	-0.1			
SPCR	Spurr Chataca	1.73	16	Pn	Pn	Pn	02	27	34.8	-0.8			
KELA	Mount Kelaz	1.73	231	Pn	Pn	Pn	02	27	28.3	-0.3			
SPWE	Spurr West	1.76	10	Pn	Pn	Pn	02	27	29.4	+0.5			
SLKM	Skliak Lake	1.77	55	Pn	Pn	Pn	02	27	29.2	+0.3			
SPBG	Spurr Blockage	1.77	13	Pn	Pn	Pn	02	27	29.3	+0.3			
KDAK	Kodiak Island	1.79	170	Pn	Pn	Pn	02	27	28.2	-1.0			
KDAK	comp=N, 0.3s, baz=3, slow=12, SNR=481												
ANCK	Angle Creek	1.81	223	Pn	Pn	Pn	02	27	29.5	-0.8			
CAHL	Cathlamet	1.82	49	Pn	Pn	Pn	02	27	30.2	-0.0			
CNTC	Contact Creek	1.91	229	Pn	Pn	Pn	02	27	30.6	-0.2			
KJL	Kejuilik	1.95	221	Pn	Pn	Pn	02	27	31.5	+0.2			
SEW	Seward	1.96	72	Pn	Pn	Pn	02	27	31.6	+0.3			
SVW2	Sparrevohn	1.97	323	Pn	Pn	Pn	02	27	31.0	-0.5			
SUA	Susitna One	2.27	31	Pn	Pn	Pn	02	27	36.2	+0.8			
SUA	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
RC01	Rabbit Creek A	2.31	46	Pn	Pn	Pn	02	27	35.9	+0.1			
RC01	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
OHAK	Old Harbor	2.33	182	Pn	Pn	Pn	02	27	34.7	-1.3			
PTE	Portage	2.46	56	Pn	Pn	Pn	02	27	37.8	+0.1			
PLK1	Peulik 1	2.51	227	Pn	Pn	Pn	02	27	38.2	+0.4			
PLK4	Peulik 4	2.54	22	Pn	Pn	Pn	02	27	39.3	+0.3			
PWL	Port Wells	2.75	59	Pn	Pn	Pn	02	27	41.0	-0.6			
PWL	comp=N, 0.2nm, 0.5s, baz=231, slow=38, SNR=2.2												
PMR	Palmer	2.86	42	Pn	Pn	Pn	02	27	43.0	-1.1			
KNK	Knik Glacier	2.89	49	Pn	Pn	Pn	02	27	44.1	-0.7			
SH	Stikine Isian	3.04	191	Pn	Pn	Pn	02	27	45.1	-1.4			
SML	Sawmill	3.29	44	Pn	Pn	Pn	02	27	48.0	-0.7			
PPLA	Paykeypile	3.40	8	Pn	Pn	Pn	02	27	51.1	+0.7			
JKP	Jack Peak	3.60	62	Pn	Pn	Pn	02	27	52.0	-0.9			
TT01	Tatalina	3.65	339	Pn	Pn	Pn	02	27	53.1	-0.4			
SCM	Sheep Creek Mo	3.94	26	Pn	Pn	Pn	02	27	53.6	-0.4			
HUR	Harriet	4.84	25	Pn	Pn	Pn	02	27	56.9	+0.7			
CAST	Castle Rocks	3.92	7	Pn	Pn	Pn	02	27	54.7	+0.1			
DIV	Divide	4.00	63	Pn	Pn	Pn	02	27	57.9	-0.5			
KLU	Klutina	4.08	58	Pn	Pn	Pn	02	27	58.8	-0.6			
TRF	Thorofare Moun	4.16	18	Pn	Pn	Pn							





Table with columns: Call Sign, Name, Frequency, Mode, Power, SNR, and other technical details. Includes stations like KIP Kipapa, HLK Halekalea, BBOO Buckleboo, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, SNR, and other technical details. Includes stations like GIRL Giralia, CTBH Cotabato, MAJO Matsushiro, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, SNR, and other technical details. Includes stations like EDW2 Edwards Air Fo, LEM Lembang, ISA Isabella, Lake, etc.

15d 3h

Table with columns: ID, Name, Time, Distance, Altitude, etc. Includes entries like HUMO Hull Mountain, M04C Macdoel, RYN Ryan, etc.

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Table with columns: ID, Name, Time, Distance, Altitude, etc. Includes entries like LON Longmire, LON Longmire, ELK Elko, etc.

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Table with columns: ID, Name, Time, Distance, Altitude, etc. Includes entries like SRU San Rafael Swe, PMR Palmer, PMR Palmer, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like MCK McKinley, O20A White River Ci, REDW Red Top Meadow, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like GCMT Greycliff, AMTX Amarillo, AMTX Amarillo, PSI Prapat, BJT Baijiatatau, BJI Beijing, etc.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like XAN Xian, XAN Xian, XAN Xian, XAN Xian, XAN Xian, etc.

15d 3h

YKA	baz=249	94.53	24	P	P	03 15 34.5 +0.1
YKA	comp=Z,4.2nm,0.7s,ba=238,slow=4.3,SNR=60	PP				03 19 27.0 +3.6
YKA	comp=Z,1.1nm,0.9s,ba=231,slow=7.9,SNR=44	PKKPP				03 22 33.5 -1.8
YKA	comp=Z,0.3nm,0.5s,ba=249,slow=2.1,SNR=9.3	LR	LR			03 49 46.8
YKBS	comp=Z,22nm,21.9s,ba=245,slow=30	LR				
YKWB	Yellowknife Ar	94.53	24	eP	P	03 15 33.8 -0.7
YKWB	Yellowknife Ar	94.57	24	eP	P	03 15 34.8 +0.1
X41A	Kaden, Bauxite	94.60	55	P	P	03 15 35.5 0.0
MDND	Maddock	94.76	41	eP	P	03 15 36.5 +0.5
MDND	Maddock	94.76	41	P	P	03 15 35.8 -0.1
UALR	University of	94.83	55	eP	P	03 15 36.6 +0.1
Y42A	Garnett, Star	94.93	56	P	P	03 15 37.9 +0.9
U40A	Velville	95.00	53	P	P	03 15 37.0 -0.3
ECSD	EROS Data Cent	95.04	45	eP	P	03 15 37.5 +0.1
ECSD	EROS Data Cent	95.04	45	P	P	03 15 37.5 +0.1
W41B	Gary Mavity, V	95.05	55	eP	P	03 15 38.2 +0.7
W41B	Gary Mavity, V	95.05	55	P	P	03 15 37.9 +0.4
LZH	Lanzhou	95.12	306	eP	PP	03 15 39.6 +1.5
LZH				PP	PP	03 15 59.5 +1.1
LZH				SP	SP	03 16 07.4 +0.9
LZH				PP	PP	03 19 31.4 +2.6
LZH				SKS	SKS	03 26 06.5 -1.0
LZH				S	S	03 26 46.0 -1.2
LZH				sS	sS	03 27 20.6 -0.8
LZH				SS	SS	03 33 14.1 -1.1
LZH				SS	SS	03 33 14.1 -1.1
LZH	comp=Z,49nm,1.4s				pmx	pmx
LZH	comp=Z,500nm,9.0s				LR	LR
LZH	comp=Z,670nm,17.0s				LR	LR
LZH	comp=Z,610nm,17.3s				LR	LR
Z43A	comp=Z,2.0m,20.3s	95.14	57	P	P	03 15 38.2 +0.2
X42A	Armstrong Farm	95.14	57	P	P	03 15 38.8 0.0
X42A	Stuttgart	95.31	55	P	P	03 15 38.8 0.0
W41M	Mountainview	95.33	54	P	P	03 15 38.5 -0.3
VBMS	Vicksburg	95.38	58	P	P	03 15 39.7 +0.6
Y43A	Makayla and Ka	95.63	56	P	P	03 15 40.8 +0.6
W42A	Bald Knob	95.64	55	P	P	03 15 40.8 +0.6
OTAV	Otavallo	95.65	92	P	P	03 15 42.9 +1.5
OTAV					pmx	pmx
U41A	Viola	95.70	54	P	P	03 15 40.5 0.0
LVC	Limon Verde	95.89	116	eP	P	03 15 42.8 +0.6
LVC	Limon Verde	95.89	116	eP	P	03 15 45.0 +2.7
LVC					pmx	pmx
LVC					pmx	pmx
Y45A	Cord	95.92	54	P	P	03 15 41.3 -0.2
142A	Houston Renfro	95.97	58	P	P	03 15 42.3 +0.4
PB01	IPOC Station P	96.04	115	eP	P	03 15 43.7 +1.1
T41A	Mountain View	96.06	53	P	P	03 15 41.9 -0.2
U42A	Reviden	96.22	54	P	P	03 15 42.7 -0.1
S41A	Jillico Farms	96.26	52	P	P	03 15 42.9 -0.2
FFC	Flin Flon	96.31	34	eP	P	03 15 42.8 +0.1
FFC	Flin Flon	96.31	34	P	P	03 15 42.9 +0.1
PB11	IPOC Station P	96.41	114	eP	P	03 15 45.3 +1.0
T42A	Van Buren	96.56	53	P	P	03 15 44.4 0.0
T42A	Van Buren	96.56	53	P	P	03 15 44.1 -0.3
MNMC	Minye Minye	96.71	113	eP	P	03 15 47.0 +1.1
R41A	Rosebud	96.78	52	P	P	03 15 44.8 -0.6
CCM	Cathedral Cave	96.80	52	eP	P	03 15 45.3 -0.1
CCM	Cathedral Cave	96.80	52	eP	P	03 15 45.3 -0.1
CCM					pmx	pmx
CCM					pmx	pmx
CCM	comp=Z,41nm,1.3s	96.80	52	P	P	03 15 44.6 -0.8
U43A	Rector	96.86	54	P	P	03 15 45.6 -0.1
W44A	Shelby Farms P	96.91	55	P	P	03 15 45.6 -0.4
OXF	Oxford	97.02	56	P	P	03 15 45.4 -1.0
S42A	Caledonia	97.03	53	P	P	03 15 46.2 -0.3
Q41A	Truxton	97.11	51	P	P	03 15 46.7 -0.1
ULN	Ulanbaatar	97.13	318	eP	P	03 15 46.2 -0.7
ULN	Ulanbaatar	97.13	318	eP	P	03 15 47.5 +0.5
ULN					pmx	pmx
ULN					pmx	pmx
T43A	Greenville	97.19	53	P	P	03 15 46.9 -0.3
R42A	Luebbing	97.20	52	P	P	03 15 47.0 -0.3
M39A	Webster	97.28	49	P	P	03 15 47.5 0.0
147A	Livingston	97.32	58	P	P	03 15 47.9 0.0
FVM	French Village	97.38	52	eP	P	03 15 48.5 +0.3
FVM	French Village	97.38	52	eP	P	03 15 48.5 +0.3
FVM					pmx	pmx
W45A	Hickory Valley	97.40	55	P	P	03 15 48.4 +0.1
P41A	Barry, Barry	97.47	51	P	P	03 15 48.3 -0.1
N40A	Mertquaque, Sal	97.50	49	P	P	03 15 47.9 -0.6
343A	Fulton Ridge	97.51	53	P	P	03 15 48.4 -0.3
S0N1	Songino Array	97.53	318	eP	P	03 15 48.6 -0.1
S0N1	Songino Array	97.54	318	eP	P	03 15 49.0 +0.3
S0NM	Songino	97.54	318	eP	P	03 15 49.1 -2.2
S0NM					PP	PP
449A	Pace	97.56	60	P	P	03 15 48.9 -0.1
Q42A	Golden Eagle	97.61	51	P	P	03 15 49.2 +0.1
L39A	Vinton	97.62	48	P	P	03 15 48.9 -0.2
U44B	Burton Farm, H	97.66	54	P	P	03 15 49.8 +0.4
M40A	Post Highland	97.73	49	P	P	03 15 49.5 0.0
O41A	Passleys Farm	97.75	50	P	P	03 15 49.4 -0.3
R43A	Red Bud	97.84	52	P	P	03 15 50.3 +0.1
K39A	Oelwein	97.90	48	P	P	03 15 50.1 -0.2
ULM	Lac du Bonnet	97.95	39	eP	P	03 15 49.6 -0.7
ULM	Lac du Bonnet	97.95	39	eP	P	03 15 49.7 -0.7
ULM	Lac du Bonnet	97.95	39	eP	P	03 15 49.5 -0.9
ULM					LR	LR
ULM	comp=Z,846nm,21.4s,ba=264,slow=31					03 53 30.7

2013 FEB

N41A	Harden Midland	97.96	50	P	P	03 15 50.0 -0.7
P42A	Winchester	97.97	51	eP	P	03 15 50.9 +0.2
P42A	Winchester	97.97	51	P	P	03 15 50.8 +0.1
249A	Camden	98.02	59	P	P	03 15 51.1 0.0
450A	Crestview	98.09	60	P	P	03 15 50.6 -0.8
U45A	Rockin P Farm,	98.11	54	P	P	03 15 51.3 -0.1
SPMN	Marine on St.	98.12	45	eP	P	03 15 51.2 0.0
SPMN	Marine on St.	98.12	45	P	P	03 15 51.2 0.0
L40A	Anamosa	98.15	48	eP	P	03 15 51.7 +0.2
L40A	Anamosa	98.15	48	P	P	03 15 51.1 -0.3
S44A	Carbondale	98.16	53	P	P	03 15 51.7 +0.1
Q43A	New Douglas	98.23	52	P	P	03 15 51.9 0.0
X47A	Russellville	98.23	56	P	P	03 15 51.2 -0.7
J39A	Decorah	98.23	47	P	P	03 15 51.8 0.0
H38A	Maiden Rock	98.29	46	P	P	03 15 52.2 +0.2
O42A	Bath	98.36	50	P	P	03 15 51.9 -0.5
M41A	Milan	98.41	49	P	P	03 15 52.0 -0.6
F37A	Hinrichs Farm,	98.41	44	P	P	03 15 52.7 +0.1
K40A	Colesburg	98.42	48	P	P	03 15 52.0 -0.6
V46A	Holladay	98.43	55	P	P	03 15 52.4 -0.4
LRAL	Lakeview Retre	98.45	58	P	P	03 15 52.6 -0.4
R44A	Waltonville	98.47	52	P	P	03 15 52.5 -0.4
149A	Jones	98.48	59	eP	P	03 15 52.7 -0.5
I39A	Houston	98.53	47	P	P	03 15 53.6 +0.5
I39A	Houston	98.53	47	P	P	03 15 52.5 -0.6
U46A	Springville	98.56	55	P	P	03 15 52.8 -0.6
P43A	Kesegaw, Pawnee	98.59	51	P	P	03 15 53.3 -0.1
N42A	Yates City	98.59	50	P	P	03 15 53.3 -0.2
W47A	Westpoint	98.67	56	P	P	03 15 53.2 -0.8
S45A	Carrier Mills	98.67	53	P	P	03 15 53.9 0.0
250A	Grady	98.71	59	P	P	03 15 53.4 -0.8
451A	Vernon	98.72	61	P	P	03 15 53.6 -0.5
Q44A	Meyer Farm, Va	98.72	52	P	P	03 15 53.6 -0.5
G38A	Ridgeland	98.74	45	P	P	03 15 53.5 -0.5
WVT	Waverly	98.75	55	P	P	03 15 53.7 -0.5
X48A	Hartselle	98.85	57	P	P	03 15 53.9 -0.9
Z49A	Columbiana	98.87	58	P	P	03 15 54.0 -0.8
V47A	Nunnely	98.90	55	P	P	03 15 54.2 -0.8
J40A	Soldiers Grove	98.92	47	P	P	03 15 54.6 -0.3
O43A	Sugar Creek Fa	98.94	50	P	P	03 15 54.9 -0.1
S52A	Lynn Haven	98.94	61	P	P	03 15 55.2 -0.1
H39A	Augusta	98.96	46	P	P	03 15 55.2 +0.2
K41A	Shullsburg	98.97	48	P	P	03 15 54.6 -0.5
F38A	Pierce - Schro	98.98	44	P	P	03 15 55.3 +0.2
T46A	Princeton	98.99	54	P	P	03 15 55.4 +0.1
M42A	Sheffield	98.99	49	P	P	03 15 55.2 0.0
150A	Eclectic	99.10	59	P	P	03 15 55.1 -0.8
JFWS	Jewell Farm	99.11	48	P	P	03 15 54.9 -0.8
LPAZ	La Paz	99.13	111	eP	P	03 15 58.2 +1.0
LPAZ	La Paz	99.13	111	eP	P	03 15 59.2 +2.0
LPAZ					pmx	pmx
LPAZ					pmx	pmx
LPAZ	comp=Z,1.16nm,1.6s	99.13	111	P	P	03 15 58.5 +1.3
LPAZ	comp=Z,2.9nm,0.9s,ba=223,slow=3.3,SNR=6.8	PP				03 51 40.0
W48A	Pulaski	99.15	56	P	P	03 15 55.6 -0.4
I40A	Norwalk	99.16	47	P	P	03 15 55.4 -0.5
Y49A	Blount Mountai	99.17	57	P	P	03 15 54.9 -1.3
L42A	Oliver, Polo	99.23	49	P	P	03 15 55.3 -1.0
GTA	Gaotai	99.23	308	PP	PP	03 16 00.0 +3.5
GTA					PP	PP
GTA					pmx	pmx
GTA	comp=Z,5.0nm,0.7s				pmx	pmx
GTA	comp=Z,130nm,8.3s				LR	LR
GTA	comp=Z,220nm,22.2s				LR	LR
GTA	comp=Z,300nm,22.9s				LR	LR
G39A	Holcombe	99.23	45	P	P	03 15 55.5 -0.7
452A	Marianna	99.25	61	P	P	03 15 54.9 -1.8
U47A	Clarksville	99.27	55	P	P	03 15 55.9 -0







MDD 15 03:41:02.4-0.7,31.96N-11.99W,h50km,mb4.4/5,Error ellipse: s-maj=18.1km s-min=5.9km az=127.0,PRXIMO INMG 15 03:41:06.2-2.0,32.04N-12.12W,h10km,ML2.7,Error ellipse: s-maj=4.7km s-min=2.6km az=132.0

ISC 15 03:40:56.9-1.0,32.09N-0.05:12.06W-0.05,h10km,m50,c38/83,Madeira Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Contains station data for Madeira Islands region.

Error ellipse: s-maj=27.9km s-min=17.2km az=8.2 IDC 15 03:46:19.3-1.3,10.90S-165.78E,h0km,mb3.6/6,mb1 3.8/7,mb1mx3.7/32,mbmp3.7/7,ML4.0/1,Error ellipse: s-maj=46.3km s-min=25.1km az=126.0

ISC 15 03:46:21.0-1.0,10.88S:0.1x165.8E:0.2,h10km,m13,c153/7,mb3.5/6,Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Contains station data for Santa Cruz Islands.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Contains station data for various regions including Chushkaly, Ulahol, and others.

ISCJB 15 03:46:19.3-0.9,10.9S:0.1x165.7E:0.2,h10km,mb3.5/6,

ISCJB 15 04:04:45.8-0.5,67.61N:0.05:142.8E:0.1,h10km,mb3.4/10,Error ellipse: s-maj=7.8km s-min=6.2km az=40.9

IDC 15 04:04:47.2-0.9,68.02N:142.27E,h0km,mb3.5/10,mb1 3.7/12,mb1mx3.6/51,mb1mx3.5/12,ML3.0/2,Error ellipse: s-maj=27.3km s-min=17.1km az=172.0

YARS 15 04:04:47.2-0.2,67.59N:0.01:142.9E:0.03,h6km ISC 15 04:04:47.4-0.6,67.57N:0.06:142.98E:0.04,h10km,m16,c19/179,mb3.6/10,Eastern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Contains station data for Eastern Siberia.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for ARCES ARCESS Array B, BRTR Keskin Array B, GERES ARCESS Array B, etc.

IDC 15 05:49:59.9,24.0,52.10N:158.61E, h0km, mb3.6/2, mb1 3.9/2, mb1mx3.2/5.0, mbtmp3.6/2, Error ellipse: s-maj=1038.00km s-min=25.7km az=76.0, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for RSCN 15 05:03:40.5,1.7,6.20N:77.47W, etc.

SKHL 15 05:21:06.7,0.8,47.54N:152.84E, h140km, 10km, mb4.5/2, mhs5.3/4

MOS 15 05:21:08.2,1.2,47.84N:152.55E, h160km, mb4.1/3, Error ellipse: s-maj=13.4km s-min=8.1km az=67.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for SKR Severo-Kuril's, SKR 70nm,1.0s, SKR 120nm,0.9s, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for SKR Severo-Kuril's, SKR 170nm,0.9s, SKR 3.70 38 ePN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for SKR Severo-Kuril's, SKR 170nm,0.9s, SKR 3.70 38 ePN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for SKR Severo-Kuril's, SKR 170nm,0.9s, SKR 3.70 38 ePN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for H11S2 WAKE ISLAND Hy 31.43 154 T, ILAR Eielson Array 35.96 39 P, ZALV Zalesovo Beam 41.70 305 D, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for H11S2 WAKE ISLAND Hy 31.43 154 T, ILAR Eielson Array 35.96 39 P, ZALV Zalesovo Beam 41.70 305 D, etc.

IDC 15 05:38:12.8,1.4,0.54S:98.47E, h0km, mb3.9/7, mb1 4.0/9, mb1mx3.8/43, mbtmp3.8/9, ML3.9/2, Error ellipse: s-maj=57.0km s-min=16.4km az=61.0

ISCJBJ 15 05:17:0.0,6.4,47.86N:152.56E,0.0,109,h150km, mb5.5/17, Error ellipse: s-maj=12.8km s-min=4.0km az=139.9

DJA 15 05:38:16.2,0.6,0.5S:9.8E, h10km, M3.9/8, mb4.1/1, MLV3.9/8

NEIC 15 05:38:18.4,1.0,0.48S:98.18E, h38km, 7km, mb4.2/7, Error ellipse: s-maj=18.1km s-min=4.8km az=58.0

ISC 15 05:38:17.5,0.7,0.43S:106.98E, h32km, n48, a1521/44, mb4.0/13, Southern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for PBSI Pulau Batu, PPSI Saibi, MNSI Mandailing Nat, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for PPSI Saibi, MNSI Mandailing Nat, PPI Padang Panjang, etc.

IDC 15 05:39:53.8,78.0,20.18S:171.74E, h0km, mb3.8/3, mb1 3.9/3, mb1mx3.7/2.1, mbtmp3.8/3, MS3.2/1, MS1 3.2/1, s-min=145.2km az=77.0, Vanuatu Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for URZ Urewera, STKA Stephens Creek, WRA Warramunga Arr, etc.

NEIC 15 05:48:25.1,1.2,0.50S:98.43E, h42km, 9km, mb4.3/14, Error ellipse: s-maj=15.6km s-min=5.7km az=59.0

ISC 15 05:48:23.9,0.5,0.50S:98.38E,0.08,h32km, n61, a1524/59, mb4.3/23, Southern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for PPSI Saibi, MNSI Mandailing Nat, PPI Padang Panjang, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for PPSI Saibi, MNSI Mandailing Nat, PPI Padang Panjang, etc.

ISC 15 05:48:28.8,1.1,1.2S:3.0E, h164.4E,0.2,h33km, mb3.9/5, Error ellipse: s-maj=24.6km s-min=16.4km az=144.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for PPSI Saibi, MNSI Mandailing Nat, PPI Padang Panjang, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for PPSI Saibi, MNSI Mandailing Nat, PPI Padang Panjang, etc.

NEIC 15 05:49:12.0,0.0,17.35N:94.93W, h134km, MD4.2(MEX), After MEX

MEX 15 05:49:09.0,0.9,17.35N:94.81W, h147km, 10km, MD4.2, Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes entries for CMIG Matias Romero, CMIG Vista Hermosa, VHO Vista Hermosa, etc.

IDC 15 06:08:25.5,1.5,12.11S:164.39E, h0km, mb4.0/5, mb1 4.2/7, mb1mx3.8/40, mbtmp4.1/7, ML4.3/2, Error ellipse: s-maj=35.5km s-min=30.3km az=155.0

ISCJBJ 15 06:08:28.8,1.1,1.2S:3.0E, h164.4E,0.2,h33km, mb3.9/5, Error ellipse: s-maj=24.6km s-min=16.4km az=144.7

IDC 15 06:08:30.6,1.2,12.2S:0.1E, h164.4E,0.2,h33km, n7, a075/7, mb4.0/5, Santa Cruz Islands region













SOME 15 09:30:15.4, 42.72N; 79.58E, h15km
KRNET 15 09:30:16.2, 0.1, 42.73N; 79.49E, h14km, mb2.4
NNC 15 09:30:16.4, 0.1, 42.77N; 79.51E, h1km, mb2.9,

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like UZB Uzunbulak, UZB Uzunbulak, UZB Uzunbulak, etc.

OTT 15 09:30:31.9, 0.7, 57.68N; 58.48W, h18km, ML3.5/2,
LaLibertaRADOR Sea Seismic Zone. 204km east from
Nutak, Ni, Labrador Sea

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like NANL Nain, MKVL Makkovik, KAJU Kangisualuuj, etc.

ISCJB 15 09:31:30.5, 0.3, 36.97N; 0.02; 4.14E, h10km, Error
ellipse: s-maj=3.8km s-min=3.4km az=166.6
LDG 15 09:31:30.3, 0.3, 36.95N; 4.23E, h10km, ML3.3/6, Error
ellipse: s-maj=6.6km s-min=6.2km az=63.0

MDD 15 09:31:31.7, 0.4, 36.86N; 4.23E, h0km, mb4.3/11, Error
ellipse: s-maj=5.5km s-min=4.4km az=60.0, PRXIMO
CRAAG 15 09:31:33.2, 36.63N; 4.10E, ML3.3
ISC 15 09:31:29.9, 0.9, 36.96N; 0.04; 4.27E, h10km, n74,
c#310/97, 2D, Northern Algeria

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like AKET Djebel Ketaf, ABA Alger-Bouzarea, ADJB Alger-Djouab, etc.

IDC 15 10:01:27.4, 1.1, 21.58S; 165.10E, h0km, mb3.7/5,
mb1 4.0/6, mb1mx3.7/27, mbtmp3.8/6, ML4.0, 1, MS3.3/3,
Ms1 3.3/3, mb1mx2.8/22, Error ellipse: s-maj=44.6km,
s-min=25.5km az=137.0, Santa Cruz Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, etc.

IDC 15 10:04:29.0, 2.2, 28.54N; 52.34E, h0km, mb3.6/8,
mb1 3.8/9, mb1mx3.5/36, mbtmp3.6/9, ML3.6/1, Error
ellipse: s-maj=48.0km s-min=25.4km az=155.0
ISCJB 15 10:04:29.8, 0.9, 28.44N; 0.08; 52.25E, h16km,
mb3.6/8, Error ellipse: s-maj=11.8km s-min=7.1km
az=11.0

THR 15 10:04:31.5, 28.62N; 52.41E, h6km, ML3.4
TEH 15 10:04:31.9, 28.55N; 52.35E, h2km, ML3.4
ISC 15 10:04:31.2, 1.1, 28.5N; 0.1; 52.26E, h16km, n27,
c#075/28, mb3.7/8, Southern Iran

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like GHIR Ghir-Karzin, GHIR Ghir-Karzin, GHIR Ghir-Karzin, etc.

SOME 15 10:23:51.2, 42.58N; 79.62E, h10km
NNC 15 10:23:51.2, 1.3, 42.61N; 79.60E, h6km, 31km, mb2.7,
mpv2.2, Error ellipse: s-maj=14.0km s-min=7.8km
az=177.0

KRNET 15 10:23:53.0, 0.1, 42.72N; 79.14E, h11km, mb2.2
ISC 15 10:23:50.5, 2.0, 42.50N; 0.09; 79.5E, h10km, 14km,
n12, c#149/23, 8C-6D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Time, Res, ISC. Includes stations like UZB Uzunbulak, UZB Uzunbulak, UZB Uzunbulak, etc.

KRNET 15 10:32:10.7, 0.1, 39.78N; 70.13E, h15km, mb3.2
SOME 15 10:32:11.7, 39.92N; 70.13E, h15km
ISCJB 15 10:32:12.5, 1.1, 39.78N; 0.06; 70.20E, h10km, Error
ellipse: s-maj=8.6km s-min=5.2km az=27.3
NNC 15 10:32:17.7, 2.1, 40.09N; 70.42E, h0km, mb3.5, mpv3.1,
Error ellipse: s-maj=16.9km s-min=11.4km az=51.0
ISC 15 10:32:10.6, 1.8, 39.78N; 0.07; 70.11E, h10km, n22,
c#187/37, 26C-4D, Tajikistan

Table with columns: BTK, Batken, 0.64, 58, P, Pg, 10 32 22.6 -0.3, KDJ, Kaisaj, 1.89, 256, Pn, 10 34 30.7 +0.3

KRNET 15 10:33:55.5:0.1, 42.56N:79.66E, h17km, mb3.1

SOME 15 10:33:57.0, 42.60N:79.67E, h20km

NCC 15 10:33:56.7:0.8, 42.61N:79.65E, h0km, mb3.3, mpv3.1, 14C-8D, Error ellipse: s-maj=5.3km s-min=3.0km az=138.0, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, UZB, Uzynbulak, 0.71, 320, P, Sg, 10 34 10.7 +0.5

Table with columns: KDJ, Kaisaj, 1.89, 256, Pn, 10 34 30.7 +0.3, KOTS, Kotybulak, 1.96, 289, P, Sg, 10 32 30.5 -0.8

IDC 15 10:35:43.1:1.4, 6:38S:151:16E, h0km, mb4.0/6, mb1.4, 3/6, mb1mx3.8/53, mbtmp4.1/6, MS3.0/4, Ms1.3/0.4, ms1mx2.7/29, Error ellipse: s-maj=56.6km s-min=22.4km az=116.0

NEIC 15 10:35:45.3:0.9, 6:42S:151:14E, h10km, mb4.1/5, Error

ellipse: s-maj=36.1km s-min=11.0km az=122.0, ISCJB 15 10:35:47.1:0.9, 6:45S:151:16E, 0:2, h36km, mb3.9/8, MS3.0/3, Error ellipse: s-maj=36.2km s-min=10.8km az=32.3

ISC 15 10:35:48.4:1.1, 6:45S:151:16E, 0:3, h36km, n17, 15:13/16, mb3.9/8, MS3.1/3, New Britain region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, RABL, Rabaul, 2.40, 24, Op, P, 10 34 21.1

IDC 15 10:37:30.2:0.8, 36:72N:95:04E, h0km, mb3.5/1, mb1.3/5, mb1mx3.3/67, mbtmp3.5/5, ML3.2/4, Error ellipse: s-maj=112.9km s-min=54.0km az=179.0

BUI 15 10:37:32.8, 36:69N:94:41E, h5km, mb3.7/6, ISC 15 10:37:25.0:3.9, 36:1N:0:4:95.3E:0.1, h10km, n8, 15:19/10, Qinghai

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, GTA, Gaotai, 4.87, 46, P, Pn, 10 38 37.9 -0.5

MEX 15 10:37:46.8:0.7, 14:82N:92:68W, h90km, 8km, MD3.9, Near coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, THIG, Thig, 0.41, 77, eP, S, 10 37 59.9 -1.0

ISCJB 15 10:42:50.9:0.3, 8:71S:10:04W:116:38E:0:02, h132km, 3km, mb4.1/36, Error ellipse: s-maj=6.3km s-min=3.2km az=18.8

IDC 15 10:42:50.4:1.8, 8:74S:116:21E, h119km, 15km, mb3.8/16, mb1.3/9/18, mb1mx3.7/42, mbtmp4.2/18, Error ellipse: s-maj=21.9km s-min=11.3km az=68.0

NEIC 15 10:42:51.8:0.6, 8:68S:116:37E, h125km, 6km, mb4.4/25, Error ellipse: s-maj=7.3km s-min=5.0km az=216.0

DJA 15 10:42:53.1:0.3, 9:5:6:11:6E, h100km, 5km, M4.4/16, mb4.6/7, mb4.8/5, MLV4.5/16, Mw(m)4.0/5

ISC 15 10:42:51.6:0.6, 8:86S:10:05:116:39E:0:04, h124km, 5km, n115, 2806/135, mb4.2/36, 1C, Sumbawa region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, DNP, Denpasar, 1.18, 279, P, Pn, 10 43 15.8 +0.2

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MBWA, FITZ, YKA, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like BOSA, BR101, SNAAS, etc.

ISC/JB 15:10:45:17.3z, 0.67:49N:0.05:142:7E:0.1, h10km, mb3.5/8, MS3.2/1, Error ellipse: s-maj=7.3km s-min=6.7km az=44.7

IDC 15:10:45:17.3z, 1.0, 67:59N:142:73E, h0km, mb3.6/8, mb1 3.8/9, mb1mx3.5/55, mbtmp3.6/9, ML3.1/1, MS3.3/1, Ms1 3.3/1, ms1mx2.4/44, Error ellipse: s-maj=39.2km s-min=15.6km az=166.0

YARS 15:10:45:18.9z, 0.1, 67:50N:0.008:142:80E:0.1, h10km, ISC 15:10:45:18.4z, 0.7, 67:49N:0.05:142:83E:0.04, h10km, n13, i126/17, mb3.6/8, Eastern Siberia

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MOMR, YBGR, BTGS, etc.

TRN 15:10:48:25.5, 177:3N:62:88W, h111km, MD3.8, 1C, Leeward Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SEUS, SMRT, ANWB, etc.

IDC 15:10:54:26.9z, 0.6, 67:58N:142:37E, h0km, mb3.8/17, mb1 4.0/20, mb1mx3.8/51, mbtmp3.8/20, ML2.9/3, MS3.2/5, Ms1 3.2/5, ms1mx2.7/46, Error ellipse: s-maj=16.6km s-min=13.6km az=165.0

ISC/JB 15:10:54:27.1z, 0.3, 67:61N:102:04:142:35E:0.09, h10km, mb4.0/30, MS3.4/3, Error ellipse: s-maj=5.4km s-min=5.0km az=169.5

YARS 15:10:54:28.7z, 0.1, 67:62N:0.006:142:55E:0.01, h11km NEIC 15:10:54:28.8z, 0.2, 67:60N:142:33E, h10km, mb4.1/15, Error ellipse: s-maj=5.1km s-min=4.1km az=180.0

ISC 15:10:54:28.4z, 0.4, 67:59N:0.05:142:40E:0.04, h10km, n59, i087/15, mb3.9/30, MS3.3/3, Eastern Siberia

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like MOMR, YBGR, BTGS, etc.

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like IM3, MLY, PPLA, etc.

ISK 15:11:04:37.8, 38:36N:30:06E, h5km, ML2.0/3, DDA 15:11:04:39.3, 38:34N:30:15E, h0km, 3km, ML2.5, ISC 15:11:04:39.1z, 1.0, 38:33N:0.04:30:16E:0.03, h18km, 5km, n9, e097/17, Turkey

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like KZIL, SHUT, KARAHALLI, etc.

GDZ 15:11:08:41.5z, 8.8, 10:12S:155:60E, h0km, mb3.3/3, mb1 3.5/3, mb1mx3.2/5, mbtmp3.3/3, MS3.2/3, Ms1 3.1/3, s-maj=42.9km az=120.0, D'Entrecasteaux Islands

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like DZM, WARA, ASAR, etc.

NEIC 15:11:42:43.8z, 0.0, 17:15N:101:20W, h17km, MD4.0(MEX), After MEX. MEX 15:11:42:44.0z, 0.3, 17:21N:101:14W, h14km, 4km, MD3.4, Near coast of Guerrero

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ZIIG, CAIG, ARIG, etc.









15d 13h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like COLLIM, YFT, LKWY, DPC, BRG, KRLC, BUR4, BUR5, BUR6, BUR7, BUR8, BUR9, BUR10, BUR11, BUR12, BUR13, BUR14, BUR15, BUR16, BUR17, BUR18, BUR19, BUR20, BUR21, BUR22, BUR23, BUR24, BUR25, BUR26, BUR27, BUR28, BUR29, BUR30, BUR31, BUR32, BUR33, BUR34, BUR35, BUR36, BUR37, BUR38, BUR39, BUR40, BUR41, BUR42, BUR43, BUR44, BUR45, BUR46, BUR47, BUR48, BUR49, BUR50, BUR51, BUR52, BUR53, BUR54, BUR55, BUR56, BUR57, BUR58, BUR59, BUR60, BUR61, BUR62, BUR63, BUR64, BUR65, BUR66, BUR67, BUR68, BUR69, BUR70, BUR71, BUR72, BUR73, BUR74, BUR75, BUR76, BUR77, BUR78, BUR79, BUR80, BUR81, BUR82, BUR83, BUR84, BUR85, BUR86, BUR87, BUR88, BUR89, BUR90, BUR91, BUR92, BUR93, BUR94, BUR95, BUR96, BUR97, BUR98, BUR99, BUR100.

2013 FEB

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MEX 15 12:45:34.0, HEL 15 12:45:51.7, IDC 15 12:45:55.2, STKA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, YARS 15 12:57:52.0, MOMR Moma, YBGR Belaya Gora, BTGS Batagay, SEY Seymchan, MA2 Magadan, USKR Usuriysk Arr, SONM Songino Array, ILAR Eielson Array, KSR5 Korea Array, MKAR Makanchi Array, YKA Yellowknife Arr, FINES FINES Array B, NOAR NORPAR Array B, NVAR Pinedale Array, NNC 15 13:01:42.1, UZB Uzunbulak, SATY Saty, PDGK Podgornoye, PRZ Przhval'sk, KDJ Kajisaj, TARG Taragay, TKM2 Tokmak 2, TKM2 Tokmak 2.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RAO Raoul Island, URZ Urewera, STA Stephens Creek, ASAR Alice Springs, WRA Warramunga Arr, FINES FINES Array B, AKASA Main Array Be, JMA 15 13:12:55.6, ISJCJB 15 13:12:58.7, IDC 15 13:12:59.3, JKN2 Miekiboko, JTNK Tanihakahech, JOD2 Odawara 2, JWY Kouya, BS03 Boso 3, BS04 Boso 4, BS01 Boso 1, JHU Hanno, JRY Ryogami san, JYT Yachi, JAI Aioi, MJAR Matsushiro Arr, JAG Ashikaga, JYT Yachi, MKAR Makanchi Array, WRA Warramunga Arr, IDC 15 13:17:06.1, ISJCJB 15 13:17:09.0, IDC 15 13:17:10.8, Code Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, H1S2 WAKE ISLAND Hy 29 20 2, H1S3 WAKE ISLAND Hy 29 20 2, H1S1 WAKE ISLAND Hy 29 22 2, H1N1 WAKE ISLAND Hy 30 42 2, H1N3 WAKE ISLAND Hy 30 43 2, H1N2 WAKE ISLAND Hy 30 44 2, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, MKAR Makanchi Array, ISJCJB 15 13:40:02.7, IDC 15 13:40:05.8, IDC 15 13:40:06.6, Code Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PETK Petropavlovsk, ASAJ Asahikawa, SEY Seymchan, H1N2 WAKE ISLAND Hy 30 21 152 T, H1N1 WAKE ISLAND Hy 30 23 152 T, H1N3 WAKE ISLAND Hy 30 23 152 T, H1S1 WAKE ISLAND Hy 31 30 153 T, H1S3 WAKE ISLAND Hy 31 31 153 T, H1S2 WAKE ISLAND Hy 31 32 153 T, ILAR Eielson Array, INK Inuk, MKAR Makanchi Array, YKA Yellowknife Arr, NVAR Mina Array Bea, FINES FINES Array B, PDAR Pinedale Array, ISJCJB 15 13:50:36.8, SJA 15 13:50:36.6, IDC 15 13:50:37.0, GUC 15 13:50:36.6, Code Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CMCH Combarbala, CMCH Combarbala, GO04 Tololo Observa, GO04 Tololo Observa.



15d 14h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RUSC, TAMC, CODC, HELC, ROSC, CHIC, SJCC, SDV, RREF, ASAR, WRA.

AZER 15:41:59.25.3, 77.76N, 42.20E, h1km, m13.3/7, Error ellipse: s-maj=38.4km s-min=16.6km az=163.0

DDA 15:43:02.3, 38.33N, 42.49E, h5km, 1km, ML3.6
NSSCP 15:43:02.3, 38.28N, 42.43E, h5km, 1km, ML3.6/19
ISK 15:43:02.3, 38.31N, 42.43E, h5km, 1km, ML3.6/19

ISC 15:43:04.3, 1.0, 38.31N, 0.02, 42.50E, 0.02, h8km, 9km, n55, s1928/80, 7C-5D, Turkey

Main table for 15d 14h section with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AKDM, GURO, GEVA, ADCV, SRTM, TVAN, SIRT, MLAZ, SVAN, BTM, VMUR, TUTA, BASK, AGRB, CLDR, DYDN, EATA, BNGB, YOVA, HANI, MARD, KOPR, ECAT, HOMI, MAZI, ERZC, EAK, GNI, GNI, BAYB, SBZ, BYT, DBAD.

2013 FEB

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DAGI, ORF, URFA, CHOM, BCA, GDB, QZX, GANJ.

ISCJB 15:43:25.9, 0.6, 67.58N, 0.05, 142.7E, 0.1, h10km, mb3.2/4, Error ellipse: s-maj=8.4km s-min=7.0km az=28.7

IDC 15:43:25.3, 2.4, 67.54N, 142.71E, h0km, mb3.3/4, mb1.3/6/4, mb1mx3.3/6/4, mbmtpp3.3/4, Error ellipse: s-maj=77.6km s-min=24.4km az=167.0

YARS 15:43:27.1, 0.2, 67.57N, 0.009, 142.82E, 0.02, h9km, ISC 15:43:27.0, 0.8, 67.51N, 0.06, 142.90E, 0.05, h10km, n7, s093/12, mb3.2/4, Eastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MOMR, YBGR, BTGS, ILAR, MKAR, YKA, FINES.

ISCJB 15:43:28.1, 0.7, 6.24S, 0.06, 128.64E, 0.07, h322km, mb3.2/2, Error ellipse: s-maj=9.4km s-min=8.4km az=174.2

IDC 15:43:28.3, 2.6, 14S, 128.71E, h311km, 27km, mb3.0/6, mb1.3/5/6, mb1mx3.1/44, mbmtpp4.1/6, Error ellipse: s-maj=49.4km s-min=20.0km az=62.0

DJA 15:43:28.1, 0.8, 6.5, 12.9E, h206km, 21km, M4.0/6, mb3.6/3, mb4.4/1, MLV4.3/6, MW(mB)3.5/1

ISC 15:43:32.1, 0.8, 6.18S, 0.06, 128.68E, 0.06, h322km, n11, s300/20, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SAUI, FAKI, SANI, SOEI, BATI, FITZ, WRA, ASAR, STKA, MKAR.

IDC 15:42:09.4, 1.7, 8.96S, 113.27E, h0km, mb3.5/4, mb1.3.7/5, mb1mx3.5/44, mbmtpp3.7/5, ML4.1/1, Error ellipse: s-maj=68.4km s-min=22.0km az=42.0

ISCJB 15:42:16.6, 0.7, 9.39S, 106.113, 0E, 0.0, h63km, mb3.5/4, Error ellipse: s-maj=3.7km s-min=5.9km az=5.9

DJA 15:42:17.0, 1.0, 9.5, 11.3E, h18km, 9km, M3.7/4, MLV3.7/4

ISC 15:42:17.1, 1.1, 0.935S, 0.09, 113.01E, 0.05, h63km, n15, s181/19, mb3.5/4, South of Java

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GMJI, JAGI, PWJI, PCJI, KMMI, SRBI, UGM, PLAI, CISI, BATI, WRA, ASAR, STKA, MKAR.

BUI 15:42:51.7, 40.40N, 23.90E, h5km, mb5.2/27, mb4.6/41, Ms4.9/10, Ms7.4.6/9

PRU 15:42:52.7, 0.0, 40.32N, 23.96E, h0km, ML4.7

ISK 15:42:53.1, 40.32N, 23.96E, h0km, ML4.8/47, IDC 15:42:53.0, 0.4, 40.43N, 23.91E, h0km, mb4.4/29, mb1.4/4/2, mb1mx4.4/55, mbmtpp4.4/42, ML4.1/11, MS3.7/39, Ms1.3.7/39, ms1mx3.7/55, Error ellipse: s-maj=9.0km s-min=8.5km az=56.0

SOF 15:42:53.8, 0.4, 35N, 24.04E, h5km, MOS 15:42:53.9, 1.1, 40.43N, 23.96E, h12km, mb4.9/51, Error ellipse: s-maj=3.8km s-min=2.5km az=92.7

ATH 15:42:54.1, 40.33N, 23.95E, h24km, 1km, ML4.6/17, Error ellipse: s-maj=1.2km s-min=0.8km az=325.0

PDG 15:42:54.3, 0.6, 40.35N, 23.95E, h15km, MD4.7/2, ML4.7/9, Error ellipse: s-maj=0.4km s-min=0.6km az=0.0

ISCJB 15:42:54.5, 0.2, 40.37N, 0.009, 23.98E, 0.01, h16km, 2km, mb4.6/91, MS3.9/36, Error ellipse: s-maj=1.5km s-min=1.3km az=36.8

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GII 15:42:55.0, 0.0, 40.40N, 23.93E, h10km, THE 15:42:55.0, 0.0, 40.33N, 23.93E, h9km, ML4.7/8, Error ellipse: s-maj=0.7km s-min=0.4km az=4.0

NEIC 15:42:55.0, 0.0, 40.33N, 23.93E, h9km, mb4.7/23, MMV4.5, ML4.7(THE), Moment Tensor Solution. s18 Moment tensor: Scale 10^19Nm; Mr:3.79; Mw:0.76; Ms:4.55; Mo:2.71; Mv:5.98; Mv:1.54; Best double couple: Mo:8.00000\*10^15 NP1:0.176, 0.00000, 0.62, 0.00000, 7.31, 0.00000. NP2:0.7, 0.00000, 0.63, 0.00000, 1.48, 0.00000. Principal axes: T: 7.3600, Pg1:1.0000, Azm32.0000, N: 1.0800, Plg4:0.0000, Azm214.0000, P: -8.4400, Plg1:0.0000, Azm123.0000. After THE

NEIC Felt at Alexandroupoli, Eleftheroupolis, Kalamaria, Kassandra, Kavala, Nea Michaniona, Thasos and Thessaloniki.

BEO 15:42:55.5, 0.5, 40.39N, 23.93E, h5km, ML4.8/14 GCMT 15:42:57.0, 0.4, 40.24N, 0.03, 23.87E, 0.03, h26km, 1km, MMV4.759, Moment Tensor Solution. s13, c16; s59, c84; Duration: 0 Moment tensor: Scale 10^19Nm; Mr:0.70, 1.3; Mw:1.0, 1.7; Mo:0.8, 1.7; Ms:1.5, 1.7; Ms:1.9, 1.7; Best double couple: Mo:1.61800, 10^16 NP1:0.80, 0.00000, 0.89, 0.00000, 1.70, 0.00000. NP2: 0.170, 0.00000, 0.80, 0.00000, 2.0, 0.00000. Principal axes: T: 1.2550, Plg8:0.0000, Azm30.0000, N: 0.7250, Plg8:0.0000, Azm252.0000, P: -1.9800, Plg6:0.0000, Azm126.0000, nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

DDA 15:42:58.1, 0.4, 40.38N, 23.93E, h8km, 1km, ML4.8 ISC 15:42:58.0, 0.6, 40.36N, 0.01, 23.94E, 0.01, h9km, 3km, n787, s1942/881, mb4.7/91, MS3.8/36, 73C-19D, Greece

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OUR, PAIG, THAS, KAVA, KAVI, KAVJ, KAVK, KAVL, KAVM, KAVN, KAVO, KAVP, KAVQ, KAVR, KAVS, KAVT, KAVU, KAVV, KAVW, KAVX, KAVY, KAVZ.

ISCJB 15:42:58.1, 0.7, 6.24S, 0.06, 128.64E, 0.07, h322km, mb3.2/2, Error ellipse: s-maj=9.4km s-min=8.4km az=174.2

IDC 15:43:28.3, 2.6, 14S, 128.71E, h311km, 27km, mb3.0/6, mb1.3/5/6, mb1mx3.1/44, mbmtpp4.1/6, Error ellipse: s-maj=49.4km s-min=20.0km az=62.0

DJA 15:43:28.1, 0.8, 6.5, 12.9E, h206km, 21km, M4.0/6, mb3.6/3, mb4.4/1, MLV4.3/6, MW(mB)3.5/1

ISC 15:43:32.1, 0.8, 6.18S, 0.06, 128.68E, 0.06, h322km, n11, s300/20, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SAUI, FAKI, SANI, SOEI, BATI, FITZ, WRA, ASAR, STKA, MKAR.

IDC 15:42:09.4, 1.7, 8.96S, 113.27E, h0km, mb3.5/4, mb1.3.7/5, mb1mx3.5/44, mbmtpp3.7/5, ML4.1/1, Error ellipse: s-maj=68.4km s-min=22.0km az=42.0

ISCJB 15:42:16.6, 0.7, 9.39S, 106.113, 0E, 0.0, h63km, mb3.5/4, Error ellipse: s-maj=3.7km s-min=5.9km az=5.9

DJA 15:42:17.0, 1.0, 9.5, 11.3E, h18km, 9km, M3.7/4, MLV3.7/4

ISC 15:42:17.1, 1.1, 0.935S, 0.09, 113.01E, 0.05, h63km, n15, s181/19, mb3.5/4, South of Java

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like GMJI, JAGI, PWJI, PCJI, KMMI, SRBI, UGM, PLAI, CISI, BATI, WRA, ASAR, STKA, MKAR.

BUI 15:42:51.7, 40.40N, 23.90E, h5km, mb5.2/27, mb4.6/41, Ms4.9/10, Ms7.4.6/9

PRU 15:42:52.7, 0.0, 40.32N, 23.96E, h0km, ML4.7

ISK 15:42:53.1, 40.32N, 23.96E, h0km, ML4.8/47, IDC 15:42:53.0, 0.4, 40.43N, 23.91E, h0km, mb4.4/29, mb1.4/4/2, mb1mx4.4/55, mbmtpp4.4/42, ML4.1/11, MS3.7/39, Ms1.3.7/39, ms1mx3.7/55, Error ellipse: s-maj=9.0km s-min=8.5km az=56.0

SOF 15:42:53.8, 0.4, 35N, 24.04E, h5km, MOS 15:42:53.9, 1.1, 40.43N, 23.96E, h12km, mb4.9/51, Error ellipse: s-maj=3.8km s-min=2.5km az=92.7

ATH 15:42:54.1, 40.33N, 23.95E, h24km, 1km, ML4.6/17, Error ellipse: s-maj=1.2km s-min=0.8km az=325.0

PDG 15:42:54.3, 0.6, 40.35N, 23.95E, h15km, MD4.7/2, ML4.7/9, Error ellipse: s-maj=0.4km s-min=0.6km az=0.0

ISCJB 15:42:54.5, 0.2, 40.37N, 0.009, 23.98E, 0.01, h16km, 2km, mb4.6/91, MS3.9/36, Error ellipse: s-maj=1.5km s-min=1.3km az=36.8

AOS		S	Sg	14.43 32.8	-0.4	AYVA	Ayvalik	2.36 116	i P	Pn	14.43 34.5	+0.5	THT2	Imerovigli	4.09 163	P	Pn	14.43 57.0	-0.7	
NEO	Neokhori	1.19 208	P	Pg	14.43 16.4	-1.4	AYVA			IAML_P				THR5	Thira Island,	4.09 164	P	Pn	14.43 57.0	-0.7
NEO			S	Sg	14.43 32.4	-0.9		comp=Z,6jum,0.2s						PDG	Podgorica	4.09 302	ePn	Pn	14.43 59.5	+1.8
NEO	Neokhori	1.19 208	P	Pg	14.43 16.9	-1.0	SOH	Sofia	2.37 349	P	Pn	14.43 34.4	+0.3	PDG	Podgorica	4.09 302	iP	Pn	14.43 59.8	+2.1
NEO			S	Sg	14.43 33.0	-0.3	ATH	Athens Observa	2.39 184	P	Pn	14.43 33.6	-0.8	PDG	Podgorica	4.09 302	S	Sn	14.44 46.8	+1.1
NEO	comp=N,47708jum,0.7s		AML	AML	14.43 34.6		ATH	Athens Observa	2.39 184	P	Pn	14.43 33.6	-0.8	PDG	Podgorica	4.09 302	iPn	Pn	14.43 59.5	+1.8
NEO			AML	AML	14.43 37.4		ATH	Athens Observa	2.39 184	P	Pn	14.43 33.6	-0.8	TTG	Podgorica	4.09 302	iPn	Sn	14.43 57.9	+0.2
NEO	comp=E,47983jum,0.7s		AML	AML	14.43 37.4		ATH	Athens Observa	2.39 184	P	Pn	14.43 33.6	-0.8	TTG	Podgorica	4.09 302	iPn	Sn	14.44 46.1	+0.4
NEO	Neokhori	1.19 208	P	Pg	14.43 16.4	-1.4	ATHU	Athens Univer	2.39 183	P	Pn	14.43 33.4	-1.0	TTG	Podgorica	4.09 302	ePn	Pn	14.43 59.5	+1.8
NEO			S	Sg	14.43 32.4	-0.9	CHLE	Chios Island	2.56 240	P	Pn	14.43 34.7	-1.1	TTG	Podgorica	4.09 302	ePn	Pn	14.43 59.5	+1.8
SMTH	Samothraki Isl	1.22 84	S	Pb	14.43 16.4	-1.8	KALE	Kalithia	2.41 216	P	Pn	14.43 34.1	-0.7	KULA	Kula-Manisa	4.09 115	PN	Pn	14.43 56.8	-1.0
SMTH			S	Pb	14.43 34.7	-0.2	SERG	Sergoula	2.43 218	P	Pn	14.43 34.4	-0.6	KULA	Kula-Manisa	4.09 115	P	Pn	14.43 58.5	+0.7
SMTH	Samothraki Isl	1.22 84	P	Pb	14.43 17.2	-1.0	LTK	Loutraki	2.45 198	P	Pn	14.43 34.3	-1.0	THR3	Thira Island,	4.11 163	P	Pn	14.43 57.4	-0.6
SMTH			S	Pb	14.43 33.6	-0.5	LTK	Loutraki	2.45 198	P	Pn	14.43 34.3	-1.0	THR3	Thira Island,	4.11 163	P	Pn	14.43 57.4	-0.6
SMTH	Samothraki Isl	1.22 84	P	Pb	14.43 16.9	-1.2	TRZ	Trizonia	2.46 217	P	Pn	14.43 34.7	-0.7	SGRR	Singureni	4.14 21	iP	Pn	14.43 58.1	-0.4
SMTH			S	Pb	14.43 34.7	-0.2	JAN	Janina	2.48 255	P	Pn	14.43 36.4	+0.4	SGRR	Singureni	4.14 21	S	Sn	14.44 49.3	+2.2
FYTO	Fytoko, Volos	1.22 219	P	Sg	14.43 17.0	-1.3	JAN	Janina	2.48 255	P	Pn	14.43 36.4	+0.4	SES	Sjenica	4.15 316	ePn	Pn	14.43 59.6	+0.9
FYTO			S	Sg	14.43 33.1	-1.3	JAN	Janina	2.48 255	P	Pn	14.43 36.0	+0.4	KOME	Kolasin	4.15 308	iPn	Pn	14.43 59.1	+0.4
FYTO	Fytoko, Volos	1.22 219	P	Sg	14.43 17.3	-1.0	JAN	Janina	2.48 255	P	Pn	14.43 36.0	+0.4	KOME			iSn	Sn	14.44 47.9	+0.5
FYTO			S	Sg	14.43 32.9	-1.5	LOUT	Loutraki	2.48 198	P	Pn	14.43 34.8	-0.9	YKAV	Yalikavak-Boodr	4.15 140	PN	Pn	14.43 57.5	-1.1
FYTO	comp=E,13912jum,0.4s		AML	AML	14.43 35.6		CHLE	Chios Island	2.56 240	P	Pn	14.43 34.7	-1.1	SANT	Santorini	4.16 163	PN	Pn	14.43 57.6	-1.1
FYTO			AML	AML	14.43 37.3		SART	Sarkoy-Tekirda	2.49 181	iP	PN	14.43 33.8	-2.0	SANT	Santorini	4.16 163	ePn	PN	14.43 57.6	-1.1
FYTO	comp=N,27143jum,0.8s		AML	AML	14.43 37.3		EPF	Epalio	2.49 220	P	Pn	14.43 35.7	-0.1	SANT	Santorini	4.16 163	eSn	Sn	14.44 51.6	+4.2
FYTO	Fytoko, Volos	1.22 219	P	Pb	14.43 17.0	-1.3	OHF	Ohrid	2.51 288	iPn	Pn	14.43 36.6	+0.6	SANT	Santorini	4.16 163	iPn	Sn	14.43 57.8	-0.9
FYTO			S	Pb	14.43 33.1	-1.3	VLY	Voila,Athens	2.51 183	P	Sn	14.44 02.9	-3.8	THR6	Thira Island,	4.16 164	P	Pn	14.43 58.1	-0.6
FYTO			S	Pb	14.43 17.4	-1.3	VLY	Voila,Athens	2.51 183	P	Sn	14.43 34.9	-1.1	THR6	Thira Island,	4.16 164	P	Pn	14.43 58.1	-0.6
MMB	Musomiste	1.24 352	P	Pb	14.43 17.3	-1.4	VLY	Voila,Athens	2.51 183	P	Sn	14.43 34.9	-1.1	SHAP	Staphane-Kutahy	4.28 106	PN	Pn	14.44 00.4	-0.1
MMB	Musomiste	1.24 352	P	Pb	14.43 17.3	-1.4	ALIK	Aliki, Aigiali	2.53 215	P	Pn	14.43 37.0	+0.7	SRE	Srethalia	4.33 353	iPn	Pn	14.44 00.8	+0.3
SKIA	Skiathos	1.25 197	P	Pb	14.43 17.2	-1.5	PVO	Paravola	2.56 228	P	Pn	14.43 36.9	+0.2	BODT	Bodrum	4.21 140	P	Pn	14.43 59.5	+0.0
SKIA			S	Sb	14.43 37.3	-1.2	CHOS	Chios island	2.56 240	PN	Pn	14.43 35.9	-0.9	BODT	Bodrum	4.21 140	P	Pn	14.43 59.5	+0.0
SKIA	comp=E,47694jum,1.1s		AML	AML	14.43 37.4		CHOS	Chios Island	2.56 240	PN	Pn	14.43 35.9	-0.9	IZI	Iznik	4.22 89	PN	Pn	14.43 59.8	+0.1
SKIA			AML	AML	14.43 40.1		CHOS	Chios Island	2.56 240	PN	Pn	14.43 35.9	-0.9	HUMR	Humele	4.24 107	iPn	Pn	14.43 59.7	-0.1
SKIA	Skiathos	1.25 197	P	Pb	14.43 17.2	-1.5	CHOS	Chios Island	2.56 240	PN	Pn	14.43 35.9	-0.9	CRUS	Crus	4.27 347	ePn	PN	14.44 01.9	+2.2
SKIA			S	Pb	14.43 33.5	-1.4	KRBG	Karabiga-Canak	2.56 88	PN	Pn	14.43 35.7	-1.0	BUCI	Bucharest	4.28 20	S	Sn	14.44 50.7	+0.4
GRG	Griva	1.32 297	PN	Pn	14.43 18.3	-1.4	TRAZ	Trapeza	2.57 212	P	Pn	14.43 36.6	-0.3	MLSB	Milas	4.28 324	PN	PN	14.43 59.9	-0.5
GRG	Griva	1.32 297	P	Pn	14.43 18.2	-1.4	EDRB	Edirne	2.59 54	PN	Pn	14.43 36.4	-0.7	IVAS	Ivanjica	4.28 320	iPn	PN	14.44 00.3	-0.1
GRG	Griva	1.32 297	P	Pn	14.43 18.2	-1.4	EDRB	Edirne	2.59 54	PN	Pn	14.43 36.4	-0.7	SHAP	Staphane-Kutahy	4.28 106	PN	PN	14.44 00.4	-0.1
GRG	Griva	1.32 297	P	Pn	14.43 19.4	+0.3	EDRB	Edirne	2.59 54	PN	Pn	14.43 36.4	-0.7	SRE	Srethalia	4.33 353	iPn	PN	14.44 00.8	+0.3
GRG	Griva	1.32 297	S	Sn	14.43 37.9	+0.5	LAKA	Lakka	2.61 216	P	Pn	14.43 37.7	+0.3	TVSB	Tavsanli	4.34 300	PN	PN	14.44 01.6	+0.3
GRG			AML	AML	14.43 42.7		LAKA	Lakka	2.61 216	P	Pn	14.43 37.7	+0.3	KUBS	Kucevo	4.38 338	ePn	PN	14.44 00.9	-0.9
GRG	comp=N,42826jum,0.5s		AML	AML	14.43 44.1		KRBM	Karaburun	2.68 130	PN	Pn	14.43 36.8	-1.6	SILT	Sile	4.40 78	PN	PN	14.44 02.2	+0.2
GRG			AML	AML	14.43 44.1		KLV	Kalavryta, Ach	2.70 212	P	Pn	14.43 37.9	-0.8	GEDZ	Gezid	4.42 106	PN	PN	14.44 01.7	-0.6
GRG	comp=E,30673jum,0.5s		AML	AML	14.43 44.1		KLV	Kalavryta, Ach	2.70 212	P	Pn	14.43 37.9	-0.8	NKY	Niksic	4.45 305	iPn	PN	14.44 04.4	+1.6
GRG	Griva	1.32 297	P	Pn	14.43 18.2	-1.4	FOCM	Foa	2.71 126	PN	Pn	14.43 37.5	-1.3	NKME	Niksic	4.45 304	iPn	PN	14.44 05.4	+2.6
GRG	Griva	1.32 297	P	Pn	14.43 20.9	-0.1	GUR	Goura	2.72 208	P	Pn	14.43 38.2	-0.8	NKME	Niksic	4.45 304	iPn	PN	14.44 05.4	+2.6
LRSO	Larissa Observ	1.38 241	P	Sb	14.43 37.9	-0.7	GUR	Goura	2.72 208	P	Pn	14.43 38.2	-0.8	NKME	Niksic	4.45 304	iPn	PN	14.44 05.4	+2.6
LRSO			S	Sb	14.43 37.9	-0.7	GUR	Goura	2.72 208	P	Pn	14.43 38.2	-0.8	NKME	Niksic	4.45 304	iPn	PN	14.44 05.4	+2.6
LRSO	Larissa Observ	1.38 241	P	Sb	14.43 19.7	-0.7	KIRK	Kirklareli	2.77 58	iP	PN	14.43 39.6	-0.1	GDZ	Gezid	4.45 105	iP	PN	14.44 03.8	+0.9
LRSO			S	Sb	14.43 20.9	-0.1	TKR	Tekirdag	2.80 76	PN	Pn	14.43 39.6	-0.1	PLR	Piljevija	4.51 313	iPn	PN	14.44 05.2	+1.5
LRSO	Vandodop	1.42 313	iPn	PN	14.43 42.7	+2.1	URLA	Uzurlu	2.87 117	iP	PN	14.43 40.1	+0.6	GOLR	Golub	4.54 9	iPn	PN	14.44 04.5	+0.6
RDO	Rodhopi	1.44 56	PN	Pn	14.43 20.1	+1.3	URLA	Uzurlu	2.87 117	iP	PN	14.43 40.1	+0.6	HCY	Herceg Novi	4.60 299	iPn	PN	14.44 05.2	+1.5
RDO	Rodhopi	1.44 56	P	Pn	14.43 19.9	-1.5	GONE	Gonen-Balikesi	2.88 95	PN	Pn	14.43 41.0	-0.1	HCY	Herceg Novi	4.60 299	iPn	PN	14.44 05.2	+1.5
RDO	Rodhopi	1.44 56	P	Pn	14.43 20.0	-1.3	BALY	Balya	2.89 101	iP	PN	14.43 41.5	+0.2	HCY	Herceg Novi	4.60 299	iPn	PN	14.44 05.2	+1.5
RDO			AML	AML	14.43 44.0		JMB	Jymbol	2.89 42	ePn	PN	14.43 40.0	+1.7	HAY	Herceg Novi	4.60 299	ePn	PN	14.44 06.8	+2.0
RDO	comp=N,32336jum,0.7s		AML	AML	14.43 46.0		JMB	Jymbol	2.89 42	ePn	PN	14.43 40.0	+1.7	DCAT	Dataca	4.61 141	PN	PN	14.44 04.2	-0.8
RDO			AML	AML	14.43 46.0		IGT	Igoumenitsa	2.90 255	P	Pn	14.43 43.8	+1.7	DATC	Dataca-Mugla	4.62 141	PN	PN	14.44 04.2	-0.8
RDO	comp=E,19148jum,0.3s		AML	AML	14.43 46.0		IGT	Igoumenitsa	2.90 255	P	Pn	14.43 43.8	+1.7	SULR	Sulur	4.64 21	iPn	PN	14.44 05.6	+0.3
RDO	Rodhopi	1.44 56	P	Pn	14.43 19.9	-1.5	IGT	Igoumenitsa	2.90 255	P	Pn	14.43 43.8	+1.7	HERR	Herculane	4.66 346	iP	PN	14.44 04.5	-1.1
RZN	Rozhen	1.45 23	P	Pn	14.43 21.0	-0.7	IGT	Igoumenitsa	2.90 255	P	Pn	14.43 43.8	+1.7	TRUS	Trudelj	4.67 327	iPn	PN	14.44 05.4	-0.5
SKY	Skiros Island	1.55 162	P	Pn	14.43 21.7	-1.2	ZFY	Zmir	2.90 136	iP	PN	14.43 41.9	+0.5	YER	Yerkesik	4.68 132	P	PN	14.44 05.4	-0.5
SKY	Skiros Island	1.55 162	P	Pn	14.43 21.7	-1.2	BARS	Barje	2.93 328	ePn	PN	14.43 42.8	+0.3	YER	Yerkesik	4.68 132	P	PN	14.44 06.3	+0.4
SKY	Skiros Island	1.55 162	P	Pn	14.43 21.7	-1.2	BARS	Barje	2.93 328	ePn	PN	14.43 42.8	+0.3	YER	Yerkesik	4.68 132	P	PN	14.44 06.3	+0.4
SMIA	Simia	1.58 201	P	Pn	14.43 22.4	-0.9	BARS	Barje	2.93 328	ePn	PN	14.43 42.8	+0.3	YER	Yerkesik	4.68 132	P	PN	14.44 06.3	+0.4
KKB	Krupnik	1.64 337	P	Pn	14.43 23.6	-0.5	DRO	Drossia	2.96 217	PN	Pn	14.43 43.1	+0.8	MDVR	Moldovita	4.72 340	iP	PN	14.44 06.0	-0.4
KZN	Kozani	1.66 269	P	Pn	14.43 24.3	-0.4	CRLT	Corlu	2.98 74	PN	Pn	14.43 42.3	-0.2	ICOR	Iron Corvin	4.72 367	iP	PN	14.44 06.2	-0.2
KZN	Kozani	1.66 269	P	Pn	14.43 24.3	-0.4	LKDZ	Lefkada Island	2.98 239	P</										



Table with columns for station call signs (e.g., PETR, OZUR, TLR), frequencies, and other technical details. Includes sub-sections like 'comp-Z,138nm,1.0s' and 'comp-Z,2.4nm,0.3s'.

Table with columns for station call signs (e.g., OKC, VRAC, MORC), frequencies, and other technical details. Includes sub-sections like 'comp-Z,2.0nm,0.3s' and 'comp-Z,2.26nm,0.6s'.

Table with columns for station call signs (e.g., MCGM, MNK, KBZ), frequencies, and other technical details. Includes sub-sections like 'comp-Z,1.44nm,18.1s' and 'comp-Z,2.60nm,1.1s'.















1207

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Yellowknife Ar, Cathedral Cave, Van Buren, etc.

2013 FEB

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Linares, Troy Canyon, Lo Mia Camp, etc.

15d 18h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like Warrangung Arr, Warrangung Arr, Warrangung Arr, etc.







Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like Rodhopi, Valandovo, Kozani, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like Vlado, Vladia, Bovas, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like Cruz Islands, DZM, WRA, etc.





Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like RAHZ, HIZ, BKZ, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like STKA, WAKE, ARPS, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like JAGI, JAGI, GMJI, etc.

15d 19h

NJ2	comp=Z,33nm,1.0s								
OHAK	Old Harbor	77.62	14	eP	P			20 06 30.8 +0.3	
VES	Vestal, IL	77.62	46	P	P			20 06 31.9 +0.8	
O02D	Mt. Diablo Mer	77.64	41	P	P			20 06 33.0 +1.7	
VFG	Valley Oaks Go	77.67	45	P	P			20 06 32.3 +1.0	
BFSO	Mount Baldy Ra	77.77	48	P	P			20 06 33.0 +0.8	
MURC	Murrieta	77.77	49	P	P			20 06 33.1 +1.1	
MDJ	Mudanjiang	77.80	325	P	P			20 06 33.3 +1.4	
MDJ	comp=Z,95nm,0.8s								
MDJ	Mudanjiang	77.80	325	eP	P			20 06 33.2 +1.4	
EDW2	Edwards Air Fo	77.86	47	P	P			20 06 33.8 +1.3	
ISA	Isabella, Lake	77.94	46	P	P			20 06 34.1 +1.1	
ISA	Isabella, Lake	77.94	46	eP	P			20 06 34.1 +1.1	
ISA	Isabella, Lake	77.94	46	P	P			20 06 34.5 +1.5	
CMB	Columbia Colle	77.94	43	eP	P			20 06 33.9 +1.0	
CMB	Columbia Colle	77.94	43	eP	P			20 06 33.9 +1.0	
MONP2	Mount Peak	77.96	50	P	P			20 06 34.8 +1.5	
WDC	Whiskeytown Da	78.03	40	eP	P			20 06 34.2 +1.0	
WDC	Whiskeytown Da	78.03	40	eP	P			20 06 34.2 +1.0	
IKP	In-Ko-Pah, Jac	78.07	50	P	P			20 06 35.3 +1.5	
AFDM	Forest Hills D	78.08	42	eP	P			20 06 34.8 +1.2	
N02D	Trinity Center	78.16	40	P	P			20 06 35.6 +1.6	
KDAK	Kodiak Island	78.29	14	eP	P			20 06 34.8 +0.7	
KDAK	Kodiak Island	78.29	14	eP	P			20 06 34.3 +0.2	
KDAK	Kodiak Island	78.29	14	P	P			20 06 34.6 +0.5	
PFO	Pinyon Flats O	78.30	49	eP	P			20 06 35.4 +0.4	
PFO	Pinyon Flats O	78.30	49	P	P			20 06 36.3 +1.3	
PFO	Pinyon Flats O	78.30	49	P	P			20 06 35.8 +0.8	
XPFO	Pion Flat	78.30	49	eP	P			20 06 35.6 +0.6	
M02C	Callahan	78.30	40	P	P			20 06 36.6 +1.8	
L02E	Cave Junction	78.32	39	P	P			20 06 36.3 +1.5	
O03E	Paynes Creek	78.32	41	P	P			20 06 35.7 +0.8	
KEBM	Edson Butte	78.32	38	eP	P			20 06 35.2 +0.5	
LRMC	Laurel Mtn Rd	78.39	47	P	P			20 06 36.5 +1.0	
SWSC	Sam W. Stewart	78.44	50	P	P			20 06 36.9 +1.3	
SRIG	Santa Rosalia	78.50	56	eP	P			20 06 36.5 +0.5	
MYKOM	Kota Tinggi	78.50	276	eP	P			20 06 35.4 -1.0	
RRX	Edison Barstow	78.56	48	P	P			20 06 37.4 +1.2	
MDPB	Devils Postpil	78.59	44	eP	P			20 06 37.4 +0.8	
YBH	Yreka Blue Hor	78.60	39	eP	P			20 06 37.6 +1.3	
YBH	Yreka Blue Hor	78.60	39	eP	P			20 06 37.6 +1.3	
YBH	Yreka Blue Hor	78.60	39	eP	P			20 06 37.7 +1.3	
K02D	Willamette Mer	78.60	38	P	P			20 06 37.6 +1.3	
CWC	Cottonwood Cre	78.62	46	P	P			20 06 37.7 +1.0	
OMMB	Old Mammoth Cr	78.63	44	P	P			20 06 37.5 +0.6	
GRNR	Gornyy	78.68	333	iP	P			20 06 38.5 +2.1	
GRNR	comp=N,80nm,1.0s								
GRNR	comp=E,80nm,1.0s								
J01E	Myrtle Point	78.73	38	P	P			20 06 38.0 +1.2	
NKL	Nikolayevsk	78.73	336	iP	P			20 06 37.0 +0.4	
MLAC	Mammoth, Mammo	78.75	44	P	P			20 06 38.6 +1.1	
WAKR	Walker	78.83	43	eP	P			20 06 38.9 +1.1	
BELC	Belle Mtn. Jos	78.83	49	P	P			20 06 39.1 +1.3	
MPMC	Manual Prospec	78.83	46	P	P			20 06 39.2 +1.3	
TIN	Tinmahua, Big	78.85	45	P	P			20 06 39.4 +1.6	
DAC	Darwin (Calif)	78.87	46	eP	P			20 06 38.7 +0.6	
DAC	Darwin (Calif)	78.87	46	eP	P			20 06 38.7 +0.6	
GSC	Goldstone, Bar	78.91	47	eP	P			20 06 39.2 +1.0	
GSC	Goldstone, Bar	78.91	47	eP	P			20 06 39.2 +1.0	
GSC	Goldstone, Bar	78.91	47	eP	P			20 06 39.3 +1.2	
HUMO	Hull Mountain	78.97	38	P	P			20 06 39.6 +1.4	
BEKR	Beckworth	78.98	42	eP	P			20 06 39.8 +1.2	
HEC	Hector, Ludlow	79.00	48	P	P			20 06 39.7 +1.0	
PNTR	Pine Nut	79.04	43	eP	P			20 06 40.2 +1.3	
BC3	Big Chuckawall	79.05	49	P	P			20 06 40.3 +1.3	
L04D	Klamath Falls	79.13	39	P	P			20 06 40.3 +1.1	
M04C	Macdoel	79.16	40	P	P			20 06 40.7 +1.3	
DL2	Dalian	79.18	317	P	P			20 06 40.3 +1.0	
DL2	Dalian	79.18	317	P	P			20 06 58.3 +3.2	
DL2	comp=Z,33nm,0.8s								
GLAMIS	Glamis	79.21	50	P	P			20 06 41.4 +1.7	
YERR	Yerington	79.22	43	eP	P			20 06 41.0 +1.2	
I02D	Swisshome	79.35	37	P	P			20 06 41.5 +1.4	
I03D	Drain, OR	79.39	37	P	P			20 06 41.6 +1.2	
GRAC	Grapevine Rang	79.40	46	P	P			20 06 42.0 +1.3	
GMCC	Granite Mounta	79.46	48	P	P			20 06 42.2 +1.0	
FURC	Furnace Creek,	79.47	46	P	P			20 06 42.4 +1.5	
RYN	Ryan	79.49	44	eP	P			20 06 42.4 +1.1	
IRM	Iron Mountain	79.52	49	P	P			20 06 42.9 +1.6	
PAHR	Pat Rah Road	79.52	42	eP	P			20 06 42.3 +1.0	
NV01	Mina Array Sit	79.53	44	eP	P			20 06 42.6 +1.1	
NVAR	Mina Array Bea	79.53	44	P	P			20 06 42.8 +1.2	

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SHOC	Shoshone, Teco	79.59	47	P	P			20 06 42.6 +1.0	
TUQ	Turquoise Moun	79.60	48	P	P			20 06 42.8 +0.9	
CN2	Changchun	79.62	323	eP	P			20 06 41.9 +0.3	
CN2	comp=Z,70nm,1.2s								
NV11	Mina Array Sit	79.63	44	eP	P			20 06 43.1 +1.1	
K04D	Chiloquin, OR	79.70	39	P	P			20 06 43.2 +1.0	
KLR	Kuldur	79.74	330	iP	P			20 06 42.8 +0.7	
Y12C	Blythe	79.77	50	P	P			20 06 44.0 +1.4	
J04D	Umpqua Nationa	79.85	38	P	P			20 06 44.3 +1.2	
COR	Corvallis	79.95	37	eP	P			20 06 45.4 +2.1	
I04A	Tendick Farm,	79.99	38	P	P			20 06 44.5 +0.8	
KVN	Kaiserville	80.00	44	eP	P			20 06 44.9 +1.0	
KVN	Kaiserville	80.00	44	eP	P			20 06 44.9 +1.0	
TPNV	Topopah Spring	80.14	46	eP	P			20 06 46.1 +1.4	
TPNV	Topopah Spring	80.14	46	eP	P			20 06 46.1 +1.4	
TPNV	Topopah Spring	80.14	46	P	P			20 06 46.1 +1.4	
MOD	Modoc Plateau	80.17	40	eP	P			20 06 45.8 +1.0	
WHN	Wuhan	80.17	306	iP	P			20 06 46.3 +1.5	
214A	Organ Pipe Nat	80.18	52	P	P			20 06 46.0 +1.2	
NEE2	Needles Airpor	80.20	49	P	P			20 06 46.0 +1.1	
H04D	Lebanon	80.24	37	P	P			20 06 46.0 +1.2	
PDMCI	Parker Dam, Lak	80.31	49	P	P			20 06 47.0 +1.6	
G05D	McMinnville, O	80.35	36	P	P			20 06 46.5 +1.2	
J03D	Fort Rock, OR	80.39	39	P	P			20 06 47.3 +1.5	
BRLK	Bradley Lake	80.46	14	eP	P			20 06 45.2 -0.5	
F03A	Seaside	80.62	36	eP	P			20 06 47.1 +0.4	
H04A	Detroit Lake	80.65	37	eP	P			20 06 47.6 +0.6	
SHPR	Sheep Range	80.67	47	eP	P			20 06 48.7 +1.2	
RSO	Redoubt South	80.68	13	eP	P			20 06 46.3 -0.7	
SVW2	Sparrehow	80.70	11	eP	P			20 06 46.3 -0.5	
BKNI	Battle Mountai	80.72	273	eP	P			20 06 48.0 0.0	
TIA	Tai'an	80.83	313	P	P			20 06 48.8 +0.7	
PINE	Pine Mountain	80.86	38	eP	P			20 06 49.5 +1.2	
W13A	Hualapai Moun	80.89	49	eP	P			20 06 49.9 +1.2	
MA2	Magadan	80.89	345	eP	P			20 06 47.1 -0.7	
MA2	Magadan	80.89	345	eP	P			20 06 47.2 -0.7	
I05D	Tetbonne, OR	80.94	38	P	P			20 06 49.7 +1.1	
Y14A	Wickenburg	80.97	50	eP	P			20 06 49.6 +0.7	
COCO	West Island	81.08	260	eP	P			20 06 50.7 +0.8	
COCO	West Island	81.08	260	eP	P			20 06 50.7 +0.8	
SEW	Seaside	81.10	14	eP	P			20 06 48.1 -0.8	
BMN	Battle Mountai	81.31	43	eP	P			20 06 51.8 +1.1	
BMN	Battle Mountai	81.31	43	eP	P			20 06 51.8 +1.1	
R11A	Troy Canyon, C	81.31	45	eP	P			20 06 51.6 +0.8	
R11A	Troy Canyon, C	81.31	45	P	P			20 06 51.6 +0.8	
NLWA	Neilton Lookou	81.35	34	eP	P			20 06 51.4 +0.8	
GAMB	Gambell	81.39	3	eP	P			20 06 50.7 +0.4	
G05D	Wamic, OR	81.48	37	P	P			20 06 52.2 +0.9	
WVOR	Wild Horse Val	81.49	40	eP	P			20 06 52.3 +0.8	
WVOR	Wild Horse Val	81.49	40	eP	P			20 06 52.3 +0.8	
E04D	Cinebar	81.55	35	P	P			20 06 52.7 +1.2	
F05D	White Salmon	81.77	36	P	P			20 06 53.6 +0.9	
D03D	Eldon	81.85	34	P	P			20 06 54.2 +1.1	
TUC	Tucson	81.87	52	eP	P				





Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like Sarsar, Sidi Chahed, JKB, etc.

DDA 15:20:04.22.1, 39.82N.40.50E, h7km, 3km, ML2.8
ISK 15:20:04.22.8, 39.93N.40.58E, h5km, ML2.3/4,
ISCJB 15:20:04.23.7.0.6, 39.88N.0.03.40.59E.0.04, h5km, 5km,

Main table for Turkey stations including KOP, ECAT, BAYBURT, AYDINTEPE-BAYB, etc.

ISK 15:20:10.55.8, 40.33N.23.93E, h15km, ML2.9/13
SOF 15:20:10.56.6, 40.31N.24.00E, h15km
ISCJB 15:20:10.56.3.0.3, 40.33N.0.02.23.94E.0.02, h11km, 2km,

Main table for Greece stations including OUR, POLYGYROS, PALIOURI, etc.

Main table for Bulgaria stations including KAVLA, THASSOS ISLAND, SOKKHOS, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like LIT, LITOKHORON, AOS, etc.

comp=N,269um,0.3s
comp=E,283um,0.2s
AOS Alonnisos 1.15 182 P S

Main table for Bulgaria stations including AOS, NEOKHORI, KENDRIKON, etc.

comp=N,507um,0.7s
NEO Neokhori 1.15 209 P S
comp=N,474um,0.2s
KNT comp=N,474um,0.2s

Main table for Bulgaria stations including KNT, SMYTH, SMTH, etc.

SOME 15:20:12.40.8, 42.57N.79.75E, h15km
KRNET 15:20:12.42.0.1, 42.56N.79.61E, h10km, mb2.1
NNC 15:20:12.42.4.2.3, 42.57N.79.61E, h0km, mb3.1, mpv2.2,

Main table for Bulgaria stations including UZB, PDGK, PRZ, SATY, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like SATY, KTMS, KURS, etc.

4.5nm,1.0s
10nm,0.2s
KTMS Ketum 1.07 30 P S

Main table for Bulgaria stations including MDOB, IZV, ULHL, BOOM, etc.

NEIC 15:20:13.05.5.0.0, 18.59N.68.45W, h135km, MD3.2(RSPR),
After RSPR,
RSPR 15:20:13.05.5, 18.59N.68.45W, h135km, 6km, MD3.2/8,

Main table for Bulgaria stations including DR12, IDE, AGP, AGPR, etc.

ISK 15:20:22.32.8, 38.72N.25.47E, h18km, ML4.0/38
ISC 15:20:22.32.0.0.9, 38.69N.25.55E, h0km, mb3.4/8,

Main table for Bulgaria stations including BANI, EMPR, CELP, etc.

THE 15:20:22.33.9, 38.72N.25.49E, h14km, ML3.7/8, Error
ellipse: s-maj=0.8km s-min=0.4km az=78.0
DDA 15:20:22.34.3, 38.77N.25.61E, h38km, 1km, ML3.9

Main table for Bulgaria stations including PSRA, CHOS, SGR, etc.



15d 20h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

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Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.





Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like CMAR, CD2, INK, DMGT, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like CJR, VRAC, VYHS, etc.

ISCJUB 15 21:39:14.0e.1.1, 10.0S:0.2:66.7E:0.2, h10km, mb3.7/11, MS3.5/6, Error ellipse: s-maj=37.4km s-min=17.8km az=38.8

IDC 15 21:39:14.0e.1.2, 10.08S:66.59E, h0km, mb3.7/11, mb1 3.8/11, mb1mx3.7/51, mbmp3.7/11, MS3.5/6, Ms1 3.5/6, ms1mx3.1/45, Error ellipse: s-maj=41.7km s-min=18.9km az=40.0

ISC 15 21:39:15.9e.1.3, 10.0S:0.3:66.6E:0.2, h10km, n23, 0.679/13, mb4.0/11, MS3.5/6, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like H08N3, H08N1, H08N2, etc.

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like GOLM, GOLF, SMIR, etc.

ISCJUB 15 22:02:13.7e.0.6, 11.84N:125.71E, h0km, mb4.1/16, mb1 4.2/16, mb1mx4.0/48, mbmp4.1/16, Error ellipse: s-maj=37.9km s-min=13.7km az=68.0

NEIC 15 22:02:18.7e.0.3, 11.79N:125.69E, h35km, mb4.5/25, Error ellipse: s-maj=12.4km s-min=5.1km az=68.0

MAN 15 22:02:13.9e.1.9, 11.84N:125.71E, h1km, MS3.2, ISC 15 22:02:13.9e.1.9, 11.84N:125.71E:0.06, h3km, 12km, n72, n152/87, mb4.5/46, 2C-3D, Samar

Table with columns: Code, Station Name, Az, El, P, Q, R, S, T, U, V, W, X, Y, Z, and various numerical values. Includes stations like BESP, BESP, PALO, etc.

15d 22h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WARRAMUNGA ARR, ALICE SPRINGS, WAKE ISLAND, etc.

ISCJB 15 22:03:46.1±0.2, 46.83N, 0°01'6.58E, 0.02, h10km, 2km, Error ellipse: s-maj=2.0km s-min=1.8km az=24.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SYYP, BRANT, TORNY, etc.

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Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HAU, MRGE, BNALP, etc.

1222

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BAIF, CAF, LFF, etc.

MEX 15 22:19:21.0±0.4, 15.36N, 94°02'W, h16km, 724km, MD3.6, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PCIG, BRG, etc.

IDC 15 22:22:46.1±46.0, 15.89S, 175°25'W, h0km, mb4.1/3, mb1 4.3/3, mb1mx3.7/28, mbtmp4.1/3, Error ellipse: s-maj=878.5km s-min=166.0km az=78.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA, WRA, ASAR, etc.

IDC 15 22:24:06.6±3.4, 10.81S, 166°08'E, h0km, mb3.9/3, mb1 4.1/4, mb1mx3.7/32, mbtmp3.9/4, ML3.7/1, MS3.1/1, Ms1 3.1/1, ms1mx2.6/28, Error ellipse: s-maj=69.6km s-min=44.2km az=85.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR, DZM, WRA, ASAR, MKAR, etc.

IDC 15 22:30:26.0±0.9, 19.15S, 176°34'W, h0km, mb4.2/9, mb1 4.5/10, mb1mx4.2/25, mbtmp4.2/10, ML4.1/1, MS3.9/14, Ms1 3.9/14, ms1mx3.7/28, Error ellipse: s-maj=45.6km s-min=18.0km az=146.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like DZM, WRA, ASAR, MKAR, etc.

ISCJB 15 22:30:39.0±0.4, 18.8S, 0°1x176°71W, 0.08, h100km, mb4.3/28, Error ellipse: s-maj=19.6km s-min=7.7km az=154.2

NEIC 15 22:30:39.2±1.8, 176S, 176°64'W, h92km, 18km, mb4.5/21, Error ellipse: s-maj=28.8km s-min=9.5km az=144.0

ISC 15 22:30:40.2±0.6, 18.8S, 0°2-176°6W, 0.1, h100km, n77, 0206/69, mb4.4/28, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like NONSAUV, OUCEN, RAR, DZM, etc.





15d 23H

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like DZM, URZ, STKA, ASAR, etc.

NIED 15 23:48:00.28'80N,139.80E,h440km,Mw4.3 Best double couple: M3.34000,1015 NP13a42.00000, 328.00000, lambda-118.00000, NP2p253.00000, 866.00000, lambda-76.00000

JMA 15 23:48:28.9.0.1,28.83N,139.80E,h490km,M4.3 MOS 15 23:48:28.6.0.8,28.78N,139.40E,h466km,Mb4.1/43, Error ellipse: s-maj=10.4km s-min=5.8km az=111.5

ISC 15 23:48:29.5.0.5,28.80N,139.52E,h462km,5km,mb3.5/32, m-1 3.6/40, mb1mx3.6/58, mbmt4.3/40, Error ellipse: s-maj=10.1km s-min=7.4km az=81.0

NEIC 15 23:48:30.0.0.6,28.76N,139.45E,h465km,6km,mb4.3/42, Error ellipse: s-maj=6.6km s-min=5.0km az=93.0

ISCJB 15 23:48:29.0.2.2,28.78N,139.52E,0.04, h471km,2km,mb4.0/84, Error ellipse: s-maj=5.6km s-min=4.1km az=170.7

ISC 15 23:48:29.8.0.5,28.82N,139.53E,0.06,h466km,5km, m183, 1527/221, mb4.2/91, 15C-1D, Bonin Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, and various station identifiers. Includes stations like CBJL, CBJ, JCHJ, etc.

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Main table with columns: ENH, Enshi, Time, Res, P, and various station identifiers. Includes stations like ZEA, XAN, PETK, etc.

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Table with columns: WRAB, Tennant Creek, Time, Res, P, and various station identifiers. Includes stations like WB2, WRA, KURK, etc.









Table with columns for station name, frequency, power, and other technical details. Includes stations like GZR, VLAD, PRU, etc.

NIED 16 01:32:00, 37:30N, 141:60E, h41km, Mw4.6 Best double couple: M=9.73000, 1015 NP1, 194.00000, 13.00000, 1.83.00000, NP2=21.00000, 877.00000, 1.92.00000, BUJ 16 01:32:44.9, 37:14N, 141:68E, h38km, mb5.0/42, mb5.0/66, MS4.4/44, MS7.4/44, MOS 16 01:32:49.0, 37:38N, 141:70E, h43km, mb5.2/87, Error ellipse: s-maj=7.3km s-min=5.1km az=102.8, JMA 16 01:32:48.5, 0.1, 37:34N, 141:58E, h45km, 2km, M4.7 Broadband fault plane solution: P waves, NP1: 0.3, 0.00000, 0.73, 0.00000, 1.84, 0.00000, NP2=204.00000, 0.18, 0.00000, 1.10, 0.00000. Principal axes: T Plg61.00000, Azm264.00000; N Plg6.00000, Azm5.00000; P Plg28.00000, Azm98.00000; JMA Felt III J1, ISCJB 16 01:32:48.0, 0.4, 37:34N, 0.02, 141:56E, 0.03, h47km, 2km, mb4.8/214, MS4.0/17, Error ellipse: s-maj=4.2km s-min=3.0km az=63.9, IDC 16 01:32:49.5, 0.5, 37:38N, 141:57E, h46km, 3km, mb4.3/33, mb1.4/54, mb1mx4.4/51, mbtmp4.6/41, MS3.8/14, MS1.3/14, ms1mx3.5/43, Error ellipse: s-maj=11.6km s-min=7.5km az=153.0, NEIC 16 01:32:49.7, 0.3, 37:35N, 141:51E, h49km, 3km, mb4.7/118, Error ellipse: s-maj=3.3km s-min=2.2km az=149.0, NEIC Felt [III] at Sendai, Felt widely in eastern Honshu. Recorded [3 JMA] in Fukushima and Miyagi, ISC 16 01:32:48.9, 0.4, 37:34N, 0.04, 141:61E, 0.04, h46km, 3km, h46km, pP-N, n573, 0.1925/621, m4.8/232, MS4.0/17, 61C-29D, Near east coast of eastern Honshu

Table with columns for Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JFK, ONAJ, JMM, etc.

Main table with columns for station name, frequency, power, and other technical details. Includes stations like SHO, SHIKOTAN, SHO, etc.

Main table with columns for station name, frequency, power, and other technical details. Includes stations like BTO, YAK, YAK, etc.





Table with columns: ELK, ELKO, 75.23, 50, P, P, 01 44 28.9 +1.8, etc. Lists various radio stations and their frequencies.

Table with columns: BRG, BRG, 80.87, 329, eP, P, 01 45 11.0, etc. Lists various radio stations and their frequencies.

Table with columns: DRME, DRME, 85.04, 321, fP, P, 01 45 20.0 +0.4, etc. Lists various radio stations and their frequencies.

Table with columns: TAP, Code, Station Name, A°, AZ°, Phase ID, Time, ISC, RSC, etc. Lists station information for TAP 16 01:34:53.2, 24:32N, 121:34E, h12km, ML2.4, A, Taiwan.





16d 2h

Table with columns: Call sign, Location, Frequency, Power, Mode, and other details. Includes stations like K04D Chiloquin, GEYT Alibek, GYA0B ALIBECK ARRAY, etc.

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Table with columns: Call sign, Location, Frequency, Power, Mode, and other details. Includes stations like CHTO Chiang Mai, CHTO Chiang Mai, CHTO Chiang Mai, etc.

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Table with columns: Call sign, Location, Frequency, Power, Mode, and other details. Includes stations like KVN Kaiserville, WAKR Walker, VOIR Voire, etc.

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D46A	Sault St. Mari	60.52	35	P	P	02 11 24.0	-1.2
BRTR	Keskin Array B	60.53	303	P	P	02 11 25.5	0.0
BRTR	comp=Z,52nm,19.2s,baz=6.5,slow=40				LR	02 41 10.0	
FUORN	Oferpass-Fuorn	60.56	324	eP	P	02 11 25.3	-0.5
D47A	Chapleau	60.56	34	P	P	02 11 24.4	-1.1
G40A	Rib Lake	60.61	40	eP	P	02 11 24.8	-1.1
G40A	Rib Lake	60.61	40	P	P	02 11 24.3	-1.6
H38A	Maiden Rock	60.64	42	P	P	02 11 24.6	-1.5
FLN	La Foliniere	60.65	333	eP	P	02 11 26.1	0.0
D49A	Beulah Townshi	60.73	33	P	P	02 11 25.6	-1.0
LDL	La Druitiere	60.75	333	eP	P	02 11 25.3	-1.5
MPMC	Manual Prospec	60.78	66	P	P	02 11 28.2	+0.8
ISA	Isabella, Lake	60.79	67	eP	P	02 11 27.6	+0.3
ISA	Isabella, Lake	60.79	67	eP	P	02 11 27.6	+0.3
ISA	comp=Z,10.0nm,1.4s				P	02 11 27.7	+0.3
CLF	Chambon-Forêt	60.87	331	eP	P	02 11 26.6	-0.9
PKM	Mcherson Peak	61.01	69	P	P	02 11 30.0	+1.1
VTS	Vitoshia	61.01	313	iP	P	02 11 30.3	+1.5
E47A	Iron Bridge	61.10	35	P	P	02 11 27.2	-1.9
H40A	Chill	61.16	41	P	P	02 11 27.9	-1.7
SHRP	Sheep Range	61.19	64	eP	P	02 11 30.6	+0.5
LRMC	Laurel Mtn Rad	61.23	67	P	P	02 11 30.6	+0.2
LORM	Lormes	61.28	329	eP	P	02 11 30.2	-0.2
LOR	comp=Z,19nm,1.0s				P	02 11 28.9	-1.6
D51A	Lot 18 Range I	61.30	31	P	P	02 11 31.8	+0.5
ISCO	Idaho Springs	61.34	55	eP	P	02 11 31.8	+0.5
ISCO	Idaho Springs	61.34	55	eP	P	02 11 31.8	+0.5
ISCO	comp=Z,6.0nm,1.1s				P	02 11 30.4	-0.8
SHOC	Shoshone, Teco	61.35	65	P	P	02 11 32.3	+1.3
H41A	Junction City	61.35	40	P	P	02 11 28.9	-2.0
OGNE	Ogallala	61.38	51	eP	P	02 11 31.1	-0.1
OGNE	comp=Z,29nm,1.1s				P	02 11 31.0	-0.3
PV21	Cone Mtn., Par	61.39	58	eP	P	02 11 32.2	+0.6
PV09	Paradox Valley	61.40	58	eP	P	02 11 32.0	+0.4
F46A	Macinaw City C	61.41	36	P	P	02 11 30.2	-1.1
CABF	La Chapelle	61.47	327	eP	P	02 11 32.0	+0.2
SMCO	Snowmass	61.47	56	eP	P	02 11 32.5	+0.2
PV23	Carpenter Ridg	61.48	58	eP	P	02 11 32.6	+0.4
SGMF	Saint Gilles	61.50	334	eP	P	02 11 31.4	-0.4
ROSF	Rostreren	61.53	335	eP	P	02 11 32.2	+0.1
PV10	Paradox Valley	61.54	58	eP	P	02 11 33.9	+1.3
PV14	Lion Creek, Pa	61.55	58	eP	P	02 11 32.7	+0.1
SSF	Saint Saulte	61.55	329	eP	P	02 11 34.3	+2.1
DAV	Davao City (W)	61.56	199	LR	LR	02 37 38.9	
PV04	Paradox Valley	61.57	58	eP	P	02 11 33.0	+0.4
PV20	West Nyswonger	61.59	58	eP	P	02 11 33.4	+0.5
D52A	ZEK Kipawa Sen	61.60	31	P	P	02 11 31.1	-1.4
PV07	Paradox Valley	61.61	58	eP	P	02 11 33.6	+0.6
PV19	Morning Glory	61.62	58	eP	P	02 11 33.4	+0.3
PV16	Nyswonger Mesa	61.64	58	eP	P	02 11 33.8	+0.6
PV17	East Wray Mesa	61.65	58	eP	P	02 11 33.9	+0.6
EDW2	Edwards Air Fo	61.66	67	P	P	02 11 34.0	+0.8
PV11	David Mesa, Pa	61.66	58	eP	P	02 11 34.0	+0.6
PV12	Saucer Basin	61.67	58	eP	P	02 11 33.9	+0.4
GSC	Goldstone, Bar	61.70	66	eP	P	02 11 34.4	+0.9
GSC	Goldstone, Bar	61.70	66	eP	P	02 11 34.4	+0.9
GSC	comp=Z,5.0nm,0.9s				P	02 11 34.5	+0.9
PV03	Paradox Valley	61.71	58	eP	P	02 11 34.2	+0.5
PV15	Paradox Valley	61.75	58	eP	P	02 11 34.6	+0.6
PV02	Paradox Valley	61.79	58	eP	P	02 11 34.9	+0.6
PV05	Paradox Valley	61.79	58	eP	P	02 11 34.4	+0.1
H40A	Norwalk	61.79	41	P	P	02 11 32.6	-1.3
PV13	Radium Mtn., P	61.81	58	eP	P	02 11 35.0	+0.6
G46A	Potosky	61.82	36	P	P	02 11 32.4	-1.6
AVF	Avril sur Loir	61.84	329	eP	P	02 11 36.3	+2.1
SMF	Signal de Mont	61.88	329	eP	P	02 11 36.3	+1.8
PV01	Paradox Valley	61.91	58	eP	P	02 11 35.7	+0.6
QUIF	Quistinic	61.92	335	eP	P	02 11 35.0	+0.3
J40A	Soldiers Grove	62.23	41	P	P	02 11 35.4	-1.4
MWC	Mount Wilson	62.23	68	eP	P	02 11 37.7	+0.5
MWC	Mount Wilson	62.23	68	eP	P	02 11 37.7	+0.5
Q24A	Divide	62.24	55	P	P	02 11 35.8	-1.6
HEC	Hector,Ludlow	62.29	66	P	P	02 11 37.7	+0.2
EL3A	Dumoine, Ponti	62.32	30	P	P	02 11 35.8	-1.6
G5M1	Grayling	62.35	36	P	P	02 11 36.1	-1.5
E54A	Lac Daplat, Po	62.36	30	P	P	02 11 36.0	-1.6
BFSC	Mount Baldy Ra	62.36	67	P	P	02 11 38.7	+0.7
LPL	La Plagne	62.37	326	eP	P	02 11 40.9	+2.9
LPG	comp=Z,12nm,1.0s				P	02 11 38.1	-0.1

J41A	Loganville	62.44	41	P	P	02 11 34.6	-3.6
TCF	Touix Ste Croi	62.55	330	eP	P	02 11 41.0	+2.1
GMRC	Granite Mounta	62.57	65	P	P	02 11 40.1	+0.7
K39A	Delwein	62.58	43	P	P	02 11 36.7	-2.4
ALGO	Algonquin Park	62.65	31	P	P	02 11 38.0	-1.6
MFF	Saint Martin d	62.68	332	eP	P	02 11 40.1	+0.3
J42A	Columbus	62.70	40	P	P	02 11 37.9	-2.1
K40A	Colesburg	62.78	42	P	P	02 11 38.7	-1.8
KLBO	Killbear Provi	62.79	33	P	P	02 11 38.9	-1.7
J43A	Natural Harves	62.82	40	P	P	02 11 38.8	-2.0
S22A	4UR Ranch, Cre	62.83	57	eP	P	02 11 41.8	+0.5
S22A	4UR Ranch, Cre	62.83	57	eP	P	02 11 41.8	+0.5
W13A	Huapal Mount	62.90	64	eP	P	02 11 42.3	+0.6
KSCO	Kaye Shedlock	62.98	53	eP	P	02 11 41.8	-0.2
KSCO	Kaye Shedlock	62.98	53	eP	P	02 11 41.8	-0.2
PEMO	Pembroke	63.08	30	P	P	02 11 40.4	-2.0
K41A	Shullsburg	63.08	41	P	P	02 11 41.5	-1.0
L39A	Vinton	63.09	43	P	P	02 11 41.0	-1.6
MBDF	Montbardon	63.12	326	eP	P	02 11 45.1	+2.2
ORIF	Oris-en-Rattie	63.12	327	eP	P	02 11 43.2	+0.3
K42A	Prairie Point,	63.16	41	P	P	02 11 42.9	-0.1
BELC	Belle Mtn. Jos	63.16	66	P	P	02 11 43.9	+0.6
SDCO	Great Sand Dun	63.25	55	P	P	02 11 44.4	+0.3
SDCO	Great Sand Dun	63.25	55	P	P	02 11 44.4	+0.3
IRM	Iron Mountain	63.31	65	P	P	02 11 45.3	+1.1
PFO	Pinyon Flats O	63.35	66	eP	P	02 11 44.6	0.0
PFO	Pinyon Flats O	63.35	66	eP	P	02 11 44.6	0.0
XPFO	Pion Flat	63.35	66	eP	P	02 11 44.8	+0.2
L40A	Anamosa	63.35	42	P	P	02 11 42.7	-1.6
L40A	Anamosa	63.35	42	P	P	02 11 42.4	-1.9
WUAZ	Wupatki	63.37	61	eP	P	02 11 44.6	-0.2
WUAZ	Wupatki	63.37	61	eP	P	02 11 45.7	+1.0
VIVF	Saint-Julien-I	63.43	328	eP	P	02 11 47.0	+2.1
L41A	Preston	63.53	42	P	P	02 11 43.7	-1.8
PDMO	Par D Dam,Lak	63.53	64	P	P	02 11 45.5	0.0
ALFO	Alfred	63.57	28	P	P	02 11 44.1	-1.6
BANO	Bancroft	63.58	31	P	P	02 11 44.3	-1.5
RJF	Les Rejaudoux	63.62	330	eP	P	02 11 48.5	+2.4
M39A	West	63.65	43	P	P	02 11 44.4	-1.9
BC3	Big Chuckawall	63.66	66	P	P	02 11 47.0	+0.4
J47A	Sunmer	63.80	37	P	P	02 11 45.9	-1.3
L42A	Oliver, Polo	63.80	41	P	P	02 11 45.8	-1.5
CAF	Calvaci	63.88	330	eP	P	02 11 48.5	+0.7
M40A	Post Highland	63.89	43	P	P	02 11 46.1	-1.8
Y12C	Blythe	63.90	65	eP	P	02 11 48.6	+0.6
Y12C	Blythe	63.90	65	eP	P	02 11 48.7	+0.6
J48A	Bridge Port	63.98	36	P	P	02 11 48.2	-0.3
MONP2	Monument Peak	64.01	67	P	P	02 11 49.6	+0.5
CBKS	Cedar Bluff	64.02	50	eP	P	02 11 48.3	-0.6
CBKS	Cedar Bluff	64.02	50	eP	P	02 11 48.3	-0.6
CBKS	Cedar Bluff	64.02	50	eP	P	02 11 47.4	-1.4
LEF	La Frestale	64.12	331	eP	P	02 11 50.2	+0.9
M41A	Milan	64.17	42	P	P	02 11 47.6	-2.2
HYB	Hyderabad	64.24	252	iP	P	02 11 50.0	-0.5
Y14A	Wickenburg	64.25	63	eP	P	02 11 52.1	+1.6
IKP	In-Ko-Pah, Jac	64.34	67	P	P	02 11 51.1	0.0
X16A	Lo Mia Camp, P	64.35	62	eP	P	02 11 52.1	+0.9
GLA	Glamis	64.43	65	P	P	02 11 51.6	+0.1
DRWO	Darlington Wes	64.52	32	P	P	02 11 50.5	-1.4
K49A	Clarkson	64.55	36	P	P	02 11 51.1	-1.1
KSU1	Kansas State U	64.66	48	eP	P	02 11 52.0	-1.0
KSU1	Kansas State U	64.66	48	eP	P	02 11 51.4	-1.5
PKME	Peaks-Kenny Pk	64.87	24	P	P	02 11 52.7	-1.5
L47A	Sherwood	64.92	38	P	P	02 11 53.1	-1.4
M45A	Bollermakers S	64.98	39	P	P	02 11 54.8	-0.2
L48A	N Adams	65.12	37	P	P	02 11 54.2	-1.7
O41A	Passleys Farm,	65.27	43	P	P	02 11 55.4	-1.5
N44A	Piper City	65.33	40	P	P	02 11 54.7	-2.5
MTLF	Montolieu	65.38	329	eP	P	02 11 57.2	-0.4
ANMO	Albuquerque	65.51	57	eP	P	02 11 59.4	+0.6
ANMO	Albuquerque	65.51	57	eP	P	02 12 00.0	+1.2
ANMO	Albuquerque	65.51	57	eP			



16d 2h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like PAL Palisades, P54A Ar Sun, U40A Yellville, etc.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like V52A Sevierville, RAYN Ar Rayn, SWET Seville, etc.

1236

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like ASAR Alice Springs, TOAO Torodi Arr. Sit, TORO Torodi Arr. Bea, etc.

DC 16 02:16:04.2-0.6, 52.73N-34.57W, h0km, mb3.8/21, mb1.4/0.24, mb1mx3.8/66, mbimp3.9/24, ML3.3/3, Error ellipse: s-maj=18.5km s-min=11.0km az=4.0

ISCJB 16 02:16:05.4-0.4, 52.73N-0.173W, h0.07, h20km, mb4.0/32, Error ellipse: s-maj=10.4km s-min=5.8km

NEIC 16 02:16:05.7-0.2, 52.70N-34.57W, h10km, mb4.4/19, Error ellipse: s-maj=6.2km s-min=3.4km az=186.0

ISC 16 02:16:07.1-0.5, 52.77N-01.3461W, h0.06, h20km, n65, a070/65, mb4.1/32, Reykjanes Ridge

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like DRLN Deer Lake, SFJD Koorlusuaq, EKA Eskdalemuir Arr, etc.

ISCJB 16 02:17:05.4-0.6, 33.63N-0.09-137.4E-0.1, h352km, mb3.4/5, Error ellipse: s-maj=14.2km s-min=8.7km az=4.4

JMA 16 02:17:05.1-0.5, 33.69N-137.28E, h367km, 5km, M3.1

DC 16 02:17:06.5-0.9, 33.69N-137.25E, h353km, 10km, mb3.1/5, mb1.3/2.9, mb1mx2.9/47, mbimp3.9/9, Error ellipse: s-maj=29.4km s-min=13.6km az=92.0

ISC 16 02:17:06.2-1.0, 33.70N-01.13735E-0.09, h352km, n24, a1906/27, mb3.4/5, Near south coast of eastern Honshu

Table with columns: Code, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like JIE Ise, JHMK Hamakita, JTNC Tanabenahech, etc.





ISCJB 16 04:08:52.4, 0.5, 36.95N, 0.24W, h106km, mb3.4/7, Error ellipse: s-maj=8.0km s-min=5.7km az=165.1  
 IDC 16 04:08:52.7, 4.0, 36.99N, 71.54E, h75km, 29km, mb3.1/7, mb1.3/4.1, mb1mx3.2/6.6, mbtmp3.7/14, Error ellipse: s-maj=43.2km s-min=19.4km az=162.0  
 NNC 16 04:08:57.1, 2.8, 37.68N, 71.14E, h0km, mb4.2, mpv3.8, Error ellipse: s-maj=21.9km s-min=16.3km az=167.0  
 ISC 16 04:08:54.2, 0.3, 37.07N, 0.08, h106km, n36, c228/42, mb3.4/7, 6C-6D, Afghanistan-Tajikistan border region

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
SFK	Sufi-Kurgan	3.34	28	Op	04 09 45.9	+	1.0	
SFK	14nm, 0.3s			Op				
AML	Almayusha	5.34	18	P	04 10 12.3	+0.5		
MNAS	Manas	5.47	8	Op	04 10 13.2	-0.2		
MNAS	5.2nm, 0.4s			Op				
UCH	Uchter	5.66	23	P	04 10 16.4	+0.2		
KNZ	Kyzart	5.79	29	P	04 10 17.7	-0.3		
EKS2	Erkin-Say	5.86	17	P	04 10 19.9	+1.2		
AAK	Ala-Archa	6.02	22	P	04 10 21.8	+0.8		
AAK	Ala-Archa	6.02	22	Op	04 10 21.3	+0.3		
AAK	17nm, 0.9s			Op				
AAK	Ala-Archa	6.02	22	P	04 10 21.9	+0.8		
AAK	2.9nm, 0.3s, baz=161, slow=6.0, SNR=33			Op				
AAK	2.7nm, 0.3s, baz=325, slow=21, SNR=11			Op				
KK31	Karatay Array	6.07	353	Op	04 10 21.2	-0.3		
KK31	1.7nm, 0.3s, baz=176, slow=13, SNR=85			Op				
KK31	8.8nm, 0.6s, baz=158, slow=21, SNR=6.7			Op				
ULHL	Uhaloh	6.34	34	P	04 10 25.7	+0.4		
CHMS	Chumysh	6.43	22	P	04 10 26.7	+0.3		
USP	Ospenovka	6.61	20	P	04 10 29.0	+0.2		
TKM2	Tokmak 2	6.64	27	P	04 10 29.6	+0.2		
TKM2	5.0nm, 0.6s			Op				
TKM2	6.64	27	Op	04 10 29.1	-0.3			
TKM2	5.0nm, 0.6s			Op				
GEYT	Alibek	10.66	279	P	04 11 22.7	-1.1		
GEYT	0.9nm, 0.3s, baz=93, slow=12, SNR=5.1			Op				
GEYT	1.6nm, 0.3s, baz=108, slow=14, SNR=4.4			Op				
MKAR	Makanchi Array	12.60	36	P	04 11 48.5	-1.1		
MKAR	0.2nm, 0.3s, baz=227, slow=16, SNR=16			Op				
PYUN	Piuthan	13.19	129	Op	04 11 53.7	-3.9		
PYUN	11nm, 0.3s			Op				
DANN	Dangsing	15.10	127	Op	04 11 57.3	-4.4		
DANN	6.0nm, 0.4s			Op				
KOLN	Koldanda	13.80	129	Op	04 12 02.3	-3.2		
KURBB	Kurchatov Arra	14.46	18	P	04 12 03.2	+2.5		
AB31	Abkulsak array	14.78	329	P	04 12 15.7	-2.1		
AB31	0.1nm, 0.5s, baz=136, slow=15, SNR=68			Op				
AB31	1.1nm, 0.5s, baz=145, slow=24, SNR=5.7			Op				
PKI	Pulchoki	15.09	125	Op	04 12 18.9	-3.3		
PKI	7.8nm, 0.5s			Op				
GUN	Gumbi	15.18	123	Op	04 12 19.2	-4.1		
GUN	7.1nm, 0.3s			Op				
JIRN	Jiri	15.55	123	Op	04 12 24.7	-3.3		
JIRN	12nm, 0.4s			Op				
BVAR	Borovoye Array	15.97	358	P	04 12 32.5	-0.2		
BVAR	0.4nm, 0.3s, baz=161, slow=10, SNR=7.4			Op				
AKTO	Aktuybinsk	16.49	328	Op	04 12 40.4	+1.4		
AKTO	16nm, 1.0s			Op				
AKTO	Aktuybinsk	16.49	328	P	04 12 39.1	-0.0		
AKTO	1.7nm, 0.3s, baz=140, slow=11, SNR=26			Op				
ZALV	Zalesovo Beam	19.24	24	P	04 13 09.8	-0.2		
ZALV	0.4nm, 0.3s, baz=223, slow=11, SNR=5.5			Op				
SONM	Songino Array	27.70	56	P	04 14 34.2	+1.8		
SONM	0.3nm, 0.3s, baz=257, slow=10, SNR=9.3			Op				
FINES	FINES Array B	37.23	326	P	04 15 57.8	+2.7		
FINES	0.5nm, 0.6s, baz=114, slow=12, SNR=2.8			Op				
ARCES	ARCES Array B	40.77	337	P	04 16 26.5	+2.0		
ARCES	0.3nm, 0.6s, baz=116, slow=10, SNR=3.7			Op				
NOAS	NORSAR Array B	44.16	323	P	04 16 54.0	+2.0		
NOAS	0.5nm, 0.7s, baz=95, slow=7.7, SNR=3.1			Op				
ESDC	Sonsec Array	57.53	298	P	04 18 35.0	+3.2		
ESDC	0.2nm, 0.5s, baz=63, slow=6.1, SNR=3.5			Op				
TORD	Tordi Ar, Bea	66.12	269	P	04 19 32.1	+1.6		
TORD	0.3nm, 0.6s, baz=51, slow=5.7, SNR=6.1			Op				
YKA	Yellowknife Ar	80.66	3	P	04 20 56.8	+1.8		
YKA	0.1nm, 0.4s, baz=352, slow=5.6, SNR=4.1			Op				

ISCJB 16 04:13:57.8, 0.3, 19.59S, 0.03, 69.34W, 0.05, h110km, 3km, mb4.0/1, Error ellipse: s-maj=7.5km s-min=4.4km az=170.9  
 IDC 16 04:13:59.7, 0.7, 19.60S, 69.13W, h109km, 6km, mb4.0/10, mb1.4/1.13, mb1mx3.8/4.1, mbtmp3.1/3.13, MS3.1/1, Ms1.3/0.1, ms1mx2.4/3.3, Error ellipse: s-maj=19.1km s-min=9.8km az=86.0  
 GUC 16 04:13:59.3, 0.5, 19.63S, 69.36W, h97km, 3km, ML4.5  
 NEIC 16 04:13:59.0, 0.0, 19.63S, 69.36W, h97km, mb4.4/5, ML4.5(GUC), After GUC.

NEIC Felt [I] at Alto Hospicio, Camina, Huara and Iquique.  
 VAO 16 04:14:00.9, 1.1, 19.54S, 69.24W, h108km, 14km, mb4.5  
 ISC 16 04:15:58.6, 0.5, 19.60S, 0.03, 69.37W, 0.06, h100km, 4km, h110km, pp-P, n2, c148/96, mb4.0/11, 8C-7D, Northern Chile

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
PB11	IPOC Station P	0.32	240	Op	04 14 13.2	-0.2		
PB11	0.3s, 240/Op			Op				
PB11	IPOC Station P	0.32	240	Op	04 14 14.0	+0.5		
PB11	0.3s, 240/Op			Op				
PB11	0.3s, 240/Op			Op	04 14 25.2	+0.7		
PB11	0.3s, 240/Op			Op	04 14 26.0			
MNMC	Minye Minye	0.52	335	Op	04 14 15.5	+0.6		
MNMC	0.3s, 335/Op			Op				
MNMC	Minye Minye	0.52	335	Op	04 14 15.9	+1.1		
MNMC	0.3s, 335/Op			Op				
MNMC	0.3s, 335/Op			Op	04 14 28.4	+1.4		
MNMC	0.3s, 335/Op			Op	04 14 29.2			
PB08	IPOC Station P	0.57	160	Op	04 14 16.3	+0.9		
PB08	0.3s, 160/Op			Op				
PB08	IPOC Station P	0.57	160	Op	04 14 28.9	+1.0		
PB08	0.3s, 160/Op			Op				
PB08	IPOC Station P	0.57	160	Op	04 14 29.9	+1.0		
PB08	0.3s, 160/Op			Op				
PSGC	Pisagua	0.71	270	Op	04 14 16.6	+0.4		
PSGC	0.3s, 270/Op			Op				
PB12	IPOC Station P	1.34	317	Op	04 14 23.7	+0.7		
PB12	0.3s, 317/Op			Op				
PB12	IPOC Station P	1.34	317	Op	04 14 41.2	-0.2		
PB12	0.3s, 317/Op			Op				
PB12	IPOC Station P	1.34	317	Op	04 14 41.7	+0.3		
PB12	0.3s, 317/Op			Op				
PB01	IPOC Station P	1.44	185	Op	04 14 24.5	+0.3		
PB01	0.3s, 185/Op			Op				
PB01	IPOC Station P	1.44	185	Op	04 14 25.1	+0.9		
PB01	0.3s, 185/Op			Op				
PB01	IPOC Station P	1.44	185	Op	04 14 44.3	+0.7		
PB01	0.3s, 185/Op			Op				
PB01	IPOC Station P	1.44	185	Op	04 14 44.4	+0.8		
PB01	0.3s, 185/Op			Op				
PB01	IPOC Station P	1.44	185	Op	04 14 45.9			
PB01	0.3s, 185/Op			Op				
PB02	IPOC Station P	1.78	196	Op	04 14 28.9	+0.4		
PB02	0.3s, 196/Op			Op				
PB02	IPOC Station P	1.78	196	Op	04 14 28.8	+0.4		
PB02	0.3s, 196/Op			Op				
PB02	IPOC Station P	1.78	196	Op	04 14 52.1	+1.0		
PB02	0.3s, 196/Op			Op				
PB07	IPOC Station P	2.17	193	Op	04 14 35.1	+1.5		
PB07	0.3s, 193/Op			Op				
PB07	IPOC Station P	2.17	193	Op	04 14 33.7	+0.1		
PB07	0.3s, 193/Op			Op				
PB07	IPOC Station P	2.17	193	Op	04 14 59.7	-0.5		
PB07	0.3s, 193/Op			Op				
PB09	IPOC Station P	2.19	177	Op	04 14 34.8	+1.0		
PB09	0.3s, 177/Op			Op				
PB09	IPOC Station P	2.19	177	Op	04 15 01.7	+1.1		
PB09	0.3s, 177/Op			Op				
PB09	IPOC Station P	2.19	177	Op	04 15 08.5			
PB09	0.3s, 177/Op			Op				
PB03	IPOC Station P	2.46	189	Op	04 14 39.1	+1.7		
PB03	0.3s, 189/Op			Op				

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h m s	ISC
PB03	IPOC Station P	2.46	189	Op	04 14 37.3	0.0		
PB03	0.3s, 189/Op			Op				
PB04	IPOC Station P	2.82	195	Op	04 15 05.6	-1.4		
PB04	0.3s, 195/Op			Op				
PB04	IPOC Station P	2.82	195	Op	04 14 42.6	+0.6		
PB04	0.3s, 195/Op			Op				
LVC	Limon Verde	3.02	172	Op	04 14 46.0	+0.9		
LVC	0.3s, 172/Op			Op				
LVC	Limon Verde	3.02	172	Op	04 14 48.2	+3.2		
LVC	0.3s, 172/Op			Op				
LVC	Limon Verde	3.02	172	Op	04 14 46.2	+1.2		
LVC	0.3s, 172/Op			Op				
LVC	Limon Verde	3.02	172	Op	04 15 12.8	+1.1		
LVC	0.3s, 172/Op			Op				
PB								

16d 4h

Table with columns for station name, frequency, power, and signal strength. Includes stations like PCI, NLAI, KKM, TGY, KDI, SGKI, SMKI, etc.

2013 FEB

Table with columns for station name, frequency, power, and signal strength. Includes stations like SARN, DBJI, KPMI, KMG, MANU, etc.

1240

Table with columns for station name, frequency, power, and signal strength. Includes stations like CM01, CM31, CMAR, CHTO, etc.











Table with columns: Station, City, Frequency, Power, Modulation, and other technical details. Includes stations like NKCC, NKC, NNC, etc.

Table with columns: Station, City, Frequency, Power, Modulation, and other technical details. Includes stations like DSB, Dublin, Neumayer, etc.

Table with columns: Station, City, Frequency, Power, Modulation, and other technical details. Includes stations like MDT, Midlett, Novy Kostel, etc.

16d 4h

VLD0	Val d'Or	122.58	18	ePKPdf	PKPdf	04 56 18.8 -0.6
D50A	G1974 Best Tow	122.62	21	P	PKPdf	04 56 19.2 -0.3
K43A	Burlington	122.66	29	P	PKPdf	04 56 19.3 -0.4
H46A	Fife Lake	122.69	26	P	PKIKP	04 56 20.0 +0.1
GLMI	Graying	122.72	25	ePKPdf	PKPdf	04 56 19.0 -0.8
F48A	Evanville	122.72	23	P	PKPdf	04 56 19.9 +0.2
G47A	Hillman	122.75	25	P	PKIKP	04 56 20.2 +0.2
N41A	Harden Midland	122.82	33	ePKPdf	PKPdf	04 56 20.1 0.0
N41A	Harden Midland	122.82	33	P	PKPdf	04 56 20.0 -0.1
D51A	Lot 18 Range I	122.85	20	P	PKPdf	04 56 19.8 -0.2
L43A	Garden Prairie	122.85	30	P	PKPdf	04 56 19.7 -0.4
M42A	Sheffield	122.86	31	P	PKPdf	04 56 19.5 -0.6
E50A	Wahnappatae	122.93	22	P	PKIKP	04 56 20.4 +0.1
F49A	Sandfield	123.00	23	P	PKIKP	04 56 20.6 +0.2
H47A	Reed City	123.06	27	P	PKPdf	04 56 20.4 0.0
I46A	Mio	123.07	25	P	PKIKP	04 56 20.6 0.0
TUL1	Leonard	123.08	40	ePKPdf	PKIKP	04 56 21.6 +0.6
TUL2	Leonard	123.08	40	P	PKPdf	04 56 20.9 +0.1
N42A	Yates City	123.17	32	P	PKPdf	04 56 20.2 -0.5
O41A	Passleys Farm,	123.22	33	P	PKPdf	04 56 20.5 -0.3
L44A	Lake County Fo	123.26	30	P	PKPdf	04 56 20.9 +0.1
D52A	ZEK Kipava Sen	123.27	20	P	PKPdf	04 56 20.9 +0.2
M51A	G1948 Merrick	123.28	21	P	PKIKP	04 56 21.0 0.0
E43A	Waltham Townsh	123.29	31	P	PKPdf	04 56 21.1 +0.2
I47A	Gladwin	123.41	26	P	PKPdf	04 56 21.1 0.0
D53A	Lac Vavive, Po	123.41	19	P	PKPdf	04 56 20.9 -0.1
JCT	Junction City	123.42	48	ePKPdf	PKIKP	04 56 22.1 +0.3
JCT	Junction City	123.42	48	P	PKPdf	04 56 21.3 -0.3
J46A	Howard City	123.43	27	P	PKPdf	04 56 21.2 +0.1
P41A	Barry Barry	123.43	34	P	PKPdf	04 56 21.3 0.0
N43A	Stutzman Famil	123.54	31	P	PKPdf	04 56 21.6 +0.1
I48A	Sherman Twp	123.62	25	P	PKIKP	04 56 21.8 +0.1
F51A	Arnstein	123.65	21	P	PKPdf	04 56 21.2 -0.3
HDIL	Hopedale	123.76	32	ePKPdf	PKIKP	04 56 22.2 +0.1
HDIL	Hopedale	123.76	32	P	PKPdf	04 56 20.8 -1.0
M44A	Midewin, Midew	123.79	30	ePKPdf	PKIKP	04 56 22.4 +0.2
M44A	Midewin, Midew	123.79	30	P	PKPdf	04 56 21.1 -0.8
E52A	Mattawa	123.79	20	P	PKPdf	04 56 20.6 -1.1
Q41A	Truxton	123.84	34	P	PKPdf	04 56 21.2 -0.8
K46A	Dorr	123.89	28	P	PKPdf	04 56 21.9 -0.2
J47A	Summer	123.89	27	P	PKPdf	04 56 21.9 -0.2
P42A	Winchester	123.89	33	ePKPdf	PKIKP	04 56 22.2 0.0
P42A	Winchester	123.89	33	P	PKPdf	04 56 22.0 -0.1
O43A	Sugar Creek Fa	123.94	32	P	PKPdf	04 56 22.1 -0.1
F52A	Sundridge	123.98	21	P	PKPdf	04 56 22.0 -0.1
HHAR	Hobbs	124.02	39	ePKPdf	PKIKP	04 56 22.5 0.0
KLBO	Killbear Provi	124.03	22	P	PKPdf	04 56 22.1 -0.1
E53A	Dumoulin, Ponti	124.04	19	P	PKPdf	04 56 22.3 0.0
ES4A	Lac Duplat, Po	124.15	19	P	PKPdf	04 56 22.3 -0.1
M45A	Boilermakers S	124.18	30	P	PKPdf	04 56 22.2 -0.4
N44A	Piper City	124.18	31	P	PKPdf	04 56 22.1 -0.6
I49A	Point Hope	124.19	25	P	PKPdf	04 56 22.7 +0.1
R41A	Rosebud	124.21	35	P	PKIKP	04 56 23.2 +0.1
K47A	Vermontville	124.26	27	P	PKPdf	04 56 22.8 0.0
Q42A	Golden Eagle	124.26	34	P	PKPdf	04 56 22.8 0.0
WHTX	Lake Whitney,	124.28	45	ePKPdf	PKIKP	04 56 23.8 +0.4
WHTX	Lake Whitney,	124.28	45	P	PKPdf	04 56 22.9 -0.2
ALGO	Algonquin Park	124.28	20	P	PKPdf	04 56 22.3 -0.4
BMRO	Merriville Lake	124.29	23	P	PKPdf	04 56 22.5 -0.2
P43A	Skaggs, Pawnee	124.30	33	P	PKPdf	04 56 23.0 +0.1
J48A	Bridge Port	124.30	26	P	PKPdf	04 56 23.0 +0.2
CCM	Cathedral Cave	124.45	35	ePKPdf	PKIKP	04 56 23.6 0.0
CCM	Cathedral Cave	124.45	35	P	PKPdf	04 56 23.6 0.0
CCM	Cathedral Cave	124.45	35	P	PKIKP	04 56 23.8 +0.2
N45A	Kentland	124.46	30	P	PKPdf	04 56 23.3 +0.1
541A	Jillco Farms,	124.48	36	P	PKPdf	04 56 23.6 +0.2
O44A	Mansfield	124.48	32	P	PKPdf	04 56 22.8 -0.5
J49A	Marlette	124.53	25	P	PKPdf	04 56 22.6 -0.6
R42A	Perry	124.55	26	P	PKPdf	04 56 23.2 -0.1
K48A	Luebbing	124.55	35	P	PKPdf	04 56 23.5 +0.1
LATQ	La Tuque	124.58	15	P	PKIKP	04 56 23.5 0.0
M46A	Old House Fiel	124.60	29	ePKPdf	PKIKP	04 56 24.1 +0.3
M46A	Old House Fiel	124.60	29	P	PKPdf	04 56 23.7 +0.2
U40A	Yellville	124.64	38	P	PKPdf	04 56 23.7 0.0
Q43A	New Douglas	124.70	33	P	PKPdf	04 56 23.9 +0.2
L47A	Sherwood	124.71	28	P	PKIKP	04 56 24.0 0.0
BWLO	Walckert	124.72	23	P	PKIKP	04 56 24.6 +0.6
O45A	Potomac	124.80	31	P	PKPdf	04 56 24.1 +0.2
PEMO	Pembroke	124.80	20	P	PKPdf	04 56 23.7 0.0
N46A	Monticello	124.81	30	P	PKPdf	04 56 23.7 -0.1
W39A	Magazine	124.81	39	ePKPdf	PKIKP	04 56 24.3 -0.1
W39A	Magazine	124.81	39	P	PKPdf	04 56 23.8 -0.2
G53A	Haliburton	124.81	21	P	PKPdf	04 56 23.8 +0.1
833A	Chaparral WMA,	124.83	50	ePKPdf	PKIKP	04 56 25.1 +0.4
833A	Chaparral WMA,	124.83	50	P	PKPdf	04 56 24.9 +0.3
T41A	Mountain View	124.84	36	P	PKPdf	04 56 24.1 0.0
K45A	Carroll	124.86	26	P	PKPdf	04 56 23.3 -0.7
439B	Jarrell	124.86	46	ePKPdf	PKIKP	04 56 24.6 +0.1
435B	Jarrell	124.86	46	P	PKPdf	04 56 24.4 +0.1
P44A	Sand Creek, Wi	124.90	32	P	PKIKP	04 56 24.4 0.0
S42A	Caledonia	124.91	35	P	PKPdf	04 56 24.3 +0.1

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SADO	Sadowa	124.93	21	ePKPdf	PKPdf	04 56 24.1 +0.1
F55A	Otter Lake	124.95	19	P	PKPdf	04 56 23.8 -0.2
FVM	French Village	124.97	35	ePKPdf	PKIKP	04 56 24.8 +0.1
M47A	Cromwell	124.99	29	P	PKPdf	04 56 24.1 -0.1
SFIN	Lafayette	125.02	30	ePKPdf	PKIKP	04 56 24.6 -0.1
SFIN	Lafayette	125.02	30	P	PKPdf	04 56 24.1 -0.1
I51A	baz=319	125.03	23	P	PKIKP	04 56 24.6 0.0
R43A	Red Bud	125.04	34	P	PKPdf	04 56 24.4 0.0
L48A	N Adams	125.09	27	P	PKPdf	04 56 24.5 +0.1
Q44A	Meyer Farm, Va	125.10	33	ePKPdf	PKPdf	04 56 24.7 +0.2
Q44A	Meyer Farm, Va	125.10	33	P	PKPdf	04 56 24.5 +0.1
BANO	Bancroft	125.14	20	P	PKPdf	04 56 24.6 +0.2
TRQ	Mont Tremblant	125.15	17	ePKPdf	PKIKP	04 56 25.0 +0.2
AAAM	Ann Arbor	125.16	26	ePKPdf	PKIKP	04 56 24.5 0.0
AAAM	Ann Arbor	125.16	26	ePKIKP	PKIKP	04 56 24.5 0.0
AAAM	Ann Arbor	125.16	26	P	PKPdf	04 56 24.6 +0.1
U41A	Viola	125.21	37	P	PKPdf	04 56 24.9 +0.1
T42A	Van Buren	125.24	36	ePKPdf	PKIKP	04 56 25.0 +0.2
T42A	Van Buren	125.24	36	P	PKPdf	04 56 25.0 +0.2
L49A	Milan	125.26	27	P	PKPdf	04 56 24.7 0.0
P45A	Graceland, Par	125.32	32	ePKPdf	PKIKP	04 56 25.1 +0.3
P45A	Graceland, Par	125.32	32	P	PKPdf	04 56 25.2 +0.3
M48A	Edgerton	125.32	28	P	PKPdf	04 56 24.8 0.0
N47A	Urbana	125.33	29	P	PKPdf	04 56 24.6 -0.3
G55A	Calabogie	125.35	19	P	PKPdf	04 56 24.7 0.0
MIAR	Mount Ida	125.35	40	ePKPdf	PKIKP	04 56 25.6 +0.1
MIAR	Mount Ida	125.35	40	ePKIKP	PKIKP	04 56 24.8 -0.3
MIAR	Mount Ida	125.35	40	P	PKPdf	04 56 24.8 -0.3
PLVO	Plevna	125.42	20	ePKPdf	PKIKP	04 56 25.2 0.0
PLVO	Plevna	125.42	20	P	PKPdf	04 56 24.2 -0.7
V41A	Mountainview	125.44	38	P	PKPdf	04 56 25.0 -0.3
S43A	Fulton Ridge,	125.45	35	P	PKIKP	04 56 25.3 +0.1
P46A	Rosdale	125.53	31	P	PKIKP	04 56 25.7 0.0
R44A	Waltonville	125.53	34	P	PKIKP	04 56 25.6 +0.3
Q45A	Warren Harvey,	125.57	32	P	PKIKP	04 56 25.8 +0.1
I53A	Kortright CN E	125.57	22	P	PKIKP	04 56 25.4 +0.2
ACTO	Acton	125.57	23	P	PKIKP	04 56 25.6 0.0
O47A	Sheridan	125.59	30	P	PKIKP	04 56 25.3 0.0
ALFO	Alfred	125.59	18	P	PKIKP	04 56 25.1 -0.1
U42A	Revdenden	125.61	37	P	PKIKP	04 56 25.7 +0.1
PKRO	Pickering	125.64	22	P	PKIKP	04 56 25.5 +0.2
N48A	Decatur	125.66	29	P	PKIKP	04 56 25.6 +0.1
M49A	Liberty Center	125.67	27	P	PKIKP	04 56 25.4 -0.1
T43A	Greenville	125.67	35	P	PKIKP	04 56 25.6 0.0
DELO	Deloro Mine	125.69	20	P	PKIKP	04 56 25.3 -0.2
QLIL	Jesita	125.71	32	ePKPdf	PKIKP	04 56 26.2 +0.1
J52A	Paris	125.72	23	P	PKIKP	04 56 25.5 -0.1
K51A	Iona Station	125.73	25	P	PKIKP	04 56 25.3 -0.3
L50A	baz=326	125.74	26	P	PKIKP	04 56 25.3 -0.3
W41B	Gary Mavity, V	125.78	38	ePKPdf	PKIKP	04 56 25.6 -0.3
W41B	Gary Mavity, V	125.78	38	P	PKIKP	04 56 26.0 +0.1
PBMO	Popular Bluff	125.80	36	ePKPdf	PKIKP	04 56 26.2 0.0
H55A	Tweed	125.81	20	P	PKIKP	04 56 25.5 -0.2
S44A	Carbondale	125.83	34	P	PKIKP	04 56 26.5 +0.2
SIUC	Southern Illin	125.84	34	ePKPdf	PKIKP	04 56 26.0 0.0
DRWO	Darlington Wes	125.85	22	P	PKIKP	04 56 25.6 -0.2
DRCO	St. Marys Ceme	125.86	22	P	PKIKP	04 56 26.6 +0.5
WLVO	Wesleyville	125.93	21	P	PKIKP	04 56 26.2 +0.3
I55A	Frankford	125.93	21	P	PKIKP	04 56 26.1 +0.2
R45A	Skyilar, Fairri	125.94	33	P	PKIKP	04 56 26.6 +0.1
UALR	University of	125.98	39	ePKPdf	PKIKP	04 56 26.8 0.0
K52A	Tilsonburg	126.01	24	P	PKIKP	04 56 26.3 +0.2
N49A	Columbus Grove	126.01	28	ePKPdf	PKIKP	

Table with columns: Call Sign, Station Name, Frequency, Power, Class, and other technical details. Includes stations like Houston Renfro, Keystone Colle, Standing Stone, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Class, and other technical details. Includes stations like Kings Mountain, Waverly Hall, Midway, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Class, and other technical details. Includes stations like Zaragoza, Cauca, Santa Helena, etc.

DC 16 04:43:22.4; 1.8, 32:45:5; 69'17W, h0mk, mb3.8/2, mb1 4.0/4, mb1mx3.8/22, mbtm3p.7/4, ML3.8/2, Error ellipse: s-maj=59.5km s-min=36.1km az=0.0 SJA 16:04:43:38.0; 5.5, 31:14:58; 68:83W, h110km, 3km, ML3.8, 4/MS

ISCJ 16 04:43:39.0; 0.7, 31:50:0; 0:06; 68:75W; 0.10, h113km, 5km, mb3.6/2, Error ellipse: s-maj=13.9km s-min=9.6km az=166.0

ISC 16 04:43:39.2; 0.9, 31:48:0; 0:07; 68:76W; 0.07, h108km, 6km, n18, c098/20, 1D, San Juan Province

Table with columns: Code, Station Name, Frequency, Power, Class, and other technical details. Includes stations like San Juan, Cerro Villacium, etc.





PLWZ	Palliser	5.75 201	P	Pn	05 17 36.6	-4.1
TCW	Tory Channel	5.77 209	P	Pn	05 17 37.2	-3.7
TCW	Tory Channel	5.77 209	P	Pn	05 18 42.9	-4.6
TUWZ	Tuamarina	6.09 210	P	Pn	05 17 41.1	-3.9
TUWZ	Tuamarina	6.09 210	P	Pn	05 18 49.5	-5.4
NZ	Nelson	6.16 215	P	Pn	05 17 42.5	-3.5
CMWZ	Cape Campbell	6.26 207	P	Pn	05 17 44.7	-2.6
CMWZ	Cape Campbell	6.26 207	P	Pn	05 17 44.7	-2.6
BSWZ	Blackbirch Sta	6.36 209	P	Pn	05 17 44.9	-3.7
THZ	Topohuse	6.61 214	ePn	Pn	05 17 51.0	-3.5
THZ	Topohuse	6.61 214	eSn	Pn	05 19 07.2	-4.8
THZ	Topohuse	6.61 214	eSn	Pn	05 19 07.2	-4.8
KHZ	Kahutara	7.08 208	ePn	Pn	05 17 54.0	-4.0
KHZ	Kahutara	7.08 208	eSn	Pn	05 19 12.7	-5.6
KHZ	Kahutara	7.08 208	P	Pn	05 17 53.6	-4.3
DSZ	Denisoni Nort	7.33 219	P	Pn	05 17 56.7	-4.6
RAO	Raoul Island	7.75 27	P	Pn	05 18 02.5	-4.3
RAO	55nm,0.3s,baz=72,slow=20,SNR=3.1		S	Pn	05 19 22.5	-1.2
RAO	696nm,0.3s,baz=77,slow=21,SNR=8.6		S	Pn	05 18 04.3	-4.4
LTZ	Lake Taylor	7.91 212	ePn	Pn	05 19 30.2	-7.6
LTZ	Lake Taylor	7.91 212	P	Pn	05 18 04.0	-4.7
INZ	Inchbonnie	8.24 216	P	Pn	05 18 08.1	-4.9
OKCZ	Okains Bay	8.39 205	P	Pn	05 18 10.6	-4.5
CRLZ	Canterbury Las	8.42 208	ePn	Pn	05 18 10.8	-4.5
CRLZ	Canterbury Las	8.42 208	eSn	Pn	05 18 10.8	-4.5
CRLZ	Canterbury Las	8.42 208	P	Pn	05 18 11.0	-4.4
OXZ	Oxford	8.45 211	ePn	Pn	05 18 10.8	-5.0
OXZ	Oxford	8.45 211	eSn	Pn	05 19 14.8	-8.9
OXZ	Oxford	8.45 211	P	Pn	05 18 10.4	-5.3
MOZ	McQueen's Vall	8.53 207	ePn	Pn	05 18 11.6	-5.1
MOZ	McQueen's Vall	8.53 207	eSn	Pn	05 19 42.7	-1.0
CTZ	Chatham Island	8.54 153	ePn	Pn	05 18 17.3	+0.4
AKCZ	Akaroa Harbour	8.56 206	P	Pn	05 18 13.1	-4.4
IS6NZ	CHATHAM INFRAS	8.75 153	P	Pn	05 18 13.0	-6.6
RPZ	Rata Peaks	9.19 213	P	Pn	05 18 21.3	-4.1
RPZ	105nm,0.3s,baz=24,slow=1.5,SNR=161		S	Pn	05 19 58.6	-1.0
RPZ	107nm,0.3s,baz=34,slow=19,SNR=20		S	Pn	05 18 26.8	-4.4
FOZ	Fox Glacier	9.64 218	ePn	Pn	05 20 09.1	-1.0
LBZ	Lake Benmore	10.10 214	ePn	Pn	05 18 33.3	-4.0
LBZ	Lake Benmore	10.10 214	eSn	Pn	05 20 21.8	-8.2
ODZ	Otauhu Downs	10.43 210	ePn	Pn	05 18 37.8	-3.6
ODZ	Otauhu Downs	10.43 210	eSn	Pn	05 20 29.9	-7.9
WKZ	Wanaka	10.98 216	ePn	Pn	05 18 43.8	-4.8
WKZ	Wanaka	10.98 216	eSn	Pn	05 18 54.7	-4.4
WHZ	Wether Hill	12.28 215	ePn	Pn	05 19 00.5	-4.5
DCZ	Deep Cove	12.35 218	ePn	Pn	05 19 02.0	-4.0
PYZ	Puysegur Point	13.08 217	ePn	Pn	05 19 12.6	-2.6
PINNC	Pines Island,	16.39 323	eP	Pn	05 19 56.6	+0.8
LHI	Lord Howe Isla	16.43 281	eP	Pn	05 19 59.2	+2.9
MARNC	Mare, Loyalty	17.09 327	eP	Pn	05 20 04.6	+0.4
ONTNC	Ouen Toro	17.14 321	eP	Pn	05 20 05.0	+0.2
DZM	Mont Dumac	17.34 321	eP	Pn	05 20 06.2	+0.6
DZM	Mont Dumac	17.34 321	eP	Pn	05 20 07.7	+0.4
DZM	Mont Dumac	17.34 321	P	Pn	05 20 06.3	+0.6
MSVF	Nonsavu	18.43	0	P	05 20 15.9	-1.6
MSVF	Nonsavu	18.43	0	P	05 20 17.7	+0.2
NIUE	Niue	20.12	35	P	05 20 36.8	+1.2
NIUE	Niue	20.12	35	P	05 20 36.9	+1.4
MGCD	Mangrove Creek	22.31 270	P	P	05 21 01.1	+3.2
ARMA	Armidale	22.77 277	P	P	05 21 05.3	+3.0
ARMA	Armidale	22.77 277	eP	P	05 21 06.9	+4.6
MILA	Mila	23.15 259	P	P	05 21 08.4	+2.8
CNB	Canberra Magne	23.25 264	P	P	05 21 08.6	+2.1
CAN	Canberra	23.54 264	eP	Pn	05 21 19.9	+2.9
CAN	Canberra	23.54 264	ePn	Pn	05 24 49.1	+0.5
CAN	Canberra	23.54 264	eP	Pn	05 21 12.0	+2.9
CAN	Canberra	23.54 264	eP	Pn	05 24 49.1	
YNG	Young	24.23 266	P	P	05 21 18.4	+2.9
TAU	Tasmania Unive	24.50 245	eP	P	05 21 20.5	+2.8
TAU	Tasmania Unive	24.50 245	eP	P	05 21 20.5	+2.8
MOO	Mooralands	24.56 246	P	P	05 21 20.7	+2.4
EIDS	Eidsvold	25.48 288	P	P	05 21 28.9	+2.2
EIDS	Eidsvold	25.48 288	P	P	05 21 28.1	+1.4
EIDS	Eidsvold	25.48 288	ePn	Pn	05 24 53.4	+0.4
TOO	Toolangi	25.99 257	eP	Pn	05 21 34.1	+2.8
TOO	Toolangi	25.99 257	eP	Pn	05 21 33.7	+2.5
TOO	Toolangi	25.99 257	eP	Pn	05 24 54.5	
TOO	Toolangi	25.99 257	eP	Pn	05 21 33.7	+2.5
RMQ	Roma	26.73 283	P	P	05 21 40.8	+2.8
CMSA	Cobar Meteorol	27.18 270	P	P	05 21 44.4	+2.6
FUNA	Funafuti	27.60 2	eP	P	05 21 43.9	-1.8
ARPS	Mount Arapiles	28.99 258	P	P	05 22 00.9	+3.0
STKA	Stevens Creek	30.38 267	P	P	05 22 12.4	+2.2
STKA	Stevens Creek	30.38 267	eP	P	05 22 12.5	+2.2
STKA	Stevens Creek	30.38 267	ePn	Pn	05 25 05.6	+0.6
STKA	Stevens Creek	30.38 267	ePn	Pn	05 32 34.1	-1.9
STKA	Stevens Creek	30.38 267	ePn	Pn	05 22 11.8	+1.6
STKA	Stevens Creek	30.38 267	ePn	Pn	05 25 04.5	-0.5
STKA	Stevens Creek	30.38 267	ePn	Pn	05 32 34.1	-1.9
TBI	Tubuai	30.85 74	eP	P	05 22 45.6	
HNR	Honiara	31.34 324	eP	P	05 22 19.2	+0.5
HNR	Honiara	31.34 324	eP	P	05 22 19.2	+0.5
HNR	Honiara	31.34 324	eP	P	05 22 18.6	-0.1
HTT	Hallett	32.08 263	P	P	05 22 27.0	+1.9
CTA	Charters Tower	32.12 291	P	P	05 22 26.4	+0.8
CTA	Charters Tower	32.12 291	eP	P	05 22 26.6	+1.1
CTA	Charters Tower	32.12 291	eP	P	05 22 26.6	+1.1
PAE	Paea	34.07 66	eP	P	05 22 43.4	+1.0
PAE	Paea	34.07 66	eT	P	05 55 52.4	
PP2T	Papeete2	34.12 66	eP	P	05 22 44.2	+1.3
PP2T	Papeete2	34.12 66	eT	P	05 56 09.3	
PP2T	Papeete2	34.13 66	eP	P	05 22 44.5	+1.6
PP2T	Papeete2	34.13 66	eP	P	05 22 42.3	-0.6
QSPA	South Pole Qui	53.89 180	eP	P	05 25 22.6	+1.1
QSPA	South Pole Qui	53.89 180	eP	P	05 25 22.2	+2.9
QSPA	South Pole Qui	53.89 180	eP	P	05 26 23.9	+1.8
QSPA	South Pole Qui	53.89 180	eP	P	05 25 22.2	+2.9
QSPA	South Pole Qui	53.89 180	eP	P	05 26 23.9	+1.8
TVO	Taravao	34.23 66	eP	P	05 22 45.1	+1.2
TVO	Taravao	34.23 66	eT	P	05 57 03.0	
TIAR	Tiararua	34.30 66	eP	P	05 22 45.8	+1.3
BBOO	Buckleboo	34.56 263	P	P	05 22 47.6	+1.1
BBOO	Buckleboo	34.56 263	eP	P	05 22 47.2	+0.7
BATI	Bati	34.62 18	eP	P	05 22 47.0	+0.5
KNTN	Kanton	34.62 18	eP	P	05 22 47.5	+0.4
MITSU	Mount Surprise	34.76 292	P	P	05 22 50.3	+1.2
QIS	Mount Isa	36.97 284	P	P	05 23 08.3	+1.2
VAH	Vaihoa	37.05 65	eT	T	05 58 58.1	
TARA	Tarawa	37.70 352	eP	P	05 23 11.5	-1.7
COEN	Coen	38.26 296	P	P	05 23 19.5	+1.4
COEN	Coen	38.26 296	eP	P	05 23 19.3	+1.3
RABL	Rabaul	39.80 317	eP	P	05 23 31.4	+0.7
AS01	Alice Springs	39.88 276	eP	P	05 23 32.2	+0.8
AS31	Alice Springs	39.88 276	eP	P	05 23 32.4	+0.7
ASAR	Alice Springs	39.91 276	P	P	05 23 32.5	+0.9
ASAR	Alice Springs	39.91 276	P	P	05 28 60.0	-3.2
ASAR	Alice Springs	39.91 276	P	P	05 29 25.4	+3.6
ASAR	Alice Springs	39.91 276	P	P	05 32 41.6	-2.0
ASAR	Alice Springs	39.91 276	P	P	05 40 57.9	
WC3	Warramunga Arr	41.44 281	eP	P	05 23 44.6	+0.7
WB2	Warramunga Arr	41.44 281	eP	P	05 23 44.8	+0.6
WRB	Wrennann Creek	41.45 281	eP	P	05 25 37.8	-1.1
WRAB	Wrennann Creek	41.45 281	eP	P	05 23 44.0	+0.6
WRAB	Wrennann Creek	41.45 281	eP	P	05 25 37.8	-1.1
WRAB	Wrennann Creek	41.45 281	eP	P	05 23 44.3	+0.1
WR1	Warramunga Arr	41.45 281	eP	P	05 23 44.4	+0.1
WR1	Warramunga Arr	41.45 281	eP	P	05 25 37.8	-0.4
WR1	Warramunga Arr	41.45 281	eP	P	05 29 11.3	+2.1
WR1	Warramunga Arr	41.45 281	eP	P	05 29 46.0	+1.5
WR1	Warramunga Arr	41.45 281	eP	P	05 32 42.9	-1.4
WR1	Warramunga Arr	41.45 281	eP	P	05 23 44.4	+0.1
WRA	Warramunga Arr	41.45 281	eP	P	05 25 37.8	-0.4
WRA	Warramunga Arr	41.45 281	eP	P	05 29 11.3	+2.1
WRA	Warramunga Arr	41.45 281	eP	P	05 29 46.0	+1.5
WRA	Warramunga Arr	41.45 281	eP	P	05 32 42.8	-2.2
WRA	Warramunga Arr	41.45 281	eP	P	05 23 46.6	+0.9
FORT	Forrest	41.65 263	eP	P	05 23 46.5	+0.8
FORT	Forrest	41.65 263	eP	P	05 25 38.0	-0.7
VNDA	Vanda	41.98 185	eP	P	05 25 31.1	+3.3
VNDA	Vanda	41.98 185	eP	P	05 25 51.4	
VNDA	Vanda	41.98 185	eP	P	05 25 40.5	+1.4
VNDA	Vanda	41.98 185	eP	P	05 25 50.5	+2.7
VNDA	Vanda	41.98 185	eP	P	05 25 40.8	+1.8
SBA	Scott Base	42.00 184	eP	P	05 25 53.2	+5.8
SBA	Scott Base	42.00 184	eP	P	05 25 41.2	+2.2
SBA	Scott Base	42.00 184	eP	P	05 25 53.8	+5.9
SBA	Scott Base	42.00 184	eP	P	05 25 41.2	
RKT	Rikitea	42.49 85	eT	P	06 07 14.8	
WRKA	Warakama	43.80 270	P	P	05 24 02.6	-0.6
MANU	Manus Island	44.29 313	eP	P	05 24 08.0	+1.0
KWAJ	Kwajalein Atol	45.86 346	eP	P	05 24 18.2	-1.0
KWAJ	Kwajalein Atol	45.86 346	eP	P	05 24 18.2	-1.0
PATS	Pohnpei	46.67 333	P	P	05 24 26.4	+0.7
PATS	Pohnpei	46.67 333	eP	P	05 24 25.9	+0.3
KDU	Kakadu	47.09 288	P	P	05 24 28.7	-0.2
MTN	Manton Dam	48.03 287	P	P	05 24 36.2	+0.1
MTN	Manton Dam	48.03 287	eP	P	05 24 36.1	-0.1
JAY	Jayuya	48.09 306	P	P	05 24 36.3	-0.4
KNRA	Kunurra	48.22 282	P	P	05 24 38.3	+0.7
GENI	Genyem	48.39 305	P	P	05 24 39.1	+0.2
CASY	Casey	48.44 210	eP	P	05 24 40.0	+1.4
RKGY	Rocky Gulf	49.04 253	P	P	05 24 46.1	+2.4
FITZ	Fitzroy Crossi	49.38 277	P	P	05 24 47.1	+0.6
FITZ	Fitzroy Crossi	49.38 277	P	P	05 24 47.0	+0.6
FITZ	Fitzroy Crossi	49.38 277	P	P	05 24 47.0	+0.6
FITZ	Fitzroy Crossi	49.38 277	P	P	05 44 25.5	
NWAO	Narrogin (SRO)	49.45 255	P	P	05 24 47.5	+0.7
NWAO	Narrogin (SRO)	49.45 255	eP	P	05 24 47.2	+0.4
NWAO	Narrogin (SRO)	49.45 2				

16d 5h

Table with columns for call sign, name, frequency, mode, and other technical details. Includes call signs like JHJ, KRJI, PDSI, YOJ, etc.

2013 FEB

Table with columns for call sign, name, frequency, mode, and other technical details. Includes call signs like TEY, WHN, MSHR, etc.

1250

Table with columns for call sign, name, frequency, mode, and other technical details. Includes call signs like CHTO, CHIO, CHIO, etc.

PDMCI	Parker Dam, Lak	94.45	50	P	P	05 29 16.1 +2.0
NEE2	Needles Airpor	94.46	50	P	P	05 29 16.0 +1.8
PNTR	Pine Nut	94.46	44	eP	P	05 29 15.0 +0.7
KLR	Kul'dur	94.48	332c	/P	P	05 29 13.1 -0.8
KLR	Kul'dur	94.49	332	P	P	05 29 13.3 -0.5
KLR	comp=Z,12nm,1.0s,baz=177,slow=2.1,SNR=15					05 33 00.4 -4.5
KLR	comp=Z,10nm,1.4s,baz=149,slow=8.4,SNR=3.6					06 09 15.4
LO2E	Cave Junction	94.49	39	P	P	05 29 15.4 +1.2
VCNR	Virginia City	94.48	44	eP	P	05 29 15.2 +0.4
BEKR	Beckworth	94.58	43	eP	P	05 29 15.2 +0.4
YERR	Yerington	94.59	44	eP	P	05 29 15.0 +0.1
KEBM	Edson Butte	94.63	39	eP	P	05 29 16.1 +1.2
YBHB	Yreka Blue Hor	94.64	40	eP	P	05 29 15.7 +0.7
YBHB	Yreka Blue Hor	94.64	40	eP	P	05 29 15.7 +0.7
YBHB	comp=Z,53nm,1.3s					05 29 15.5 +0.5
YBHB	comp=Z,20nm,1.0s,baz=173,slow=2.6,SNR=35					05 29 15.7 +0.1
NV01	Mina Array Sit	94.74	45	eP	PKIKP	05 34 02.6 +5.7
NV01	Mina Array Bae	94.74	45	eP	PKIKP	05 29 16.2 +0.6
NVAR	comp=Z,1.0nm,0.8s,baz=223,slow=4.7,SNR=3.3					05 33 58.1 +1.2
NVAR	comp=Z,0.6nm,0.7s,baz=166,slow=1.6,SNR=4.7					05 46 10.6 -1.6
NKL	Nikolayevsk	94.74	338	eP	P	05 29 13.0 -1.9
NKL	comp=Z,91nm,1.5s					05 29 16.2 +0.6
RYN	Ryan	94.75	45	eP	P	05 29 16.6 +0.6
NV11	Mina Array Sit	94.83	45	eP	P	05 29 16.4 +0.7
BJT	Baijiatuu	94.83	317	eP	P	05 29 16.4 +0.7
BJT	Baijiatuu	94.83	317	eP	P	05 29 16.4 +0.7
BJT	comp=Z,210nm,2.0s					05 29 15.9 +0.2
BJI	Beijing	94.84	317	P	P	05 29 16.8 +1.0
K02J	Williamette Me	94.84	39	P	P	05 29 17.9 +1.6
Y14A	Wickenburg	94.92	51	eP	P	05 29 17.7 +1.2
TPNV	Topopah Spring	94.93	47	eP	P	05 29 17.7 +1.2
TPNV	Topopah Spring	94.93	47	eP	P	05 29 17.7 +1.2
TPNV	comp=Z,58nm,1.3s					05 29 17.8 +1.3
TPNV	Topopah Spring	94.93	47	P	P	05 29 17.2 +0.5
PAHR	Pat Rah Range	95.01	43	eP	P	05 29 17.8 +1.2
J01E	Myrtle Point	95.05	39	P	P	05 29 17.3 +0.2
XAN	Xi'an	95.08	309	P	P	05 33 12.2 +2.2
XAN	comp=Z,26nm,1.6s					05 29 17.9 +0.8
XAN	comp=Z,109nm,1.8s					05 29 17.9 +0.8
XAN	comp=Z,109nm,1.8s					05 29 19.0 +1.5
W13A	Hualapai Mount	95.13	50	eP	P	05 29 18.1 +0.9
M04C	Macdoel	95.14	41	P	P	05 29 18.2 +1.1
HUMO	Hull Mountain	95.14	39	eP	P	05 29 18.3 +0.7
L04D	Klamath Falls	95.20	40	P	P	05 29 18.3 +0.2
KVN	Kaiserville	95.28	45	eP	P	05 29 18.3 +0.2
KVN	Kaiserville	95.28	45	eP	P	05 29 19.5 +1.4
SHPR	Sheep Range	95.29	54	eP	P	05 29 20.1 +1.9
TUC	Tucson	95.29	54	P	P	05 29 20.2 +2.1
TUC	Tucson	95.29	54	P	P	05 29 20.3 +2.1
HPIG	comp=Z,16nm,1.4s					05 29 21.5 +1.4
319A	Douglas	95.69	55	eP	P	05 29 22.7 +2.1
MNMC	Minye Minye	95.70	119	eP	P	05 29 20.5 +0.8
I03D	Drain, OR	95.73	38	P	P	05 29 20.9 +0.8
K04D	Chiloquin, OR	95.78	40	P	P	05 29 22.1 +0.7
J04D	Umpqua Nationa	96.03	39	P	P	05 29 21.5 +0.1
MOD	Mocdoc Plateau	96.04	41	eP	P	05 29 24.2 +1.7
X16A	Lo Mia Camp, P	96.22	52	eP	P	05 29 23.1 +0.6
R11A	Troy Canyon, C	96.26	46	eP	P	05 29 23.3 +0.7
R11A	Troy Canyon, C	96.26	46	P	P	05 29 22.6 +0.4
I04A	Tendick Farm,	96.27	39	P	P	05 29 23.8 +1.1
I04A	Corvallis	96.39	38	eP	P	05 29 23.8 +1.1
COR	Corvallis	96.39	38	eP	P	05 29 24.0 +0.6
CD2	Chengdu	96.46	304	P	P	05 30 14.5 -0.6
CD2	comp=Z,15nm,1.0s					05 30 36.0 +3.9
CD2	comp=Z,22nm,0.7s					05 33 21.1 +0.6
CD2	comp=Z,12nm,1.4s					05 40 26.8 0.0
CD2	comp=Z,120nm,1.9s					05 47 07.6 +2.1
CD2	comp=Z,30nm,0.7s					05 29 24.0 +0.6
CD2	comp=Z,900nm,8.3s					05 29 24.7 +0.9
CD2	comp=Z,4um,14.2s					05 29 24.6 +0.2
CD2	comp=Z,3um,11.3s					05 29 25.8 +1.0
J05D	Fort Rock, OR	96.51	40	P	P	05 29 24.7 +0.9
H04D	Lebanon	96.63	38	P	P	05 29 24.7 +0.9
BMN	Battle Mountai	96.71	44	eP	P	05 29 24.6 +0.2
BMN	Battle Mountai	96.71	44	eP	P	05 29 25.8 +1.0
LCMT	Little Creek M	96.77	49	eP	P	05 29 27.8 +2.5
PLTB	Pedras Altas	96.84	138	eP	P	05 29 25.4 +0.6
G03D	McMinnville, O	96.86	37	P	P	05 29 26.9 +1.1
WUAZ	Wupatki	96.96	51	eP	P	05 29 27.4 +1.6
WUAZ	Wupatki	96.96	51	P	P	05 29 25.4 -0.2
H04A	Detroit Lake	97.02	38	eP	P	05 29 26.1 +0.1
PINE	Pine Mountain	97.02	40	eP	P	05 29 27.8 +1.7
KNB	Kanab	97.03	49	eP	P	05 29 27.8 +1.7
KNB	Kanab	97.03	49	eP	P	05 29 27.9 +1.6
CCUT	Cedar City	97.05	48	eP	P	05 29 27.4 +0.8
I05D	Terrebonne, OR	97.20	39	P	P	

SZCU	Shurtz Canyon	97.25	48	eP	P	05 29 28.7 +1.6
WVOR	Wild Horse Val	97.30	42	eP	P	05 29 27.5 +0.4
WVOR	Wild Horse Val	97.30	42	eP	P	05 29 27.5 +0.4
PSUT	Pine Spring	97.40	47	eP	P	05 29 29.0 +1.3
121A	Cookes Peak, D	97.40	55	P	P	05 29 29.3 +1.4
F04D	Rainier, OR	97.61	37	P	P	05 29 29.3 +1.1
PKCU	Pink Cliffs	97.62	49	eP	P	05 29 30.6 +1.7
W18A	Petrified Fore	97.75	52	eP	P	05 29 30.8 +1.4
W18A	Petrified Fore	97.75	52	eP	P	05 29 30.8 +1.5
G05D	Wamic, OR	97.85	38	P	P	05 29 30.0 +0.7
HHC	Hu-ho-hao-te	97.96	315	eP	P	05 29 32.3 +2.2
HHC	comp=Z,4.0nm,0.6s					05 29 30.3 +0.3
I07A	Iezes	97.97	40	eP	P	05 29 32.0 +1.6
CP5B	Capacava Do Su	97.97	137	eP	P	05 29 30.9 +0.7
J08A	Circle Bar Ran	98.02	41	eP	P	05 29 31.0 +0.4
ELK	Elko	98.05	45	eP	P	05 29 31.0 +0.4
ELK	Elko	98.05	45	eP	P	05 29 31.0 +0.4
MTPU	Mount Pierson	98.08	48	eP	P	05 29 32.5 +1.5
MA2	Magadan	98.10	346	iP	P	05 29 30.7 +0.7
MA2	comp=Z,4.0nm,1.0s					05 29 28.8 -1.2
MA2	Magadan	98.10	346	P	P	05 29 33.3 +2.8
NLWA	Neilton Looko	98.14	36	eP	P	05 29 31.4 +0.8
E04D	Cinebar	98.16	37	P	P	05 29 32.0 +0.3
LTX	Lajitas	98.26	60	eP	P	05 29 32.0 +0.3
LTX	Lajitas	98.26	60	eP	P	05 29 32.0 +0.3
TXAR	Lajitas Array	98.26	60	eP	P	05 29 32.0 +0.3
TXAR	comp=Z,1.7nm,0.9s,baz=210,slow=7.2,SNR=14					05 34 03.4 +0.2
TXAR	comp=Z,0.5nm,0.8s,baz=238,slow=3.1,SNR=2.5					05 46 02.7 +0.7
MSU	Marysville	98.39	48	eP	P	05 29 34.2 +2.1
MSU	Marysville	98.39	48	eP	P	05 29 33.9 +1.3
MNTX	Cornudas Mount	98.50	57	eP	P	05 29 33.5 +0.9
MNTX	comp=Z,2.0nm,0.6s,baz=104,slow=3.0,SNR=3.2					05 29 33.3 +1.2
D04E	Lakebay	98.50	36	P	P	05 29 34.3 +1.8
D03D	Eldon	98.61	36	P	P	05 29 36.3 +2.1
LPAZ	La Paz	98.61	117	eP	P	05 46 01.6 +0.6
LPAZ	La Paz	98.61	117	P	P	05 29 35.9 +1.7
LPAZ	comp=Z,2.5nm,0.8s,baz=209,slow=5.0,SNR=8.5					05 46 01.6 +0.6
LPAZ	La Paz	98.61	117	eP	P	05 29 36.9 +2.6
LNIG	Linares	98.66	66	eP	P	05 29 34.2 +0.7
LNIG	comp=Z,7.4nm,1.2s					05 29 33.4 +0.4
CPUP	Villa Frida	98.75	132	eP	P	05 45 59.0 -0.9
CPUP	comp=Z,3.3nm,0.8s,baz=101,slow=4.3,SNR=8.8					05 29 38.0 +3.9
D05A	Enumclaw	98.89	37	eP	P	05 29 35.1 +1.2
Y22D	IRIS PASSCAL I	98.92	54	P	P	05 29 35.5 +0.9
LAZ	Ladron	98.98	54	eP	P	05 29 36.6 +1.7
F07A	Phinny Hill Vi	99.00	39	eP	P	05 29 34.4 0.0
G08A	comp=Z,6.2nm,1.1s					05 29 35.2 +0.3
DUG	Dugway, Tooele	99.09	46	eP	P	05 29 35.9 +0.8
DUG	Dugway, Tooele	99.09	46	eP	P	05 29 35.9 +0.8
DUG	comp=Z,14nm,1.1s					05 29 35.5 +0.4
DUG	Dugway, Tooele	99.09	46	P	P	05 29 37.5 +1.6
Q16A	Cas Valley	99.25	48	eP	P	05 29 37.9 +1.4
NLU	North Lily Min	99.37	47	eP	P	05 29 37.7 +1.0
BGU	Big Grassy Moun	99.43	46	eP	P	05 29 38.5 +1.5
TMUT	Trail Mountain	99.47	48	eP	P	05 29 37.7 +0.9
E07A	Sunnyside	99.50	38	eP	P	05 29 38.9 +1.4
HAWA	Hanford	99.55	38	eP	P	05 30 26.3 +0.5
LZH	Lanzhou	99.59	308	iP	P	05 33 46.3 +1.8
LZH	comp=Z,35nm,1.4s					05 47 50.9 +1.3
B05A	Bryant	99.60	36	P	P	05 29 37.8 +0.9
A04D	Lummi Island	99.63	35	P	P	05 29 38.2 +1.1
BMO	Blue Mountains	99.65	41	eP	P	05 29 38.1 +0.7
BMO	Blue Mountains	99.65	41	eP	P	05 29 39.2 +1.4
ANMO	Albuquerque	99.75	54	eP	P	05 29 39.7 +1.5
ANMO	Albuquerque	99.75	54	eP	P	05 29 39.8 +1.5
ANMO	comp=Z,24nm,3.4s					05 29 38.8 +0.5
GAMB	Gambell	100.01	5	eP	P	05 29 38.3 -0.1
SPUT	South Promonto	100.02	46	eP	P	05 29 40.4 +0.6
HVU	Hansel Valley	100.13	45	eP	P	05 29 40.2 -0.1
PALK	Pallekele	100.16	272	iP	P	05 29 42.1 +1.7
PALK	Pallekele	100.16	272	iP	P	05 29 39.8 -0.6
PV17	East Way Mesa	100.20	50	eP	P	05 29 41.6 +1.1
PV13	Radium Mtn., P	100.22	50	eP	P	05 29 41.8 +1.1
PV09	Paradox Valley	100.23	50	eP	P	05 29 41.1 +0.6
PV03	Altyonger Mesa	100.25	50	eP	P	05 29 41.8 +1.1
PV02	Paradox Valley	100.26	50	eP	P	05 29 41.8 +1.1
D08A	Wollman Farm,	100.31	38	eP	P	05 29 42.2 +1.5
E012	Saucer Basin,	100.33	39	eP	P	05 29 41.4 +0.7
EV9A	Wood Farm, Sta	100.33	39	eP	P	05 29 41.7 +0.9
HLID	Hailey	100.36	43	P	P	05 29 41.3 +0.3
HLID	comp=Z,4.1nm,1.6s					05 29 42.5 +1.0
PV21	Come Mtn., Par	100.37	50	eP	P	05 29 40.9 -0.5
F10A	Beach Ranch, E	100.44	40	eP	P	05 29 40.5 -2.1
TCO	Toone Canyon	100.46	46	eP	P	05 29 43.4 +0.1
SEA	Susitna One	100.62	15	eP	P	05 29 43.4 +0.1
SUY	Seymchan	100.95	348	P	P	05 29 45.9 +1.1
B08A	Colville Reser	100.99	37	eP	P	
S22A	4UR Ranch, Cre	101.21	51	eP	P	

S22A	4UR Ranch, Cre	101.21	51	P	P	05 29 45.3 +0.5
O20A	White River Ci	101.78	49	P	P	05 29 47.6 +0.4
SMCO	Snowmass	101.98	50	eP	P	05 29 49.5 +1.1
NEW	Newport	102.02	38	P	P	05 29 48.8 +0.9
MCMT	McKenzie Canyo	102.03	43	eP	P	05 29 48.8 +0.6
SDCO	Great Sand Dun	102.05	52	e		

CCM	Cathedral Cave	111.67	58	P	PKIKP	05 34 27.1	-0.4
W45A	Hickory Valley	111.69	62	P	PKIKP	05 34 26.9	-0.7
R41A	Rosebud	111.70	58	P	PKIKP	05 34 26.5	-1.0
X46A	Booneville	111.82	63	P	PKIKP	05 34 27.0	-0.9
S42A	Caledonia	111.84	59	P	PKIKP	05 34 26.9	-0.9
T43A	Greenville	111.86	59	P	PKIKP	05 34 26.9	-0.9
350A	Dozier	111.91	66	P	PKIKP	05 34 27.2	-1.0
R42A	Luebbering	112.09	58	P	PKIKP	05 34 27.4	-0.9
Q41A	Truxton	112.12	57	P	PKIKP	05 34 27.6	-0.7
YKA	Yellowknife Ar	112.13	28	Pdiff	Pdiff	05 30 32.7	+0.4
YKA	comp=Z,0.2nm,0.4s,baz=231,slow=4.8,SNR=8.3				PKIKP	05 34 26.9	-0.6
YKA	comp=Z,6.0nm,0.5s,baz=244,slow=1.6,SNR=143				PP	05 35 13.3	-2.5
YKA	comp=Z,3.2nm,1.0s,baz=237,slow=6.9,SNR=11				PKKb	05 45 16.7	-3.9
YKA	comp=Z,1.7nm,0.7s,baz=44,slow=3.5,SNR=24				PKKb	05 53 51.7	+3.1
U44B	Burton Farm, H	112.15	61	P	PKIKP	05 34 27.6	-0.9
149A	Jones	112.16	65	P	PKIKP	05 34 28.2	-0.4
LRAL	Lakeview Retre	112.22	65	P	PKIKP	05 34 28.2	-0.5
250A	Grady	112.24	66	P	PKIKP	05 34 28.5	-0.2
S43A	Fulton Ridge,	112.25	59	P	PKIKP	05 34 27.6	-1.0
W46A	Michie	112.25	62	P	PKIKP	05 34 27.6	-1.1
X47A	Russelville	112.32	63	P	PKIKP	05 34 28.6	-0.2
351A	Pinckard	112.38	67	P	PKIKP	05 34 28.8	-0.2
452A	Marianna	112.49	68	P	PKIKP	05 34 29.3	+0.1
BDFB	Brasilia	112.52	131	PKIKP	PKIKP	05 34 30.1	+0.1
BDFB	comp=Z,5.0nm,0.7s,baz=37,slow=1.2,SNR=7.8				PKKb	05 45 19.1	+0.7
Y48A	Jasper	112.53	64	P	PKIKP	05 34 28.7	-0.5
Q42A	Golden Eagle	112.58	58	P	PKIKP	05 34 28.7	-0.5
Z49A	Columbiana	112.64	65	P	PKIKP	05 34 28.8	-0.7
M39A	Webster	112.72	55	P	PKIKP	05 34 29.2	-0.2
553A	Crawfordsville	112.72	69	P	PKIKP	05 34 29.8	+0.1
150A	Eclectic	112.73	66	P	PKIKP	05 34 28.9	-0.7
N46A	Holladay	112.76	62	P	PKIKP	05 34 28.6	-1.0
V40A	Mertquake, Sal	112.82	55	P	PKIKP	05 34 29.0	-0.5
W47A	Westpoint	112.87	62	P	PKIKP	05 34 28.5	-1.3
S44A	Carbondale	112.87	59	P	PKIKP	05 34 29.1	-0.7
X48A	Hartselle	112.88	63	P	PKIKP	05 34 28.9	-1.0
O41A	Passleys Farm,	112.92	56	P	PKIKP	05 34 29.0	-0.8
251A	Midway	112.93	66	P	PKIKP	05 34 29.6	-0.5
352A	Blakely	112.99	67	P	PKIKP	05 34 29.7	-0.4
U46A	Springville	112.99	61	P	PKIKP	05 34 29.4	-0.6
P42A	Winchester	113.03	57	P	PKIKP	05 34 29.4	-0.6
Y49A	Blount Mountai	113.05	64	P	PKIKP	05 34 29.7	-0.6
Z50A	Ashland	113.11	65	P	PKIKP	05 34 29.5	-0.9
M40A	Post Highland	113.12	55	P	PKIKP	05 34 29.7	-0.4
WV7	Waverly	113.12	61	P	PKIKP	05 34 29.5	-0.8
453A	Whigham	113.14	68	P	PKIKP	05 34 30.2	-0.3
L39A	Vinton	113.14	54	P	PKIKP	05 34 29.6	-0.6
151A	Opelika	113.20	66	P	PKIKP	05 34 30.2	-0.3
V47A	Nunnely	113.20	62	P	PKIKP	05 34 29.6	-0.9
554A	Perry	113.24	69	P	PKIKP	05 34 30.4	-0.3
W48A	Pulaski	113.29	63	P	PKIKP	05 34 29.4	-1.2
252A	Lumpkin	113.38	67	P	PKIKP	05 34 30.4	-0.5
X49A	Woodville	113.43	64	P	PKIKP	05 34 30.0	-1.0
FFC	Flin Flon	113.44	39	ePKP	PKIKP	05 34 29.7	-0.6
FFC	Flin Flon	113.44	39	ePKP	PKIKP	05 34 29.7	-0.6
353A	Camila	113.45	68	P	PKIKP	05 34 31.1	-0.0
K39A	Oelwein	113.48	53	P	PKIKP	05 34 29.9	-0.9
T46A	Princeton	113.52	61	P	PKIKP	05 34 30.2	-0.8
Y50A	Piedmont	113.56	64	P	PKIKP	05 34 30.2	-1.0
P43A	Skaggs, Pawnee	113.62	57	P	PKIKP	05 34 30.3	-0.6
L40A	Anamosa	113.62	54	P	PKIKP	05 34 30.4	-0.6
059A	Moore Haven	113.64	73	P	PKIKP	05 34 29.9	-1.7
U47A	Clarksville	113.66	61	P	PKIKP	05 34 30.0	-1.3
V48A	Smith Brothers	113.66	62	P	PKIKP	05 34 29.8	-1.6
AGMM	Agassiz Nation	113.67	47	ePKP	Pdiff	05 34 29.9	-1.1
Z51A	Franklin	113.69	65	P	PKIKP	05 34 30.8	-0.7
152A	Waverly Hall	113.72	66	P	PKIKP	05 34 31.0	-0.6
M41A	Milan	113.75	55	P	PKIKP	05 34 30.8	-0.5
LB7B	Lobatse	113.75	207	iPKIKP	PKIKP	05 34 32.0	-0.2
LB7B	comp=Z,5.0nm,0.7s				PKKb	05 45 13.8	-0.7
LB7B	comp=Z,5.3nm,0.7s,baz=249,slow=2.9,SNR=5.5				PKKb	05 45 13.8	-0.7
656A	Williston	113.76	70	P	PKIKP	05 34 31.6	-0.2
W49A	Belvidere	113.76	63	P	PKIKP	05 34 30.5	-1.1
555A	McAlpin	113.80	69	P	PKIKP	05 34 30.5	-1.3
N42A	Yates City	113.83	56	P	PKIKP	05 34 30.3	-1.2
R45A	Skylar, Fairir	113.83	59	P	PKIKP	05 34 30.9	-0.7
X50B	Fort Payne	113.89	64	P	PKIKP	05 34 30.8	-1.1
J39A	Decorah	113.90	53	P	PKIKP	05 34 30.6	-1.0
T46A	Tifton	113.97	68	P	PKIKP	05 34 31.5	-0.6
K40A	Colesburg	113.97	54	P	PKIKP	05 34 30.7	-1.0
T47A	Sharon Grove	114.05	61	P	PKP	05 34 30.9	-1.2
Y51A	Rockmart	114.05	65	P	PKP	05 34 31.2	-0.9
043M	Sugar Creek Fa	114.06	57	P	PKP	05 34 31.1	-0.8
SP3N	Marine on Sta	114.08	51	P	PKP	05 34 31.1	-0.8
L41A	Preston	114.10	55	P	PKP	05 34 31.2	-0.8

P44A	Sand Creek, Wi	114.15	58	P	PKP	05 34 31.4	-0.8
H38A	Maiden Rock	114.16	51	P	PKP	05 34 31.1	-0.9
WMQ	Urumpi	114.17	307	ePKP	PKP	05 34 31.0	-1.2
WMQ	Urumpi	114.17	307	ePKP	PKP	05 34 31.0	-1.2
Z52A	Williamson	114.19	66	P	PKP	05 34 32.0	-0.5
HDIL	Hopedale	114.20	57	ePKP	PKP	05 34 31.9	-0.3
HDIL	Hopedale	114.20	57	ePKP	PKP	05 34 31.9	-0.3
Q45A	Warren Harvey,	114.20	59	P	PKP	05 34 31.6	-0.7
U48A	Cassie Pes, Po	114.22	62	P	PKP	05 34 31.1	-1.3
I39A	Houston	114.26	53	P	PKP	05 34 31.2	-1.0
V49A	McMinnville	114.33	63	P	PKP	05 34 31.5	-1.1
657A	Interlachen	114.37	70	P	PKP	05 34 32.7	-0.2
F37A	Hinrichs Farm,	114.42	50	P	PKP	05 34 31.9	-0.6
254A	Abbeville	114.43	67	P	PKP	05 34 32.1	-0.8
N43A	Stutzman Famil	114.46	56	P	PKP	05 34 32.0	-0.8
355A	Pearson	114.47	68	P	PKP	05 34 32.3	-0.7
K41A	Shullsburg	114.47	54	P	PKP	05 34 31.7	-1.0
W50A	Signal Mountai	114.49	63	P	PKP	05 34 31.9	-1.1
S47A	Hartford	114.49	60	P	PKP	05 34 31.9	-1.0
X51A	Calhoun	114.52	64	P	PKP	05 34 32.4	-0.7
J40A	Soldiers Grove	114.55	53	P	PKP	05 34 31.5	-1.3
O44A	Mansfield	114.57	57	P	PKP	05 34 32.2	-0.7
ULM	Laug du Bonnet	114.58	45	PKIKP	PKKb	05 34 31.6	-1.1
ULM	comp=Z,1.7nm,0.8s,baz=237,slow=2.4,SNR=29				PKKb	05 45 11.5	-0.6
T48A	Bowling Green	114.61	61	P	PKP	05 34 31.9	-1.2
L42A	Oliver, Polo	114.62	55	P	PKP	05 34 32.1	-0.9
G38A	Ridgeland	114.65	51	P	PKP	05 34 32.0	-1.0
JFWS	Jewell Farm	114.65	54	ePKP	PKP	05 34 32.2	-0.8
JFWS	Jewell Farm	114.65	54	ePKP	PKP	05 34 32.2	-0.8
JFWS	Jewell Farm	114.65	54	ePKP	PKP	05 34 32.1	-1.0
557A	Orange Park	114.68	70	P	PKP	05 34 32.4	-1.1
U49A	Red Boiling Sp	114.76	62	P	PKP	05 34 32.5	-0.9
Y52A	Liburn	114.77	65	P	PKP	05 34 32.3	-0.4
P45A	Graceland, Par	114.78	58	P	PKP	05 34 32.5	-0.9
H39A	Augusta	114.79	52	P	PKP	05 34 32.3	-0.9
M43A	Waltham Townsh	114.83	56	P	PKP	05 34 32.2	-1.2
Z53A	Monticello	114.86	66	P	PKP	05 34 33.0	-0.7
I40A	Norwalk	114.86	53	P	PKP	05 34 32.2	-1.2
V50A	Pikeville	114.86	61	P	PKP	05 34 32.6	-1.0
W51A	Cleveland	114.87	64	P	PKP	05 34 32.7	-1.0
154A	Montrose	114.89	67	P	PKP	05 34 33.0	-0.8
PTGA	Pitanga	114.90	111	PKP	PKP	05 34 34.8	+0.3
GOGA	Godfrey	115.00	66	ePKP	PKP	05 34 33.7	-0.3
GOGA	Godfrey	115.00	66	ePKP	PKP	05 34 33.1	-0.9
F38A	Pierce - Schro	115.00	50	P	PKP	05 34 32.9	-0.7
J41A	Loganville	115.01	54	P	PKP	05 34 32.6	-1.1
R47A	Wor Knot Far	115.06	60	P	PKP	05 34 33.0	-0.9
N44A	Piper City	115.09	57	P	PKP	05 34 33.1	-0.8
S48A	Wiedeman Farm,	115.10	61	P	PKP	05 34 32.9	-1.1
Y53A	Monroe	115.12	65	P	PKP	05 34 33.6	-0.6
G39A	Holcombe	115.14	51	P	PKP	05 34 33.1	-0.8
CPCT	Cooper Cave	115.17	63	ePKP	PKP	05 34 33.3	-1.0
K42A	Prairie Point,	115.18	54	P	PKP	05 34 33.1	-0.9
P46A	Rosedale	115.19	58	P	PKP	05 34 33.4	-0.7
WCI	Wyandotte Cave	115.19	60	ePKP	PKP	05 34 33.4	-0.8
WCI	Wyandotte Cave	115.19	60	ePKP	PKP	05 34 33.4	-0.8
WCI	Wyandotte Cave	115.19	60	ePKP	PKP	05 34 33.5	-0.8
T49A	Edmonton	115.21	61	ePKP	PKP	05 34 33.3	-1.0
T49A	Edmonton	115.21	61	ePKP	PKP	05 34 33.3	-1.0
L43A	Garden Prairie	115.31	55	P	PKP	05 34 33.5	-0.8
H40A	Chili	115.33	52	P	PKP	05 34 33.4	-0.9
155A	Kite	115.37	67	P	PKP	05 34 34.2	-0.5
Z54A	Bazett, SNR=11	115.38	66	P	PKP	05 34 34.0	-0.7
U50A	Jamestown	115.39	62	P	PKP	05 34 33.7	-1.0
I41A	Arkdale	115.42	53	ePKP	PKP	05 34 34.3	-0.1
I41A	Arkdale	115.42	53	ePKP	PKP	05 34 34.3	-0.1
Q47A	Bedord North L	115.42	59	P	PKP	05 34 34.0	-0.6
M44A	Midewin, Midew	115.42	56	ePKP	PKP	05 34 34.6	+0.1
M44A	Midewin, Midew	115.42	56	ePKP	PKP	05 34 33.7	-0.9
W52A	Murphy	115.44	64	ePKP	PKP	05 34 35.0	+0.2
W52A	Murphy	115.44	64	ePKP	PKP	05 34 34.4	-0.4
BLO	Bloomington	115.46	59	ePKP	PKP	05 34 34.9	+0.2
BLO	Bloomington	115.46	59	ePKP	PKP	05 34 34.9	+0.2
V51A	Loudon	115.46	63	ePKP	PKP	05 34 34.5	-0.3
V51A	Loudon	115.46	63	ePKP	PKP	05 34 34.4	-0.5
E38A	The Farm, Brul	115.49	50	ePKP	PKP	05 34 34.4	-0.1
E38A	The Farm, Brul	115.49					

F44A	baz=245,SNR=17	118.44	52	P	PKPdf	05 34 39.2	-1.0
N50A	Nevada	118.49	59	P	PKPdf	05 34 39.7	-0.7
G50A	Suttons Bay	118.56	53	P	PKPdf	05 34 39.7	-0.8
X58A	Rowland	118.57	66	P	PKPdf	05 34 40.5	-0.3
O51A	Patakakala	118.61	59	P	PKPdf	05 34 39.8	-1.0
L49A	Milan	118.62	57	P	PKPdf	05 34 40.0	-0.7
H46A	File Lake	118.65	54	P	PKPdf	05 34 40.0	-0.7
K48A	Perry	118.67	56	P	PKPdf	05 34 40.3	-0.4
PS2A	Corning	118.72	60	P	PKPdf	05 34 40.1	-0.8
AAM	Ann Arbor	118.77	57	P	PKPdf	05 34 40.4	-0.6
M50A	Fremont	118.82	58	P	PKPdf	05 34 40.4	-0.7
MK01	Makanchi Array	118.88	309	ePKPdf	PKPdf	05 34 39.0	-2.1
MK31	Makanchi Array	118.89	309	ePKPdf	PKPdf	05 34 39.0	-2.1
MK31	Makanchi Array	118.89	309	ePKPdf	PKPdf	05 34 39.3	-1.8
MK31	MK31	118.89	309	ePKPdf	PKPdf	05 34 39.2	-1.9
MK32	Makanchi Array	118.89	309	ePKPdf	PKPdf	05 34 39.2	-1.9
MK32	MK32	118.89	309	ePKPdf	PKPdf	05 36 02.0	-1.6
MK32	MK32	118.89	309	ePKPdf	PKPdf	05 34 38.8	-2.3
MKAR	MKAR	118.89	309	ePKPdf	PKPdf	05 36 02.0	-1.6
MKAR	MKAR	118.89	309	ePKPdf	PKPdf	05 34 39.2	-1.9
MKAR	MKAR	118.89	309	ePKPdf	PKPdf	05 34 39.2	-1.9
MKAR	MKAR	118.89	309	ePKPdf	PKPdf	05 36 02.0	-1.6
MKAR	MKAR	118.89	309	ePKPdf	PKPdf	05 34 58.5	+1.1
I47A	Gladwin	118.90	55	P	PKPdf	05 34 40.4	-0.8
BLA	Blacksburg	118.92	63	P	PKPdf	05 34 41.6	-0.0
BLA	Blacksburg	118.92	63	P	PKPdf	05 34 41.2	-0.3
R54A	Victor	118.92	62	P	PKPdf	05 34 40.6	-0.9
E44A	Grand Marais A	119.02	52	P	PKPdf	05 34 40.7	-0.6
J48A	Bridge Port	119.09	56	P	PKPdf	05 34 41.0	-0.5
MAK2	Makanchi	119.09	309	ePKPdf	PKPdf	05 34 39.5	-2.0
S55A	Lewisburg	119.10	63	P	PKPdf	05 34 41.1	-0.7
K49A	Clarkson	119.11	56	P	PKPdf	05 34 41.0	-0.6
X59A	McDuffie Farm	119.12	67	P	PKPdf	05 34 40.8	-1.1
FCC	Fort Churchill	119.12	37	ePKPdf	PKPdf	05 34 39.4	-1.7
FCC	Fort Churchill	119.12	37	ePKPdf	PKPdf	05 34 39.4	-1.7
O52A	Adamsville	119.13	60	P	PKPdf	05 34 41.2	-0.5
O52A	Adamsville	119.13	60	P	PKPdf	05 34 40.8	-1.0
GLMI	Graying	119.15	54	P	PKPdf	05 34 40.7	-0.9
P53A	Whipple	119.18	61	P	PKPdf	05 34 41.7	-0.2
P53A	Whipple	119.18	61	P	PKPdf	05 34 41.1	-0.8
G46A	Petoskey	119.19	53	P	PKPdf	05 34 40.6	-1.0
L50A	Kingsville	119.24	57	P	PKPdf	05 34 41.2	-0.6
H47A	Mio	119.33	54	P	PKPdf	05 34 40.9	-1.1
PDGK	Podgornoye	119.34	304	ePKPdf	PKPdf	05 34 39.8	-2.4
PDGK	PDGK	119.34	304	ePKPdf	PKPdf	05 34 41.7	-0.5
Q54A	Coxs Mills	119.37	61	P	PKPdf	05 34 41.4	-0.8
M51A	Clyria	119.39	58	P	PKPdf	05 34 41.3	-0.7
E45A	Wooded Hills	119.39	52	P	PKPdf	05 34 41.3	-0.7
F46A	Macinaw City C	119.43	53	P	PKPdf	05 34 41.2	-0.9
H48A	Sherman Twp	119.50	55	P	PKPdf	05 34 41.7	-0.6
N52A	McGinn's Farm	119.52	59	P	PKPdf	05 34 41.7	-0.8
J49A	Marlette	119.55	56	P	PKPdf	05 34 41.5	-0.9
R55A	Marlinton	119.59	62	P	PKPdf	05 34 42.2	-0.6
O53A	New Philadelphia	119.62	60	P	PKPdf	05 34 42.1	-0.5
NIL	Nilore	119.78	292	ePKPdf	PKPdf	05 34 42.0	-1.3
G47A	Hillman	119.78	54	P	PKPdf	05 34 41.8	-1.0
TARG	Taragay, Kyrgy	119.85	302	ePKPdf	PKPdf	05 34 42.6	-1.0
PS4A	Burton	119.87	61	P	PKPdf	05 34 42.6	-0.6
Q55A	Buckhannon	119.91	62	P	PKPdf	05 34 42.8	-0.5
CNCC	Cliffs of the	119.94	66	P	PKPdf	05 34 43.5	0.0
CNCC	Cliffs of the	119.94	66	P	PKPdf	05 34 43.2	-0.6
H48A	Harrisville	119.95	54	P	PKPdf	05 34 42.6	-0.6
E46A	Sault Ste Mari	119.95	52	P	PKPdf	05 34 42.1	-1.0
I49A	Point Hope	119.98	55	P	PKPdf	05 34 42.7	-0.5
M52A	Chesterland	120.00	58	P	PKPdf	05 34 42.8	-0.7
NBCP	Cabaceiras do	120.07	137	ePKPdf	PKPdf	05 34 46.0	+1.6
ZAA0	Zalesovo Array	120.10	317	ePKPdf	PKPdf	05 34 40.8	-2.3
ZAA0	Zalesovo Array	120.10	317	ePKPdf	PKPdf	05 34 40.9	-2.2
ZALV	ZALV	120.10	317	ePKPdf	PKPdf	05 44 52.6	+0.2
ZALV	ZALV	120.10	317	ePKPdf	PKPdf	05 45 25.2	+0.4
ZAA1	ZAA1	120.10	317	ePKPdf	PKPdf	05 34 40.9	-2.2
ZAA1	ZAA1	120.10	317	ePKPdf	PKPdf	05 44 52.6	+0.2
ZAA1	ZAA1	120.10	317	ePKPdf	PKPdf	05 45 25.2	+0.4
N53A	Lisbon	120.11	59	P	PKPdf	05 34 43.2	-0.4
O54A	Avella	120.18	60	P	PKPdf	05 34 43.3	-0.5
KSH	Kashi	120.24	299	PKP	PKPdf	05 34 44.0	-0.1
KSH	KSH	120.24	299	PKP	PKPdf	05 36 21.4	+8.3
P55A	Reedsville	120.30	61	P	PKPdf	05 34 43.2	-0.9
D46A	Sault Ste Mari	120.32	52	P	PKPdf	05 34 43.0	-0.8
MCWV	Mont Chateau	120.34	61	ePKPdf	PKPdf	05 34 43.3	-0.8
MCWV	Mont Chateau	120.34	61	ePKPdf	PKPdf	05 34 43.3	-0.8
K51A	Iona Station	120.40	57	P	PKPdf	05 34 43.2	-0.8
M53A	Wi Miller and	120.47	59	P	PKPdf	05 34 43.5	-0.8
E47A	Iron Bridge	120.64	53	P	PKPdf	05 34 43.7	-0.8
OBIP	Obispoado Ponca	120.71	89	ePKPdf	PKPdf	05 34 44.2	-1.2
N54A	Moraine State	120.76	60	P	PKPdf	05 34 44.6	-0.3
N54A	Moraine State	120.76	60	P	PKPdf	05 34 44.3	-0.6
B54A	Ashfield	120.79	56	P	PKPdf	05 34 44.0	-0.8
F48A	Evansville	120.84	53	P	PKPdf	05 34 43.9	-0.9
O55A	Ligonier	120.94	61	P	PKPdf	05 34 44.9	-0.4
L53A	Girard	120.96	58	P	PKPdf	05 34 44.5	-0.7
K52A	Tilsonburg	120.96	57	P	PKPdf	05 34 44.6	-0.6
D47A	Chapleau	120.97	52	P	PKPdf	05 34 44.3	-0.8
NRN	Naryn	120.98	301	ePKPdf	PKPdf	05 34 45.0	-0.7
NRN	Naryn	120.98	301	ePKPdf	PKPdf	05 34 45.0	-0.7
BRCO	Bruce Peninsula	121.02	56	P	PKPdf	05 34 44.6	-0.6
R58B	Mineral	121.07	64	P	PKPdf	05 34 45.3	-0.2

R58B	Mineral	121.07	64	P	PKPdf	05 34 44.9	-0.6
SJG	San Juan	121.11	90	ePKPdf	PKPdf	05 34 46.1	-0.1
SJG	San Juan	121.11	90	ePKPdf	PKPdf	05 34 46.1	-0.1
UJLH	Ulaho	121.12	302	P	PKPdf	05 34 45.4	-0.4
I51A	Listowel	121.14	56	P	PKPdf	05 34 44.9	-0.6
F49A	Sandfield	121.19	54	P	PKPdf	05 34 44.7	-0.8
M54A	Oil Creek Stat	121.20	59	ePKPdf	PKPdf	05 34 45.4	-0.3
M54A	Oil Creek Stat	121.20	59	ePKPdf	PKPdf	05 34 45.1	-0.6
ERPA	Erie	121.20	58	ePKPdf	PKPdf	05 34 45.3	-0.4
ERPA	Erie	121.20	58	ePKPdf	PKPdf	05 34 44.9	-0.8
NVS	Novosibirsk	121.28	318	ePKPdf	PKPdf	05 34 43.8	-1.6
NVS	NVS	121.28	318	ePKPdf	PKPdf	05 36 23.3	
NVS	comp=N,19nm,1.5s				pmx		
NVS	comp=E,34nm,1.5s				pmx		
NVS	comp=Z,58nm,1.5s				pmx		
J52A	Paris	121.30	57	P	PKPdf	05 34 45.1	-0.7
TOBO	Tobermory, Bru	121.33	54	P	PKPdf	05 34 45.1	-0.6
E48A	Lockeover	121.37	53	P	PKPdf	05 34 44.9	-0.9
LSZ	Lusaka	121.37	215	ePKPdf	PKPdf	05 34 47.5	+0.3
LSZ	Lusaka	121.37	215	ePKPdf	PKPdf	05 44 49.1	+1.6
LSZ	Lusaka	121.37	215	ePKPdf	PKPdf	05 34 46.9	-0.1
LSZ	comp=Z,27nm,0.8s,baz=149,slow=2.2,SNR=24				PKKPbc	05 44 49.1	+1.6
HUMP	Col San Antoni	121.37	90	ePKPdf	PKPdf	05 34 46.7	+0.1
H55A	Marion Centre	121.39	60	P	PKPdf	05 34 45.2	-0.9
CBYP	Canovanas	121.44	90	ePKPdf	PKPdf	05 34 47.2	+0.2
O56A	Blue Knob Stat	121.49	61	ePKPdf	PKPdf	05 34 46.4	0.0
O56A	Blue Knob Stat	121.49	61	ePKPdf	PKPdf	05 34 46.1	-0.2
CBN	Corbin Frederi	121.53	63	ePKPdf	PKPdf	05 34 46.4	0.0
CBN	Corbin Frederi	121.53	63	ePKPdf	PKPdf	05 34 45.8	-0.6
MTP	Monte Pirata	121.59	60	ePKPdf	PKPdf	05 34 47.1	+0.1
TYNO	Tynde	121.65	57	P	PKPdf	05 34 46.0	-0.5
ACTO	Acton	121.71	57	P	PKPdf	05 34 46.0	-0.6
KZA	Kyzart	121.74	301	P	PKPdf	05 34 46.6	-0.7
M55A	Ridgway	121.81	59	P	PKPdf	05 34 46.3	-0.6
TKM2	Tokmak 2	121.81	302	P	PKPdf	05 34 46.2	-0.9
TSUM	Tsumeb	121.84	202	ePKPdf	PKPdf	05 34 47.6	-0.2
TSUM	Tsumeb	121.84	202	ePKPdf	PKPdf	05 44 44.7	-1.2
TSUM	Tsumeb	121.84	202	ePKPdf	PKPdf	05 44 44.7	-1.2
D48A	Paudash Townsh	121.84	52	P	PKPdf	05 34 45.7	-1.0
SSPA	Standing Stone	122.11	61	ePKPdf	PKPdf	05 34 47.1	-0.3
SSPA	Standing Stone	122.11	61	ePKPdf	PKPdf	05 34 46.8	-0.7
I53A	Kortright Cn E	122.11	57	P	PKPdf	05 34 46.8	-0.6
KBK	Karagaybulak	122.16	302	P	PKPdf	05 34 47.1	-0.6
D49A	Beuth Townshi	122.17	52	P	PKPdf	05 34 46.5	-0.8
STCO	Saint Catharin	122.17	57	P	PKPdf	05 34 46.9	-0.5
SFK	Sufi-Kurgan	122.18	299	ePKPdf	PKPdf	05 34 46.4	-1.5
KLBO	Killbear Provi	122.24	55	P	PKPdf	05 34 46.6	-0.9
E50A	Wahnapiate	122.27	53	P	PKPdf	05 34 47.0	-0.6
L55A	Hinsdale	122.30	59	P	PKPdf	05 34 47.3	-0.5
UCH	Uchtor	122.30	301	P	PKPdf	05 34 47.6	-0.8
CHMS	Chumysh	122.42	302	P	PKPdf	05 34 46.8	-1.2
FRU1	Bishkek	122.44	302	ePKPdf	PKPdf	05 34 47.6	-0.5
AAK	Ala-Archa	122.47	302	ePKPdf	PKPdf	05 34 47.3	-1.0
AAK	Ala-Archa	122.47	302	ePKPdf	PKPdf	05 34 47.2	-1.0
AAK	Ala-Archa	122.47	302	ePKPdf	PKPdf	05 34 47.3	-1.0
AAK	Ala-Archa	122.47	302	ePKPdf	PKPdf	05 34 47.0	-1.3
AAK	Ala-Archa	122.47	302	ePKPdf	PKPdf	05 34 47.2	-1.0
AAK	Ala-Archa	122.47	302	ePKPdf	PKPdf	05 34 47.3	-1.0
PKRO	Pickering	122.51	57	P	PKPdf	05 34 47.5	-0.6
KURK	Kurchatov	122.57	312	ePKPdf	PKPdf	05 34 46.2	-1.7
KURK	Kurchatov	122.57	312	ePKPdf	PKPdf	05 36 27.1	-1.3
KURK	Kurchatov	122.57	312	ePKPdf	PKPdf	05 44 44.7	+1.8
KURK	Kurchatov	122.57	312	ePKPdf	PKPdf	05 45 21.1	+1.2
KURK	Kurchatov	122.57	312	ePKPdf	PKPdf	05 48 15.6	+0.9
KURK	Kurchatov	122.57	312	ePKPdf	PKPdf	05 34 46.3	-1.7
KURK	Kurchatov	122.57	312	ePKPdf	PKPdf	05 36 27.1	-1.3
KURK	Kurchatov	122.57	312	ePKPdf	PKPdf	05 34 46.3	-1.7
KURBB	Kurchatov Arra</						









Error ellipse: s-maj=12.3km s-min=6.6km az=69.0
NEIC FE16:05:44:31.1z,2.0,8.56N,126.56E,h82km,19km,mb3.7/17,
mb1.3/9.18,mb1mx3.6/43,Err ellipse: s-maj=20.8km
s-min=12.2km az=67.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like BISLIG, BUTAN, SURIGAO, DAVAO CITY, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like ILAR, MID, EGAK, DAWY, ARAO, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like TAP, EOS1, EOS1, TWC, NANS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like ILAR, MID, EGAK, DAWY, ARAO, etc.

IDC 16:05:55:21.6z,0.2,6.7S,102.82E,h0km,mb3.9/10,
mb1.4/0.10,mb1mx3.7/52,mtbtp3.9/10,Err ellipse:
s-maj=33.2km s-min=15.6km az=58.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like MASJ, JMBI, LHSI, KRJI, etc.

IDC 16:06:00:16.0z,1.2,4.05N,124.45E,h0km,mb3.5/4,
mb1.3/7.4,mb1mx3.3/45,mtbtp3.3/4,Err ellipse:
s-maj=79.4km s-min=23.8km az=72.0, Celebes Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like WRA, ASAR, MKAR, ILAR, etc.

16d 6h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like San Cristobal, Telica, San Blas, etc.

IDC 16:06:01:26.6:1.9,18.61S~177.13W,h0km,mb3.8/4, mb1 4.1/4,mb1mx3.7/39,mbtmp3.8/4,MS4.1/2,Ms1 3.8/1,ms1mx3.4/27,Error ellipse: s-maj=141.5km s-min=29.1km az=153.0,Fiji Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Mont Dzumac, Stephens Creek, Warramunga Arr, etc.

MEX 16:06:02:01.0:0.3,15.56N.93.08W,h105km,4km,MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like PCIG, THIG, CCIG, Comitan.

ISK 16:06:10:41.3,38.87N:43.53E,h2km,ML 1.9/3

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VMUR, TVAN, CLDR, etc.

ISCB 16:06:10:42.7:0.8,38.87N:43.53E:0.07,h11km,3km, Error ellipse: s-maj=10.3km s-min=5.8km az=22.7

DDA 16:06:10:42.6,38.89N:43.52E,h7km,1km,ML2.6

ISC 16:06:10:42.4:1.1,38.88N:0.04:43.54E:0.05,h13km,gkm, n8,e06G/14,Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CVUI, HORNC, ACAL, AMAS, JTS, etc.

IDC 16:06:11:59.8:2.5,6.10S:128.66E,h0km,mb3.3/1, mb1 3.4/4,mb1mx3.2/38,mbtmp3.2/4,ML2.7/3,MS3.8/1, Ms1 3.8/1,ms1mx3.1/17,Error ellipse: s-maj=121.8km s-min=30.8km az=74.0,Banda Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like FITZ, WRA, ASAR, NWAO, MKAR, etc.

ISCJB 16:06:17:45.5:0.9,5.73N:0.08:126.41E:0.09, h103km,11km,mb3.5/6,Error ellipse: s-maj=14.1km s-min=13.2km az=173.6

MAN 16:06:17:45.9:5.66N:126.38E,h51km,MS3.6

IDC 16:06:17:47.6:1.6,5.91N:126.45E,h114km,15km,mb3.4/6, mb1 3.5/6,mb1mx3.2/35,mbtmp3.7/6,MS4.0/1,Ms1 4.0/1, ms1mx3.1/21,Error ellipse: s-maj=55.1km s-min=14.0km az=71.0

ISC 16:06:17:46.4:1.3,5.72N:0.09:126.38E:0.09,h99km,13km, n15,e1567/23,mb3.5/6,2C,Mindanao

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MATI, DAV, DMPH, KCP, SKMP, etc.

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NNC 16:06:33:37.5:4.5,36.19N:69.86E,h0km,mb3.9,mpv3.5, 5C-3D,Error ellipse: s-maj=39.2km s-min=32.5km az=134.0,Hindu Kush region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SFK, MNAS, KK31, AAK, etc.

ISCJB 16:06:53:12.6:1.3,5.4S:0.1:147.37E:0.2,h195km,mb3.9/3, Error ellipse: s-maj=22.4km s-min=15.0km az=9.7

IDC 16:06:53:14.3:2.7,5.38S:147.21E,h199km,23km,mb3.5/3, mb1 3.7/6,mb1mx3.3/36,mbtmp4.1/6,Error ellipse: s-maj=36.9km s-min=16.2km az=117.0

ISC 16:06:53:13.9:1.4,5.45S:0.1:147.2E:0.2,h195km,n7, r149J,mb4.2/3,Eastern New Guinea region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JAY, CTA, WRA, ASAR, FITZ, ILAR, etc.

UCR 16:06:59:20.6:1.7,10.29N:86.39W,h13km,7km,MD4.2

ISCB 16:06:59:25.0:0.6,10.52N:0.05:86.09W:0.04,h62km,3km, mb4.4/87,Error ellipse: s-maj=9.7km s-min=5.8km az=34.4

NEIC 16:06:59:26.6:0.9,10.49N:86.02W,h53km,7km,mb4.4/81, Error ellipse: s-maj=10.0km s-min=7.6km az=202.0

IDC 16:06:59:27.9:2.1,10.99N:85.77W,h52km,24km,mb3.8/10, mb1 4.1/10,mb1mx3.7/32,mbtmp4.1/10,MS3.7/1, Ms1 3.7/1,ms1mx2.8/34,Error ellipse: s-maj=35.8km s-min=19.1km az=55.0

ISC 16:06:59:24.4:1.9,10.38N:0.08:86.26W:0.08,h40km,16km, r1366,e112/379,mb4.4/87,13C,Off coast of Costa Rica

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NY14, GBS3, PLVR, LACP, etc.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like 255A, 256A, 151A, 149A, 150A, etc.

ABTX	8.8nm,0.9s Abilene, Hawle baz=147,SNR=5.1	25.34	333	P	P	07 04 48.5	+0.8
V47A	Nunnely baz=171	25.36	358	P	P	07 04 47.8	+0.1
V46A	Holladay baz=175	25.36	356	P	P	07 04 47.9	+0.1
V51A	Loudon 17nm,0.8s	25.36	4	eP	P	07 04 48.2	+0.4
V51A	Loudon baz=184,SNR=8.4	25.36	4	P	P	07 04 47.0	-0.8
V53A	Saluda 9.7nm,0.6s	25.37	7	eP	P	07 04 48.1	+0.2
V53A	Saluda baz=187,SNR=6.9	25.37	7	P	P	07 04 47.4	-0.5
WHAR	Wooly Hollow 8.8nm,0.9s	25.39	348	eP	P	07 04 47.7	-0.4
V52A	Sevierville 9.7nm,0.8s	25.46	5	eP	P	07 04 48.6	-0.1
V52A	Sevierville baz=186	25.46	5	P	P	07 04 48.3	-0.4
W39A	Magazine baz=182	25.63	346	eP	P	07 04 49.2	-1.1
W39A	Magazine baz=182	25.63	346	eP	P	07 04 50.0	-0.3
V41A	Mountainview baz=166	25.85	349	P	P	07 04 51.9	-0.4
U46A	Springville baz=175	25.92	356	P	P	07 04 52.3	-0.6
U50A	Jamestown baz=183,SNR=11	25.95	3	P	P	07 04 52.3	-0.9
U47A	Clarksville baz=177	25.96	358	P	P	07 04 52.2	-1.1
U51A	La Follette baz=184	25.96	4	P	P	07 04 52.5	-0.7
U44B	Burton Farm, H baz=172	25.99	354	P	P	07 04 52.9	-0.6
U48A	Cassie Pea, Po baz=179	26.01	359	P	P	07 04 53.3	-0.4
U49A	Red Boiling Sp baz=180,SNR=6.5	26.02	1	P	P	07 04 52.9	-0.9
U52A	Thorn Hill baz=186	26.03	5	P	P	07 04 53.3	-0.5
U53A	Fall Branch baz=188,SNR=9.9	26.08	7	P	P	07 04 53.2	-1.2
TZTN	Tazewell 5.4nm,0.8s	26.16	5	eP	P	07 04 55.2	+0.1
TZTN	Tazewell baz=186	26.16	5	P	P	07 04 53.9	-1.2
U42A	Revsden baz=168	26.24	351	P	P	07 04 55.2	-0.6
U41A	Viola baz=167	26.35	350	P	P	07 04 55.8	-1.0
T47A	Sharon Grove 1.3nm,0.3s	26.50	358	eP	P	07 04 57.7	-0.4
T47A	Sharon Grove baz=178,SNR=5.1	26.50	358	eP	P	07 04 56.9	-1.2
U40A	Yellville baz=165	26.54	348	P	P	07 04 58.1	-0.4
TS1A	Gray baz=185	26.55	4	P	P	07 04 57.9	-0.7
T50A	Nancy baz=183	26.55	3	P	P	07 04 57.9	-0.6
T46A	Princeton baz=176	26.58	357	P	P	07 04 58.0	-0.8
T45A	Paducah 20nm,0.5s	26.61	1	eP	P	07 04 58.7	-0.3
T49A	Edmonton 2.1nm,0.3s	26.61	1	eP	P	07 04 58.6	-0.5
T53A	Wise baz=188	26.70	7	P	P	07 04 59.2	-0.7
HHAR	Hobbs 3.5nm,0.9s	26.71	346	eP	P	07 04 59.5	-0.5
T52A	Hallie baz=187	26.77	6	P	P	07 04 59.8	-0.8
WMOK	Wichita Mounta 3.9nm,1.0s	26.80	337	eP	P	07 05 03.9	+3.0
WMOK	Wichita Mounta baz=151,SNR=11	26.80	337	eP	P	07 05 01.4	+0.4
T43A	Greenville baz=171	26.83	353	P	P	07 05 00.5	-0.6
T42A	Van Buren 5.7nm,1.1s	26.89	351	eP	P	07 05 00.6	-1.0
T42A	Van Buren baz=169	26.89	351	eP	P	07 05 01.1	-0.5
T54A	Tazewell baz=190	26.89	8	P	P	07 05 01.2	-0.6
T41A	Mountain View baz=168	27.00	350	P	P	07 05 02.1	-0.5
S47A	Hartford baz=178	27.10	359	P	P	07 05 03.0	-0.5
S48A	Wiedeman Farm, baz=180	27.16	0	P	P	07 05 03.2	-0.8
S46A	Don Dixon Farm baz=176	27.16	2	P	P	07 05 03.5	-1.0
BLA	Blackburg baz=192	27.23	10	P	P	07 05 03.8	-0.9
S50A	Richmond baz=184	27.23	3	P	P	07 05 04.1	-0.5
S51A	Beattyville 17nm,0.8s	27.24	5	eP	P	07 05 04.5	-0.3
S51A	Beattyville baz=185,SNR=8.0	27.24	5	P	P	07 05 04.0	-0.8
S43A	Fulton Ridge, baz=177	27.29	353	P	P	07 05 05.0	-0.2
S49A	Springfield baz=182	27.30	2	P	P	07 05 04.6	-0.7
S44A	Carbondale baz=173	27.32	355	P	P	07 05 05.3	-0.3
S53A	Williamson baz=188	27.43	7	P	P	07 05 06.0	-0.6
S42A	Caledonia baz=170	27.57	352	P	P	07 05 07.4	-0.3
MNTX	Cornudas Mount baz=136	27.63	323	P	P	07 05 09.1	+0.8
WC1	Wyandotte Cave 15nm,0.8s	27.73	360	eP	P	07 05 08.1	-1.0
WC1	Wyandotte Cave baz=174	27.73	360	eP	P	07 05 08.2	-0.9
S55A	Lewisburg baz=192	27.76	10	P	P	07 05 08.7	-0.8
R47A	Wooly Knot Far baz=179	27.79	360	P	P	07 05 08.9	-0.8
R49A	Shelbyville baz=182	27.81	2	P	P	07 05 09.1	-0.7
R50A	Paris baz=184	27.83	3	P	P	07 05 09.3	-0.7
R45A	Skyfar, Fairir baz=175	27.85	357	P	P	07 05 09.0	-1.2
R44A	Waltonville baz=174	27.86	355	P	P	07 05 09.8	-0.5
R51A	Hillsboro baz=185,SNR=12	27.90	5	P	P	07 05 09.8	-0.8
CCM	Cathedral Cave 6.4nm,0.9s	27.91	352	eP	P	07 05 10.0	-0.8
CCM	Cathedral Cave baz=169	27.91	352	eP	P	07 05 10.5	-0.3
MSTX	Muleshoe 3.9nm,0.8s	27.93	330	eP	P	07 05 13.0	+1.8
MSTX	Muleshoe baz=143	27.93	330	eP	P	07 05 11.2	+0.1
R43A	Red Bud baz=172	27.97	354	P	P	07 05 10.2	-1.0
R52A	Cattlettsburg baz=187	28.02	6	P	P	07 05 10.9	-0.8
R54A	Victor baz=191	28.08	9	P	P	07 05 11.1	-1.2
R53A	Hurricane baz=188	28.09	7	P	P	07 05 11.7	-0.8
R55A	Marlinton baz=192	28.32	10	P	P	07 05 13.9	-0.6
Q48A	North Vernon baz=181	28.43	1	P	P	07 05 14.3	-1.1
Q47A	Bedord North L baz=179,SNR=7.1	28.43	360	P	P	07 05 14.4	-1.0
Q45A	Warren Harvey, baz=176	28.44	357	P	P	07 05 14.6	-0.9
Q44A	Meyer Farm, Va baz=174	28.51	355	P	P	07 05 15.4	-0.6
Q49A	Aurora baz=182	28.53	2	P	P	07 05 15.2	-1.0
Q51A	Peebles 44nm,0.7s	28.64	5	eP	P	07 05 17.1	-0.2
Q51A	Peebles baz=186,SNR=17	28.64	5	P	P	07 05 16.5	-0.7
Q52A	Bidwell baz=189,SNR=9.9	28.68	6	P	P	07 05 16.9	-0.8
Q54A	Coxs Mills baz=191,SNR=6.3	28.89	9	P	P	07 05 18.6	-0.9

P48A	Milroy baz=181	28.97	1	P	P	07 05 19.1	-1.0
Q55A	Buckhannon baz=192	29.02	10	P	P	07 05 19.9	-0.8
P44A	Sarge Creek, Wi baz=175	29.04	356	P	P	07 05 20.5	-0.3
P45A	Graceland, Par baz=176	29.05	358	P	P	07 05 20.3	-0.7
P51A	Williamsport 10nm,0.8s	29.12	5	eP	P	07 05 20.7	-0.8
P51A	Williamsport baz=186	29.12	5	P	P	07 05 20.7	-0.8
P46A	Rosedale baz=184	29.12	359	P	P	07 05 20.5	-1.0
P50A	Jamestown baz=184	29.19	4	P	P	07 05 20.8	-1.3
P53A	Whipple 22nm,0.8s	29.31	8	eP	P	07 05 23.3	+0.2
P53A	Whipple baz=189,SNR=8.4	29.31	8	P	P	07 05 22.2	-1.0
P52A	Corning baz=188,SNR=10	29.36	7	P	P	07 05 22.6	-1.0
P41A	Berry, Barry baz=170	29.48	352	P	P	07 05 22.5	-2.2
P54A	Burton baz=191	29.55	9	P	P	07 05 24.1	-1.2
P55A	Reedsville baz=192	29.57	10	P	P	07 05 24.3	-1.2
MCWV	Mont Chateau baz=192	29.71	10	P	P	07 05 25.8	-0.9
O47A	Sheridan baz=190	29.73	0	P	P	07 05 25.9	-1.1
O49A	Covington baz=183	29.73	3	P	P	07 05 25.4	-1.5
O50A	Cable baz=185,SNR=12	29.73	4	P	P	07 05 25.4	-1.6
O45A	Potomac baz=177	29.77	358	P	P	07 05 25.9	-1.3
O51A	Pataskala baz=187,SNR=5.4	29.82	6	P	P	07 05 26.3	-1.4
ACSO	Alum Creek Sta 16nm,0.6s	29.87	5	eP	P	07 05 27.6	-0.5
ACSO	Alum Creek Sta baz=186,SNR=6.3	29.87	5	P	P	07 05 26.7	-1.5
O52A	Adamsville 15nm,0.8s	29.87	7	eP	P	07 05 27.8	-0.4
O52A	Adamsville baz=188,SNR=8.7	29.87	7	P	P	07 05 26.7	-1.5
SFIN	Lafayette baz=190	29.88	359	P	P	07 05 27.1	-1.1
O53A	New Philadelph baz=190,SNR=8.7	30.08	8	P	P	07 05 28.4	-1.7
HDIL	Hopedale 20nm,0.8s	30.17	355	eP	P	07 05 29.9	-0.9
HDIL	Hopedale baz=174	30.17	355	eP	P	07 05 29.1	-1.7
N48A	Decatur baz=182	30.37	2	P	P	07 05 30.9	-1.7
N50A	Newada baz=186	30.39	5	P	P	07 05 31.3	-1.4
N46A	Monticello baz=179	30.39	359	P	P	07 05 31.3	-1.5
N49A	Columbus Grove 29nm,0.9s	30.47	3	eP	P	07 05 32.5	-0.9
N49A	Columbus Grove baz=184,SNR=7.4	30.47	3	P	P	07 05 31.7	-1.7
N43A	Stutzman Famil baz=172	30.54	356	P	P	07 05 32.5	-1.6
ANMO	Albuquerque 1.4nm,0.8s,baz=129,slow=6.0,SNR=8.8	30.61	326	P	P	07 05 35.7	+0.7
N53A	Lisbon baz=190	30.68	8	P	P	07 05 33.9	-1.4
PAGS	Pennsylvania G 18nm,0.8s	30.91	14	eP	P	07 05 37.5	+0.2
N55A	Marion Center baz=194	30.95	11	P	P	07 05 36.6	-1.1
M48A	Edgerton baz=182	31.01	2	P	P	07 05 37.1	-1.1
M50A	Fremont baz=186	31.03	5	P	P	07 05 37.3	-1.1
SSPA	Standing Stone 7.8nm,0.8s	31.03	12	eP	P	07 05 38.1	-0.3
SSPA	Standing Stone baz=196	31.03	12	P	P	07 05 37.6	-0.8
M49A	Liberty Center baz=192	31.03	3	P	P	07 05 37.5	-0.9
M53A	WI Miller and baz=190,SNR=5.7	31.32	8	P	P	07 05 40.0	-0.9
M39A	Webster baz=188	31.41	351	P	P	07 05 40.4	-1.3
L48A	A Adams baz=183	31.48	3	P	P	07 05 41.0	-1.4
L47A	Sherwood baz=182	31.48	2	P	P	07 05 41.6	-0.8
L46A	Eue Claire baz=180	31.51	360	P	P	07 05 41.1	-1.5
M54A	Oil Creek Stat baz=192	31.54	9	P	P	07 05 41.4	-1.5
L42A	Oliver, Polo 22nm,0.8s	31.64	355	eP	P	07 05 42.2	-1.5
L42A	Oliver, Polo baz=173	31.64	355	eP	P	07 05 42.9	-0.8
M55A	Ridgway baz=194	31.66	11	P	P	07 05 42.6	-1.3
L49A	Milan baz=184	31.68	4	P	P	07 05 43.4	-0.7
L50A	Kingsville baz=186	31.68	5	P	P	07 05 43.4	-0.7
L41A	Preston baz=172	31.79	354	P	P	07 05 44.4	-0.7
N59A	State Game Lan 9.9nm,0.8s	31.79	15	P	P	07 05 45.9	+0.7
N59A	State Game Lan baz=199	31.79	15	P	P	07 05 43.8	-1.4
L53A	Girard baz=191	31.89	8	P	P	07 05 45.2	-0.8
K47A	Vermontville baz=186	32.18	2	P	P	07 05 47.0	-1.5
SDCO	Great Sand Dun 2.2nm,0.8s	32.27	331	eP	P	07 05 50.1	+0.4
SDCO	Great Sand Dun baz=142,SNR=6.3	32.27	331	eP	P	07 05 49.0	-0.8
K41A	Shullsburg baz=172	32.29	354	P	P	07 05 48.5	-1.0
K48A	Perry baz=184	32.35	3	P	P	07 05 48.5	-1.5
L55A	Hinsdale baz=194	32.41	11	P	P	07 05 49.4	-1.1
JFWS	Jewell Farm baz=172	32.59	355	P	P	07 05 51.4	-0.7
BINY	Binghamton 10nm,0.8s	32.95	14	eP	P	07 05 55.3	+0.1
BINY	Binghamton baz=198	32.95	14	P	P	07 05 53.8	-1.5
J40A	Soldiers Grove baz=192	33.12	354	P	P	07 05 55.9	-0.8
J39A	Decorah baz=170	33.17	353	P	P	07 05 56.0	-1.1
I43A	Langensfeld Bro baz=176	33.4					



IDC 16 07:19:02.6.2.34.63S:179.92E,h46km,51km,mb4.2/6, mb1.4/3.6,mb1mx3.8/6.6,mbtmp4.4/6,ML4.9/1, Error ellipse: s-maj=49.8km s-min=22.3km az=49.0 NEIC 16 07:19:04.7.2.1.35:09S:179.76E,h66km,18km,mb4.3/13, ML4.7(WEL), Error ellipse: s-maj=20.5km s-min=14.6km az=198.0

ISCJUB 16 07:19:06.7.0.5.35:23S:0.04:179.96E:0.08,h100km, mb4.4/18, Error ellipse: s-maj=10.2km s-min=4.3km az=17.5

WEL 16 07:19:06.6.1.0.35:51N:17.08W,1.3,h116km,45km ISC 16 07:19:07.8.1.35:31S:0.05:179.91W,0.106,h100km, n179,az10/167,mb4.4/18,East of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various stations like MXZ Matakaoa Point, WNGZ Waionamati S, PKGZ Pakihiroa, etc.

Table with columns: WKZ Wanaka, WKZ Mavora Lakes, WKZ Wether Hill, etc. Lists stations with their coordinates and error ellipses.

Table with columns: PVY Plav, DIVS Divivare, DIVS Divivare, etc. Lists stations with their coordinates and error ellipses.



16d 9h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Fort Churchill, Filin Flor, Hoffer Research, Dillon, Hailey, Mina Array Bea, Red Lodge, Troy Canyon, Boulder Array, Pinedale Array, Lac du Bonnet, Little Creek, San Rafael Swe, Pitinga.

ISCJB 16 07:57:21.4±0.6, 67.59N±0.04, 142.8E±0.1, h10km, mb3.2/3, Error ellipse: s-maj=7.4km s-min=5.7km az=22.8

YARS 16 07:57:22.3±0.1, 67.620N±0.002, 142.820E±0.006, h11km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Moma, Belaya Gora, Ust'-Nera, Batagay, Artyk, Seymchan, Yakutsk, Magadan, Eielson Array, Makanchi Array, Yellowknife Ar.

ISCJB 16 08:07:45.8±0.3, 23.04N±0.02, 121.47E±0.02, h17km, 3km, Error ellipse: s-maj=3.0km s-min=2.5km az=31.8

JMA 16 08:07:45.5±0.2, 23.09N±0.11, 121.43E±0.06, h23km, 5km, M3.4

TAP 16 08:07:46.6±0.2, 23.10N±0.12, 121.36E±0.06, h20km, ML3.9, B

ISC 16 08:07:46.4±0.2, 23.07N±0.02, 121.43E±0.02, h20km, 6km, n109, 0.15, 11/159, 3C-23, Taiwan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Chengkung, Yuli, Hsiailuochu, Sshu, Hengchun, Taichung, Erlin, Taichung City, WCHH, Ta-ch'eng, Datong, Nanshan, Nanao, Liyuan, Dajia District, Sany, Datong Townshi, Nieuoudou, Miaoil, Suao, Yeheng, Sanguang, Nanjuang, Eosi, Emei, Dungi, Neicheng, Wulai, Peng-hu.

2013 FEB

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like ENLB, Tawu, Masbt, Chns, East, Snst, Twk, Owd, Hwa, Sgl, Smlt, Chn3, Tyk, Tyk, Sspt, Wjs, Wjs, Chn2, Chn2, Wgk, Wgk, Chgb, Chgb, Chd, Chy, Sczt, Wdlh, Wdlh, Lay, Wnt, Wnt, Snjt, Snjt, Whf, Nacb, Etlh, Sclt, Sclt, Tdcb, Wlch, Twp, Wsf, Wsf, Twkbt, Twk1, Tcu, Rlnb, Rlnb, Whp, Wchh, Wchh, Wtct, Wtct, Nnsb, Nns, Ena, Nanao, Twq1, Twq1, Wdj, Wdj, Nsy, Nsy, Ndt, Entt, Nmlh, Nmlh, Twc, Yhnb, Nsk, Nstt, Eosi, Eosi, Llob, Wdgt, Twe, Nwlt, Phub.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Daxi, Penghu, Gimei, Taipei, Mucha, Shuangxi, Yonagunijimaku, Santiao Chiao, Yonaguni jima, Wufen Shan, Wufen Shan, Kuzovovs Beam, YMO1, YMO4, YMO5, Hateruma jima, Iriomote-Funau, Kuro-shima, VVUC, Ishigaki jima, Ishigakijima, Kinmen, Chin-men Tao, Ma-tsu, Tarama.

IDC 16 09:02:10.2±2.5, 54.28N±86.25E, h0km, mb1 2.7/2, mb1mx2.7/6.7, mbtmp2.7/2, ML2.6/2, Error ellipse: s-maj=19.8km s-min=13.0km az=50.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Zalesovo Infra, ZALV, ZALV, Kurbb, Kurbb, Makanchi Array, MKAR.

ISCJB 16 09:04:12.5±0.7, 42.48N±0.05, 64.87E±0.06, h10km, mb3.5/5, Error ellipse: s-maj=8.0km s-min=4.8km az=36.3

IDC 16 09:04:12.9±1.0, 42.13N±64.80E, h0km, mb3.6/4, mb1 3.7/1, mb1mx3.5/6.4, mbtmp3.6/1, ML3.3/7, MS2.9/3, Ms1 2.9/3, ms1mx2.4/5.0, Error ellipse: s-maj=15.1km s-min=11.1km az=49.0

NNC 16 09:04:15.0±1.1, 42.55N±64.99E, h0km, mb3.9, mpv3.5, Error ellipse: s-maj=12.2km s-min=4.6km az=30.0

ISC 16 09:04:15.2±0.7, 42.36N±0.07, 64.88E±0.06, h10km, n22, c173/31, mb3.6/5, 18C-7D, Northwest Uzbekistan

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Karatay Array, KK31, Mnas, Mnas, Geyt, Sfk, Sfk, Aak, Aak, Aak, Ab31, Ab31, Otuk, Otuk, Tkm2, Tkm2, Akto, Akto, Bvar, Bvar, Kurbb, Kurbb, Makanchi Array.











Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KLR, PETK, XAN, H11N2, H11N1, H11N3, H11S3, H11S1, H11S2, MA2, ULN, SONA1, SONA2, SONA3, SEY, CHTO, CM31, CMAR, LSA, HNR, ZAA1, ZALV, ZALV, ZALV, JIRN, MK01, MK02, MK03, MK04, MKAR, GUN, MAK2, DMN, ANM, DANN, KURBB, PYUN, FITZ, WRAB, WB2, WF1, WRA, KDAK, KDAK, IM3, PPLA, CAST, SUA, BVAR, BVAR, AS01, AS31, ASAR, ASAR, TOLK, MDM, KKAR, ILAR, ILB, ILI, SCRK, CHGR, EGAK, DAWY, EPYK, ARU, INK, INK, ABKAR, RES, ARA0, ARCS, ARCS, ARCS, YKA, YKB5, FIA0, FIA0, FINES, KBZ, BEKR, AKASG, KIEV, AK11, CMB, HRY, NB2, NB200, NOA, DLMT, NV01, NVAR.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like FCC, ELK, H17A, IMW, HVU, TPNV, BR101, BRTR, DUG, GSC, PDAR, LCMT, P17A, SRU, MMAI, PV14, CLL, PV13, EIL, GERES, ECDX, LTX, TXAR, LPAZ, KRNET, SOMA, NNC, Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like FCC, ELK, H17A, IMW, HVU, TPNV, BR101, BRTR, DUG, GSC, PDAR, LCMT, P17A, SRU, MMAI, PV14, CLL, PV13, EIL, GERES, ECDX, LTX, TXAR, LPAZ, KRNET, SOMA, NNC, Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, ISC, h m s, ISC.

Table with columns: Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like TKM2, TKM2, TKM2, MEX, PCIG, PCIG, CCIG, CCIG, SOME, KRNET, ISCB, ISC, Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, ISC, h m s, ISC. Includes stations like TKM2, TKM2, TKM2, MEX, PCIG, PCIG, CCIG, CCIG, SOME, KRNET, ISCB, ISC, Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, ISC, h m s, ISC.



DSN 16 13:09:05.7.1.6, 28.48N, 57.33E, h70km, ML4.2/11, Error ellipse: s-maj=52.6km s-min=13.9km az=18.0  
 THR 16 13:09:05.1.28.39N, 57.35E, h14km, ML4.1  
 IS/CJB 16 13:09:05.0.0.2, 28.42N, 0.02-57.12E, 0.03, h31km, mb4.2/64, MS3.3/7, Error ellipse: s-maj=4.1km s-min=2.8km az=0.3  
 IDC 16 13:09:02.2.7.28.39N, 57.07E, h60km, 26km, mb3.8/27, mb1.3/30, mb1mx3.8/48, mbmp4.0/30, ML3.9/4, MS3.2/10, MS1.3/2.0, ms1mx3.0/40, Error ellipse: s-maj=13.0km s-min=12.0km az=164.0

MOS 16 13:09:14.7.1.0, 28.47N, 57.05E, h129km, mb4.3/44, Error ellipse: s-maj=9.3km s-min=5.1km az=119.9  
 ISC 16 13:09:06.2.0.4, 28.39N, 0.03-57.16E, 0.04, h31km, n167, s154/170, mb4.3/71, MS3.3/7, SC-3D, Southern Iran

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
NIAN	Nian	0.88 199	Op	13 09 22.6	+0.2		
NIAN	Nian	comp=Z,0.0nm,0.2s	IAMB	13 09 28.2			
NIAN	Nian	0.88 199	eSg	13 09 30.0	+2.7		
NGRK	Negar Kerman	1.31 343	Pn	13 09 28.3	-0.4		
NGRK	Negar Kerman	comp=Z,0.0nm,0.2s	IAMB	13 09 32.9			
GENO	Geno	1.32 222	eP	13 09 30.0	-0.5		
GENO	Geno	comp=Z,0.0nm,0.4s	IAMB	13 09 54.2			
CHMN	Cheshme madani	1.50 13	eP	13 09 32.2	-1.5		
CHMN	Cheshme madani	comp=Z,0.0nm,0.2s	IAMB	13 09 37.3			
CHMN	Cheshme madani	1.50 13	eSg	13 09 52.1	-0.5		
KRBR	Kerman	1.63 348	eAML	13 09 59.6			
KRBR	Kerman	comp=N,2um,0.6s	eP	13 09 35.7	-0.1		
KRBR	Kerman	1.63 348	ePn	13 09 34.0	-1.9		
TVBK	TV Kerman	1.63 348	ePn	13 09 40.9			
TVBK	TV Kerman	comp=Z,0.0nm,0.2s	IAMB				
KHGB	Koh Gabri	2.07 343	ePn	13 09 41.1	-2.1		
KHGB	Koh Gabri	comp=Z,0.0nm,0.8s	IAMB	13 10 15.0			
SHME	Sham	2.50 202	eP	13 09 45.0	+0.2		
SHME	Sham	SNR=64	S	13 10 17.9	+3.6		
SHME	Sham	2.50 202	ePn	13 09 45.2	+0.4		
BANOM	Banah	2.57 198	eP	13 09 46.4	+0.6		
BANOM	Banah	SNR=95	eP	13 09 48.8	-2.9		
BANOM	Banah	SNR=28	eP	13 09 46.4	+0.6		
BANOM	Banah	SNR=47	eP	13 10 20.0	+3.9		
BANOM	Banah	SNR=83	S	13 09 54.8	+1.1		
MSFE	Esma-Masafi	3.15 197	iP	13 09 54.9	+1.2		
MSFE	Esma-Masafi	SNR=7.6	ePn	13 09 55.7	+2.0		
UMQ	Umm Al-Quwain	3.15 197	ePn	13 09 56.0	+2.3		
MDH	Madha	3.17 194	Pn	13 09 53.9	-0.1		
MDH	Madha	SNR=11	Pn	13 09 54.1	+0.1		
MDH	Madha	3.17 194	ePn	13 09 53.6	-0.4		
ZHFS	Zahedan	3.39 68	ePn	13 09 57.8	+0.6		
ZHFS	Zahedan	3.39 68	ePn	13 09 57.8	+0.6		
UOSS	Minazif	3.54 194	iP	13 09 59.9	+0.9		
UOSS	Minazif	SNR=11	Pn	13 10 00.3	+1.2		
UOSS	Minazif	SNR=9.4	Pn	13 10 00.2	+1.2		
UOSS	Minazif	3.54 194	ePn	13 10 01.8	+1.3		
NAZ	Nazwa, Dubai	3.64 202	iP	13 10 03.0	+2.2		
HATD	Hatta, Dubai	3.67 195	Pn	13 10 06.2	-4.5		
GHIR	Ghir-Karzin	3.68 269	ePn	13 10 06.2	-4.5		
GHIR	Ghir-Karzin	3.68 269	ePn	13 10 06.2	-4.5		
IMEH	Mehriz	3.72 324	IAMB	13 10 15.3			
IMEH	Mehriz	comp=Z,2um,0.3s	ePn	13 10 04.2	+2.4		
ASHO	Ashiyah	3.82 195	iP	13 10 04.4	+1.5		
ASHO	Ashiyah	SNR=41	Pn	13 10 04.5	+1.5		
ASHO	Ashiyah	3.82 195	ePn	13 10 04.5	+1.5		
ASHO	Ashiyah	SNR=13	Pn	13 10 06.1	+2.1		
IPAR	Pars	3.88 293	ePn	13 10 06.1	+2.1		
FAQ	Al Faqa, Dubai	3.89 202	iP	13 10 04.8	+0.9		
CHBR	Chabahar	4.06 132	ePn	13 10 07.0	+0.8		
CHBR	Chabahar	SNR=38	Pn	13 10 07.0	+0.8		
ASUD	AI Ashush, Dub	4.09 204	iP	13 10 08.2	+1.6		
AJN	Aljan	4.28 208	iP	13 10 10.3	+1.1		
AJN	Aljan	SNR=13	Pn	13 10 10.4	+1.1		
AJN	Aljan	SNR=7.4	Pn	13 10 10.3	+1.1		
AJN	Aljan	4.28 208	ePn	13 10 10.3	+1.1		
AJN	Aljan	SNR=13	Pn	13 10 12.2	+2.1		
IKOO	Kooshah	4.33 201	ePn	13 10 12.2	+2.1		
IKOO	Kooshah	comp=Z,4um,0.4s	IAMB	13 10 13.0	+0.8		
ALNE	Al Ain	4.50 197	ePn	13 10 15.3	+2.6		
ICHK	Chekhchek	4.52 329	ePn	13 10 35.3			
ICHK	Chekhchek	comp=Z,1um,0.5s	IAMB	13 10 17.1	+3.9		
YZKH	Yazd	4.56 332	ePn	13 10 17.1	+3.9		
YZKH	Yazd	4.56 332	ePn	13 10 17.1	+3.9		
YZKH	Yazd	4.56 332	ePn	13 10 17.1	+3.9		
TPRV	Parvadeh(Tabas)	4.64 355	ePn	13 11 29.3	+9.1		
TPRV	Parvadeh(Tabas)	comp=Z,0.0nm,1.2s	IAMB	13 10 18.5	+4.2		
ITEG	Tejag	4.70 17	ePn	13 10 18.5	+3.4		
ITEG	Tejag	comp=Z,2um,0.3s	IAMB	13 10 28.2			
HOQ	Hoqan	4.79 178	Pn	13 10 17.2	+0.9		
HOQ	Hoqan	SNR=6.2	Pn	13 10 16.1	-0.2		
HOQ	Hoqan	4.79 178	ePn	13 10 19.0	+1.5		
IKAZ	Kazeroun	4.86 288	ePn	13 10 19.0	+1.5		
IKAZ	Kazeroun	comp=Z,6um,0.3s	IAMB	13 11 18.7			
BIDO	Bidbid	4.92 170	Pn	13 10 17.8	-0.3		
BIDO	Bidbid	SNR=8.1	Pn	13 10 18.5	+3.5		
BIDO	Bidbid	4.92 170	ePn	13 10 18.3	+0.2		
ARQ	Araqi	5.06 187	Pn	13 10 22.1	+2.1		
ARQ	Araqi	SNR=6.0	Pn	13 10 22.1	+2.1		
TKDS	Koohdasht(Taba)	5.21 360	ePn	13 10 25.6	+3.5		
TKDS	Koohdasht(Taba)	comp=Z,0.0nm,1.5s	IAMB	13 12 08.4			
TABS	Tabas	5.24 360	ePn	13 10 25.4	+2.9		
TABS	Tabas	5.24 360	ePn	13 10 25.4	+2.9		
WSAR	Wadi Sarin	5.30 165	Pn	13 10 23.8	+0.6		
WSAR	Wadi Sarin	SNR=6.2	Pn	13 10 24.4	+1.2		
WSAR	Wadi Sarin	5.30 165	Pn	13 10 24.4	+1.2		
WSAR	Wadi Sarin	comp=Z,32m,0.3s, baz=1.3, slow=6.8, SNR=247	S	13 11 21.1	-2.1		
WSAR	Wadi Sarin	comp=Z,32m,0.3s, baz=62, slow=24, SNR=14	LR	13 13 15.7			
WSAR	Wadi Sarin	comp=Z,388m,20.6s, baz=359, slow=66	LR	13 13 15.7			
IRAM	Rameshes	5.36 311	ePn	13 10 25.9	+1.6		
IRAM	Rameshes	comp=Z,593nm,0.6s	IAMB	13 11 48.8			
SMDO	Samad	5.37 171	P	13 10 24.9	+0.6		
SMDO	Samad	SNR=1.1	Pn	13 10 28.0	+1.6		
KLNJ	Kolanjah	5.50 300	ePn	13 11 33.6			
KLNJ	Kolanjah	comp=Z,0.0nm,0.4s	IAMB	13 12 11.9			
TNSJ	Nastanj	5.58 355	ePn	13 10 31.6	+4.5		
TNSJ	Nastanj	comp=Z,0.0nm,1.3s	IAMB	13 12 11.9			
BSY	Bisya	5.62 180	Pn	13 10 29.6	+1.9		
BSY	Bisya	SNR=9.6	Pn	13 10 29.8	+2.0		
ANAR	Anarak	5.62 329	ePn	13 10 34.5	+1.9		
IGAR	Gharneh	5.96 313	ePn	13 10 44.4			
IGAR	Gharneh	comp=Z,420nm,0.3s	IAMB	13 10 36.7	+1.9		
IZEF	Zefreh	6.12 318	ePn	13 10 36.9			
IZEF	Zefreh	comp=Z,224nm,0.4s	IAMB	13 11 26.6	+5.0		
GEYT	Alibeck	9.55 5	P	13 11 32.2			
GEYT	Alibeck	comp=Z,2.1nm,0.3s, baz=187, slow=17, SNR=8.4	LR	13 12 47.7	+0.1		
GNI	Garni	15.57 322	iP	13 19 45.3			
GNI	Garni	15.57 322	LR	13 19 45.3			
ASF	Jabal al Astar	17.90 287	P	13 13 14.6	+1.2		

Code	Station Name	Δ° AZ°	Phase ID	Time Res	ISC	h m s	ISC
ZEI	ZEI	17.93 327	eP	13 13 13.9	+0.2		
ZEI	ZEI	comp=Z,9.0nm,1.1s	Pmax				
NEY	Neyriz	18.85 326	iP	13 13 27.9	+3.4		
KBZ	Khabaz	19.12 327	Pn	13 13 28.6	+1.1		
KBZ	Khabaz	comp=Z,0.1nm,0.3s, baz=141, slow=14, SNR=3.1	Pn	13 13 29.7	+0.2		
MMAI	Mount Aray	19.26 289	Pn	13 13 32.9	+2.0		
MMAI	Mount Aray	comp=Z,0.4nm,0.3s, baz=101, slow=12, SNR=3.9	Pn				
KIV	Kislovodsk	19.39 327	eP	13 13 32.9	+2.0		
KIV	Kislovodsk	comp=Z,1.2nm,1.1s	Pmax				
AAK	Ala-Archa	19.97 40	iP	13 13 37.8	-0.1		
AAK	Ala-Archa	comp=Z,3.0nm,0.8s	Pmax				
AAK	Ala-Archa	19.97 40	Pn	13 13 37.9	0.0		
AAK	Ala-Archa	comp=Z,2.1nm,0.7s, baz=207, slow=12, SNR=7.8	Pn	13 13 58.7	+0.7		
AKTO	Aktubinsk	22.03 1	P	13 23 28.2			
AKTO	Aktubinsk	comp=Z,6.3nm,0.5s, baz=186, slow=10, SNR=24	LR				
BRTR	Keskin Aray B	22.46 306	P	13 14 03.0	+0.1		
BRTR	Keskin Aray B	comp=Z,7.0nm,0.9s, baz=134, slow=6.7, SNR=27	LR				
BRTR	Keskin Aray B	22.46 306	P	13 14 03.0	+0.1		
BRTR	Keskin Aray B	comp=Z,6.5nm,21.0s, baz=96, slow=40	LR	13 24 15.2			
PYUN	Piutnan	22.75 85	eP	13 14 07.4	+1.3		
PYUN	Piutnan	comp=Z,7.0nm,0.4s	eP	13 14 14.0	+1.2		
DANN	Dangz	23.39 84	eP	13 14 26.0	+1.4		
DANN	Dangz	comp=Z,1.1nm,0.7s	eP	13 14 27.8	+0.8		
DMN	Daman	24.67 85	eP	13 14 27.9	+0.7		
PKIN	Pulchoki	24.93 85	eP	13 14 31.2	+0.7		
PKI	Pulchoki	comp=Z,9.8nm,0.5s	eP	13 14 31.2	+0.7		
GUN	Gumba	25.30 84	eP	13 14 33.5	+1.1		
GUN	Gumba	comp=Z,1.5nm,0.5s	eP				
VRH	Novokhoporsky	25.58 337	eP	13 14 34.8	+1.5		
VRH	Novokhoporsky	comp=Z,1.0nm,0.7s	Pmax				
JIRN	Jiri	25.61 85	eP	13 14 41.1	+0.6		
JIRN	Jiri	comp=Z,1.1nm,0.3s	P	13 14 40.0	0.0		
BVAR	Borovyoye Arr	26.49 18	iP	13 14 40.0	0.0		
BVAR	Borovyoye Arr						

Off east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Krutoberegovo, Semkarok, Baidarnaya, Zelenaya, Sorokina, etc.

IDC 16 13:55:06.8,2.3,520N-125.10E,h0km,mb3.6/4, mb1 3.8/4,mb1mx3.3/4.9,mbtmp3.6/4, Error ellipse: s-maj=261.6km s-min=23.3km az=64.0, Miranda

IDC 16 14:06:59.4,0.9,11.86S;165.32E,h0km,mb3.9/10, mb1 4.1/12,mb1mx3.9/33,mbtmp3.9/12,ML3.8/2, Error ellipse: s-maj=32.3km s-min=18.6km az=142.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Warramunga Arr, Alice Springs, Stephens Creek, etc.

TIF 16 14:19:21.5, 42.33N;40.85E, h41km, 1km NORIS 16 14:19:23.6,0.0,42.53N;41.17E,h10km,MPVA3.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Batumi, Dombai, Borcka, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like GuZR, KTUT, DIGR, KIVD, etc.

TIF 16 14:24:11.9,42.32N;40.88E,h41km MOS 16 14:24:13.6,0.0,42.53N;41.07E,h10km,MPVA3.5

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Dombai, Batumi, Dombai, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Soc, DDEM, Guzeripl', etc.

MOS 16 14:24:47.2,1.3,48.15N;156.71E,h35km,mb4.6/1, Error ellipse: s-maj=13.1km s-min=4.5km az=69.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SKR Severo-Kuril's, SKR, etc.

SKHL 16 14:24:48.5,0.6,48.39N;154.39E,h106km,7km,mb4.6/7, msh5.3/4

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like POU Puzhetka, SKR, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like PET Petropavlovsk, DALK Dalny, etc.

UCLR Ugljovaya 5.57 29 eP Pn 14 26 10.3 +2.0 UCLR Ugljovaya 5.57 29 PN Pn 14 26 10.3 +2.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like UCLR, KOK, KOK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like TUMR, YSS, YSS, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like JKA, ASAJ, ASAJ, etc.

SKRS Korea Array 22.12 250 P P 14 29 33.4 -1.6 H1N2 WAKE ISLAND Hy 30.37 156 T T 15 03 15.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like SKRS, H1N2, H1N1, etc.





MOS 16:15:25.19.5.1.0.5:95N.127.25E, h34km, mb5.3/65, Error ellipse: s-maj=9.3km s-min=4.4km az=108.9  
 GCMT 16:15:25.20.8.0.2.5:99N.020.127.67E:0.01, h14km, MW4.9/92, Moment Tensor Solution, s39,c43; s92,c135; Duration: 0 Moment tensor; Scale 10<sup>16</sup>Nm; Mir-3.29e-16; Mw0.175; Mb3.115; 1.1; Mw-0.15; 2.4; Mw0.29; 0.5; Mw-0.52; 1.7; Best double couple; M3.26000x1016 NP1=7.00000; s50.00000; j-38.00000; NP2; s=184.00000; i84.00000; l-92.00000; Principal axes: T 3.1830, P1g5.00000; Azm96.00000; N 0.1470, P1g2.00000; Azm186.00000; P -3.3370, P1g85.00000; Azm294.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

MAN 16:15:25.20.2.6:03N.127.58E, h70km, MS4.5  
 ISCJB 16:15:25.21.2.0.4.5:92N.020.127.45E:0.03, h50km, 3km, mb5.1/169, MS4.2/31, Error ellipse: s-maj=4.6km s-min=2.7km az=150.7

BUJ 16:15:25.22.5.6:07N.127.40E, h57km, mb5.1/47, mb4.8/65, MS4.5/41, Ms7.4/341

IDC 16:15:25.22.4.0.3.5:88N.127.47E, h46km, 3km, mb4.8/39, mb1.4/843, mb1mx4.8/53, mbtmp5.0/43, MS4.1/19, Ms1.4/119, ms1mx3.9/43, Error ellipse: s-maj=10.1km s-min=5.4km az=63.0

DJA 16:15:25.23.1.0.8.6:7N.127.8E, h95km, 14km, M4.8/14, mb5.2/14, mb5.2/14, MLV5.2/8, Mw(mB)4.6/14

NEIC 16:15:25.23.8.0.7.5:91N.127.35E, h58km, 6km, mb5.3/81, Error ellipse: s-maj=5.6km s-min=3.7km az=72.0

ISC 16:15:25.19.0.4.6:01N.020.127.60E:0.04, h22km, 2km, h22km, P-P, n773, s152/874, mb5.2/168, MS4.2/32, 43C-27D, Philippine Islands region

Code	Station Name	A <sup>1</sup>	AZ <sup>2</sup>	Phase ID	Time	Res
					h m s	ISC
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
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DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Pn	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Sb	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88	273	Op	15 25 50.4	+0.6
DDMP	Don Marcellino	1.88				

GTA	comp-Z,320nm,20.3s	LR	LR		
GTA	comp-Z,490nm,18.7s	LR	LR		
LSA	Lhasa 41.64 309	P	P	15 33 05.9	-0.5
LSA	comp-Z,3.0nm,0.8s	P	P		
LSA	Lhasa 41.64 309	P	P	15 33 07.3	+0.9
YSS	comp-Z,10.0nm,0.7s	eP	P	15 33 18.0	+2.7
YSS	Yuzh-Sakhalins 42.83 15	eP	P	15 33 17.7	+2.5
YSS	comp-Z,32nm,0.8s	eP	P	15 33 30.8	+2.0
YSS	Yuzh-Sakhalins 42.83 15	eP	P	15 33 35.7	-2.6
KUR	comp-Z,40nm,1.0s	eP	P	15 33 18.6	+3.0
ARMA	Kuril'sk 42.88 21	iP	P	15 33 17.6	+1.3
ARMA	Armidade 42.92 149	P	P	15 33 20.0	+1.7
KLR	comp-Z,27nm,0.6s,baz=202,slow=5,1,SNR=123	P	P	15 33 20.1	+1.8
KLR	Kul'dur 43.22 4	iP	P	15 35 07.7	+0.3
KLR	comp-Z,27nm,0.6s,baz=202,slow=5,1,SNR=123	P	P	15 33 22.7	+1.1
HIA	Hailar 43.62 353	iP	P	15 33 26.2	-0.7
HIA	comp-Z,7.0nm,1.0s	P	P	15 33 30.5	+1.0
RAMN	Ramite 44.20 303	eP	P	15 33 31.3	+1.2
RAMN	comp-Z,80nm,0.8s	P	P	15 33 31.1	-0.7
ARPS	Mount Arapiles 44.59 164	P	P	15 33 33.6	-0.9
ARPS	baz=45,SNR=110	P	P	15 33 37.2	+2.8
YNG	Young 44.65 155	P	P	15 33 35.6	+0.7
YNG	baz=45,SNR=15	P	P	15 33 35.4	+0.5
JIRN	Jiri 44.79 304	eP	P	15 33 35.3	-1.4
JIRN	comp-Z,1.48nm,0.9s	P	P	15 33 35.3	-1.4
GUN	Gumba 45.14 304	eP	P	15 33 36.6	+0.2
GUN	comp-Z,7.7nm,0.7s	P	P	15 35 15.5	+0.2
GRNR	Gornyy 45.22 8	eP	P	15 35 29.6	
GRNR	comp-Z,1.4nm,0.7s	P	P	15 39 02.2	-4.8
ULN	Ulanbatar 45.25 341	iP	P	15 33 36.8	+0.3
ULN	comp-Z,1.1nm,0.9s	P	P	15 33 37.6	-1.1
ULN	Ulanbatar 45.25 341	iP	P	15 33 41.0	+1.9
PKI	Pulchoki 45.41 303	eP	P	15 33 40.4	+0.1
PKI	comp-Z,12nm,1.0s	P	P	15 33 45.2	+1.2
PKIN	Pulchoki 45.42 303	eP	P	15 33 45.9	+1.7
PKIN	comp-Z,1.6nm,0.7s	P	P	15 33 46.0	+1.7
SOMM	Songino Array 45.45 340	P	P	15 33 46.0	+1.7
SOMM	comp-Z,4.1nm,0.8s,baz=157,slow=7,0,SNR=25	P	P	15 33 46.0	+1.7
SOMM	comp-Z,4.3nm,0.8s,baz=142,slow=3,9,SNR=6.0	P	P	15 33 48.1	-0.8
SOMM	comp-Z,3.7nm,0.7s,baz=154,slow=4,4,SNR=5.8	P	P	15 33 48.4	-1.1
SOMM	comp-Z,0.6nm,0.9s,baz=145,slow=5,3,SNR=2.4	P	P	15 47 25.0	
SONA1	Songino Array 45.46 340	eP	P	15 33 51.5	+1.1
DMN	Daman 45.67 303	eP	P	15 33 53.2	+0.3
DMN	comp-Z,7.2nm,1.1s	P	P	15 33 53.1	-0.6
CAN	Canberra 45.78 155	P	P	15 34 00.9	+0.9
CAN	comp-Z,4.4nm,1.2s	P	P	15 34 10.1	+1.1
CAN	Canberra Magne 45.93 155	P	P	15 34 20.0	+0.3
CAN	baz=46,SNR=9.7	P	P	15 34 23.0	+0.8
TYB	Timovskoe 46.44 13	eP	P	15 34 37.3	-0.1
TYB	comp-Z,12nm,1.7s	P	P	15 34 42.0	+1.4
TOO	Toolangi 46.46 160	P	P	15 34 49.6	+0.3
TOO	comp-Z,47,SNR=34	P	P	15 34 50.9	+0.9
TOO	Toolangi 46.46 160	P	P	15 34 50.9	+0.9
TOO	comp-Z,3.1nm,1.4s	P	P	15 34 10.1	+1.1
TOO	Toolangi 46.46 160	eP	P	15 34 20.0	+0.3
KOLN	Koldanda 46.99 303	eP	P	15 34 23.0	+0.8
KOLN	comp-Z,91nm,1.4s	P	P	15 34 37.3	-0.1
DANN	Dangsing 47.05 303	eP	P	15 34 42.0	+1.4
DANN	comp-Z,1.1nm,0.8s	P	P	15 34 49.6	+0.3
DZM	Mont Dzumac 47.18 128	eLR	LR	15 34 50.9	+0.9
DZM	comp-Z,438nm,35.0s			15 34 51.5	+1.1
ZEA	Zeya 47.18 128	P	P	15 34 53.2	+0.3
ZEA	comp-Z,15nm,1.0s,baz=38,slow=22,SNR=5.9	P	P	15 34 53.2	+0.3
PYUN	Piuthan 47.60 303	eP	P	15 34 53.2	+0.3
PYUN	comp-Z,220nm,0.8s	P	P	15 34 53.2	+0.3
NKL	Nikolayevsk 48.20 11	eP	P	15 34 53.2	+0.3
NKL	comp-Z,119nm,1.0s	P	P	15 34 53.2	+0.3
ZAK	Zakamensk 48.69 339	eP	P	15 34 53.2	+0.3
ZAK	comp-Z,220nm,1.5s	P	P	15 34 53.2	+0.3
ZAK	Zakamensk 48.69 339	eP	P	15 34 53.2	+0.3
ZAK	comp-Z,4.0nm,1.4s	P	P	15 34 53.2	+0.3
HYB	Hyderabad 49.21 288	iP	P	15 34 53.2	+0.3
TYL	Talaya 49.66 341	eP	P	15 34 53.2	+0.3
TYL	comp-Z,18nm,0.8s	P	P	15 34 53.2	+0.3
TYL	Talaya 49.66 341	eP	P	15 34 53.2	+0.3
KNGR	Kungurtug, Tuv 51.06 336	iP	P	15 34 53.2	+0.3
WMQ	Urumqi 51.39 324	P	P	15 34 53.2	+0.3
WMQ	comp-Z,220nm,0.7s	P	P	15 34 53.2	+0.3
WMQ	comp-Z,220nm,5.3s	P	P	15 34 53.2	+0.3
WMQ	comp-Z,640nm,23.3s	LR	LR	15 34 53.2	+0.3
WMQ	comp-Z,650nm,19.3s	LR	LR	15 34 53.2	+0.3
MOO	Moorlands 51.41 161	P	P	15 34 53.2	+0.3
BOD	Bodaibo 52.76 351	eP	P	15 34 53.2	+0.3
BOD	comp-Z,25nm,1.0s	P	P	15 34 53.2	+0.3
PETK	Petropavlovsk 53.01 22	P	P	15 34 53.2	+0.3
PETK	comp-Z,27nm,0.7s,baz=198,slow=4,3,SNR=42	P	P	15 34 53.2	+0.3
PET	Petropavlovsk 53.31 23	iP	P	15 34 53.2	+0.3
PET	comp-Z,75nm,1.1s	P	P	15 34 53.2	+0.3
DGZ	Jazzator, Alta 55.07 329	dIP	P	15 34 53.2	+0.3
DGZ	comp-Z,2.0nm,0.9s	P	P	15 34 53.2	+0.3
MSVF	Nonsavu 55.10 116	eP	P	15 34 53.2	+0.3
MSVF	comp-Z,129nm,0.9s	P	P	15 34 53.2	+0.3
MSVF	Nonsavu 55.10 116	eP	P	15 34 53.2	+0.3
YAK	Yakutsk 55.92 1	dIP	P	15 34 53.2	+0.3
YAK	comp-Z,137nm,1.0s	P	P	15 34 53.2	+0.3
YAK	Yakutsk 55.92 1	dIP	P	15 34 53.2	+0.3
YAK	comp-Z,546nm,0.8s	P	P	15 34 53.2	+0.3
YAK	comp-N,190nm,1.0s	P	P	15 34 53.2	+0.3
YAK	Yakutsk 55.92 1	dIP	P	15 34 53.2	+0.3
YAK	comp-E,41nm,0.9s	P	P	15 34 53.2	+0.3
YAK	comp-Z,678nm,4.3s	P	P	15 34 53.2	+0.3
YAK	comp-E,325nm,4.3s	P	P	15 34 53.2	+0.3
YAK	comp-N,510nm,4.2s	P	P	15 34 53.2	+0.3
YAK	comp-E,1um,4.7s	P	P	15 34 53.2	+0.3
MK01	Makanchi Array 56.19 324	eP	P	15 34 53.2	+0.3
MK01	comp-Z,22nm,0.9s	P	P	15 34 53.2	+0.3
MK31	Makanchi Array 56.21 324	P	P	15 34 53.2	+0.3
MK31	comp-Z,1.1nm,0.5s,baz=121,slow=8,7,SNR=36	P	P	15 34 53.2	+0.3
MKAR	Makanchi Array 56.21 324	P	P	15 34 53.2	+0.3
MKAR	comp-Z,2.2nm,0.9s,baz=109,slow=6,6,SNR=3.7	P	P	15 34 53.2	+0.3
MKAR	comp-Z,0.6nm,0.8s,baz=125,slow=14,SNR=4.3	P	P	15 34 53.2	+0.3

PDGK	Podgornoye 56.24 319	P	P	15 34 56.9	-0.9
PDGK	comp-Z,12nm,1.0s	P	P	15 34 56.9	-0.9
MA2	Magadan 56.30 14	eP	P	15 34 56.9	+2.2
MA2	comp-Z,15nm,0.8s	P	P	15 35 56.6	+1.7
MA2	Magadan 56.30 14	eP	P	15 35 00.0	+2.2
MA2	comp-Z,41nm,1.7s	P	P	15 35 00.1	+2.4
MA2	Magadan 56.30 14	eP	P	15 35 56.6	+1.7
MA2	comp-Z,12nm,0.6s,baz=202,slow=7,0,SNR=31	P	P	15 34 59.0	+0.2
MA2	Magadan 56.40 324	eP	P	15 34 59.0	+0.2
MA2	comp-Z,9.6nm,0.8s,baz=188,slow=2,5,SNR=4.9	P	P	15 34 59.0	+0.2
MAKZ	Makanchi 56.40 324	eP	P	15 34 59.0	+0.2
MAKZ	comp-Z,20nm,1.0s	P	P	15 35 05.3	+1.5
MAKZ	Makanchi 56.40 324	eP	P	15 35 17.6	+5.5
MAKZ	comp-Z,20nm,1.0s	P	P	15 42 52.8	-4.9
MAKZ	Makanchi 56.40 324	eP	P	15 43 23.0	+1.7
MAKZ	comp-Z,20nm,1.0s	P	P	15 46 47.3	+0.6
KSH	Kashi 57.08 314	P	P	15 35 16.1	-0.6
KSH	comp-Z,17nm,0.6s	P	P	15 35 16.2	-0.5
KSH	comp-Z,160nm,4.9s	LR	LR	15 35 28.9	-3.1
KSH	comp-Z,380nm,5.3s	LR	LR	15 43 18.6	-3.2
KSH	comp-Z,190nm,5.6s	LR	LR	16 03 29.3	
KSH	comp-Z,500nm,4.9s	LR	LR	16 05 03.9	
NRN	Naryn 57.79 316	eP	P	15 35 17.4	-0.3
NRN	comp-Z,22nm,1.5s	P	P	15 35 19.4	+0.1
NRN	Naryn 57.79 316	eP	P	15 35 23.8	+2.7
NRN	comp-Z,0.9nm,0.7s,baz=323,slow=2,2,SNR=4.1	P	P	15 35 23.5	+0.3
ZAAO	Zalesovo Array 58.98 332	P	P	15 35 25.3	-0.2
ZAAO	comp-Z,14nm,0.8s	P	P	15 35 25.3	-0.2
ZALV	Zalesovo Beam 58.98 332	P	P	15 35 25.3	-0.2
ZALV	comp-Z,3.5nm,0.4s,baz=117,slow=6,6,SNR=27	P	P	15 35 25.3	-0.2
ZALV	comp-Z,1.0nm,0.6s,baz=118,slow=7,1,SNR=15	P	P	15 35 25.3	-0.2
ZALV	comp-Z,0.9nm,0.6s,baz=148,slow=14,SNR=6.6	P	P	15 35 25.3	-0.2
ZALV	comp-Z,167nm,19.6s,baz=70,slow=3,9	LR	LR	15 35 25.3	-0.2
ZALV	comp-Z,0.9nm,0.7s,baz=323,slow=2,2,SNR=4.1	LR	LR	15 35 25.3	-0.2
SFK	Sufi-Kurgan 59.03 313	iP	P	15 35 19.4	+0.1
SFK	comp-Z,4.0nm,0.5s	P	P	15 35 19.4	+0.1
AAK	Ala-Archa 59.28 317	eP	P	15 35 23.8	+2.7
AAK	comp-Z,27nm,1.7s	P	P	15 35 23.8	+2.7
AAK	Ala-Archa 59.28 317	dIP	P	15 35 23.8	+2.7
SEY	Seymchan 59.63 13	P	P	15 35 23.8	+2.7
SEY	comp-Z,5.8nm,0.6s,baz=217,slow=6,5,SNR=30	P	P	15 35 23.8	+2.7
ARSB	Arslanbob 59.86 315	eP	P	15 35 23.8	+2.7
ARSB	comp-Z,29nm,1.3s	P	P	15 35 23.8	+2.7
NVS	Novosibirsk 60.26 332	iP	P	15 35 23.8	+2.7
NVS	comp-N,12nm,1.0s	P	P	15 35 23.8	+2.7
NVS	Novosibirsk 60.26 332	iP	P	15 35 23.8	+2.7
NVS	comp-E,12nm,1.0s	P	P	15 35 23.8	+2.7
NVS	Novosibirsk 60.26 332	iP	P	15 35 23.8	+2.7
NVS	comp-Z,21nm,1.0s	P	P	15 35 23.8	+2.7
NVS	Novosibirsk 60.26 332	iP	P	15 35 23.8	+2.7
NVS	comp-N,11nm,1.4s	P	P	15 35 23.8	+2.7
NVS	Novosibirsk 60.26 332	iP	P	15 35 23.8	+2.7
NVS	comp-E,14nm,1.4s	P	P	15 35 23.8	+2.7
KURK	Kurchatov 60.31 326	dIP	P	15 35 23.8	+2.7
KURK	comp-Z,54nm,1.7s	P	P	15 35 23.8	+2.7
KURB	Kurchatov Array 60.32 326	S	S	15 35 23.8	+2.7
KURB	comp-Z,0.4nm,0.6s,baz=120,slow=1,1,SNR=6.3	S	S	15 35 23.8	+2.7
MNAS	Manas 60.60 316	iP	P	15 35 23.8	+2.7
MNAS	comp-Z,11nm,0.7s	P	P	15 35 23.8	+2.7
KBL	Kabul 60.86 306	eP	P	15 35 23.8	+2.7
KBL	comp-Z,23nm,0.9s	P	P	15 35 23.8	+2.7
KBL	Kabul 60.86 306	eP	P	15 35 23.8	+2.7
KBL	comp-Z,30nm,1.2s	P	P	15 35 23.8	+2.7
BTk	Batken 61.00 313	eP	P	15 35 23.8	+2.7
BTk	comp-Z,26nm,1.0s	P	P	15 35 23.8	+2.7
BTk	Batken 61.00 313	eP	P	15 35 23.8	+2.7
BTk	comp-Z,26nm,1.0s	P	P	15 35 23.8	+2.7
KK31	Karatay Array 62.19 316	eP	P	15 35 23.8	+2.7
KK31	comp-Z,15nm,1.0s	P	P	15 35 23.8	+2.7
KKAR	Karatay Array 62.19 316	eP	P	15 35 23.8	+2.7
KKAR	comp-Z,15nm,1.0s	P	P	15 35 23.8	+2.7
KKAR	Karatay Array 62.19 316	eP	P	15 35 23.8	+2.7
OTUK	Ortuy 62.86 322	P	P	15 35 23.8	+2.7
OTUK	comp-Z,15nm,1.0s	P	P	15 35 23.8	+2.7
RPZ	Rata Peaks 63.13 146	P	P	15 35 23.8	+2.7
RPZ	comp-Z,12nm,0.5s,baz=354,slow=4,2,SNR=9.1	P	P	15 35 23.8	+2.7
URZ	Urewera 63.62 138	P	P	15 35 23.8	+2.7
URZ	comp-Z,6.7nm,0.9s,baz=297,slow=2,3,SNR=3.8	P	P	15 35 23.8	+2.7
BVAO	Borovoye Array 65.91 326	P	P	15 35	





Table with columns: RKT, ASAR, ASAR, WRAB, WRA, WRA, SIJI, MJAR, LEM, LEM, NVAR, KSRs, KSRs, TXAR, PDAR, SEY, ILAR, ENH, CMAR, YKA, SONM, BVAR, AKASG, CLL, CLL, BRTR, BRG, KHC, KHC, GERES. Each row contains station name, coordinates, and other parameters.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Title: KRSC 16:15:36:12.8:0.7, 55.78N x 163.38E, h18km, ML3.7, Off east coast of Kamchatka Peninsula.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Title: BEO 16:15:36:37.3:0.4, 42.49N x 19.87E, h0km, ML1.3/3, Northwestern Balkan Peninsula.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Title: ISCJB 16:15:38:38.8:1.6, 8.49S:0.06:107.90E:0.04, h19km, 10km, mb3.0/3, Error ellipse: s-maj=12.0km s-min=5.5km az=28.0.

Table with columns: H0S2, H0S3, H0S1, MKAR. Station names and coordinates.

IDC 16:16:04:13.8:1.6, 37.48N:141.87E, h0km, mb3.5/6, mb1 3.5/8, mb1mx3.4/4.5, mbtmp3.4/8, ML2.5/2, MS3.1/2, Ms1 3.1/2, ms1mx2.6/4.0, Error ellipse: s-maj=34.5km s-min=24.3km az=94.0.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Title: ISC 16:16:04:17.4:1.1, 37.42N:0.06:141.77E:0.10, h21km, 4km, n20, r15129, mb3.4/6, Near east coast of eastern Honshu.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Title: MEX 16:16:06:03.3:1.3, 18.18N x 101.46W, h20km, 502km, MD3.7, Guerrero.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Title: ISCJB 16:16:10:11.8:0.7, 0.39S:0.05:98.46E:0.06, h32km, mb3.4/5, Error ellipse: s-maj=9.5km s-min=5.5km az=142.9.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Title: ISC 16:16:10:11.3:3.3, 0.13S:99.06E, h0km, mb3.4/5, mb1 3.5/6, mb1mx3.3/4.5, mbtmp3.3/6, Error ellipse: s-maj=134.9km s-min=20.6km az=21.0.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Title: ISC 16:16:15:17.0:0.9, 0.40S:0.06:98.48E:0.08, h32km, n16, r125/17, mb3.5/5, Southern Sumatra.

Table with columns: ILAR, PDAR, YKA, BRTR, GERES. Station names and coordinates.

IDC 16:16:16:53.5:5.2, 15.97S x 12.82W, h0km, mb3.8/4, mb1 3.3/4, mb1mx3.6/3.0, mbtmp3.8/4, MS3.7/1.1, Ms1 3.7/1.1, ms1mx3.5/2.5, Error ellipse: s-maj=245.5km s-min=30.1km az=136.0, Southern Mid-Atlantic Ridge.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Title: H10S2 ASCENSION HYDR 7.19 345 T, H10S3 ASCENSION HYDR 7.20 345 T, H10S1 ASCENSION HYDR 8.23 348 T, H10N3 ASCENSION HYDR 8.24 348 T, H10N2 ASCENSION HYDR 8.25 348 T, DBIC Dimbrok 23.83 20 P, TORO Torodi Arr. Bea 32.29 27 P, TORO Torodi Arr. Bea 32.29 27 P, BDFB Brasilia 33.84 266 LR, BOSA Brasilia 37.25 116 LR, CPUP Cuzco 42.59 248 LR, LPAZ La Paz 52.99 261 LR, USHA Ushuaia 57.50 214 LR, ROSC El Rosal 64.25 284 LR, BRTR Keskin Array B 70.30 36 LR, AKASG Malin Array Be 75.92 26 P, NOA NORSTAR Array B 79.12 12 LR, GEYT Alibek 85.35 49 LR.

IDC 16:16:25:15.5:1.5, 14.59N x 145.17E, h105km, 10km, mb3.0/4, mb1 3.3/4, mb1mx2.9/5.0, mbtmp3.8/4, MS3.3/2, Ms1 3.3/2, ms1mx2.8/3.1, Error ellipse: s-maj=51.7km s-min=20.7km az=97.0, Mariana Islands.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Title: GUMO Guam 1.04 196 P, GUMO Guam 1.04 196 P, GUMO Guam 1.04 196 P, H10S3 WAKE ISLAND Hy 20.99 76 T, H11S1 WAKE ISLAND Hy 21.00 76 T, H11S2 WAKE ISLAND Hy 21.00 76 T, H11S3 WAKE ISLAND Hy 21.00 76 T, WRA Warramunga Arr 35.93 198 P, ASAR Alice Springs 39.58 196 P, MKAR Makanchi Array 60.98 316 P, ILAR Eielson Array 67.55 25 P.

IDC 16:16:37:27.9:3.2, 25.15S x 176.16W, h0km, mb3.5/3, mb1 3.8/3, mb1mx3.6/2.1, mbtmp3.5/3, Error ellipse: s-maj=270.4km s-min=36.9km az=163.0, South of Fiji Islands.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Title: ASAR Alice Springs 45.29 261 P, WRA Warramunga Arr 45.81 266 P, TXAR Lajitas Array 85.15 36 P.

IDC 16:16:42:56.9:1.0, 49.95N:28.91W, h0km, mb3.4/6, mb1 3.7/6, mb1mx3.4/3.4, mbtmp3.3/6, Error ellipse: s-maj=36.2km s-min=21.7km az=13.0, Northern Mid-Atlantic Ridge.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Title: ESDC Sonsea Array 20.37 111 P, FINES FINES Array B 32.05 48 P, TORO Torodi Arr. Bea 44.43 135 P, PDAR Pinedale Array 53.58 295 P, TXAR Lajitas Array 58.64 279 P, MKAR Makanchi Array 66.79 44 P, ALICE Alice Springs 150.52 33 PKPbc, ALICE Alice Springs 150.52 33 PKPbc.

MDD 16:16:49:14.6:2.4, 36.04N:0.69W, h23km, 23km, mbLg1.9/7, Error ellipse: s-maj=18.4km s-min=6.9km az=14.0, PRXIMO.

CNRM 16:16:49:17.1:36.03N:1.55W, h30km, m2.5, ISC 16:16:49:10.0:1.3, 35.95N:0.04:0.95W:0.04, h31km, 14km, n19, r251727, Northern Algeria.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Title: OKGL Djebel Kefoue 1.29 86 P, OKGL Djebel Kefoue 1.29 86 P, GOG Mont Gurgu 1.82 247 S, EBER Berja 1.83 302 P, EBER Berja 1.83 302 P, EMUR La Murta 1.90 353 P, EMUR La Murta 1.90 353 P, JBK JBK 2.09 220 P, ELGU Los Gualares 2.35 294 P, EQUATE Equateur 2.36 303 P, EQUATE Equateur 2.36 303 P, EQES Quesada 2.51 318 P, EQES Quesada 2.51 318 P, SESP Santiago Espada 2.51 330 P.





16d 18h

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like MAKZ Makanchi, ONAJ Iwakimizuishi, JFFD Fukushimafurud, etc.

NIED 16 17:56:00,37.10N,141.40E,h41km,Mw3.6 Best double couple: M=2.88000e+10^4 NP1=85.00000^0,d13.00000^0,...

JMA 16 17:56:17.3-0.1,37.13N,141.35E,h49km,1km,M3.9 JMA Fe1 1/1

ISC 16 17:56:13.3-1.8,37.10N,0.05e+141.59E,0.06,h12km,10km, H25u, c=1842/31,m3.4/6,Near east coast of eastern

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like JFK Kawauchi, ONAJ Iwakimizuishi, JFFD Fukushimafurud, etc.

KRNET 16 18:03:58.0-0.1,42.54N,79.69E,h18km,mb3.2 ISCEBJ 16 18:03:59.2-0.7,42.52N,0.03,79.74E,0.04,h10km,Error ellipse: s-maj=6.0km s-min=2.8km az=139.3

2013 FEB

Main table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like KOTS 24nm,0.2s, MDOK Medeo, etc.

ISC 16 18:03:59.0,42.55N,79.68E,h20km NNC 16 18:03:59.0,42.55N,79.68E,h20km Error ellipse: s-maj=4.4km s-min=2.5km az=136.0

1278

Table with columns: Code, Station Name, Az, Az', Phase, ID, Time, Res, ISC. Includes stations like MNAS 5.2nm,1.1s, HNR Honiara, etc.

ISC 16 18:29:29.7-0.2,11.19S,0.04e+164.55E,0.04,h29km,6635, c=1929/658,mb5.3/290,MS4-6/1,10C-9D,Santa Cruz Islands region

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like H11S1 WAKE ISLAND, BKZ Black Stump Fm, WRAB Tennant Creek, etc.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like TBI Tubuai, TBI Tubuai, PCI Palu, MEEK Meekehathara, etc.

Table with columns: Station, Frequency, Power, Class, and other technical details. Includes stations like QIZ comp=N,270nm,23.5s, VLA Vladivostok, USA0B Ussuriysk Arra, etc.

16d 18h

Table with columns: Station, Frequency, Power, Class, and other metrics. Includes stations like MA2 Magadan, CD2 Chengdu, HIA Hailar, etc.

2013 FEB

Table with columns: Station, Frequency, Power, Class, and other metrics. Includes stations like TLY Talaya, EYAK Cordova Ski Ar, SCM Sheep Creek Mo, etc.

1280

Table with columns: Station, Frequency, Power, Class, and other metrics. Includes stations like CMB Columbia Colle, GUN Gumb, PALK Pallekele, etc.

Table with columns: GSC, comp-Z, pmax, pmax, and various station names like Goldstone, GRAC, KVN, etc.

Table with columns: comp-Z, pmax, pmax, and various station names like HVU, NLU, SPUT, etc.

Table with columns: TORD, TOA1, IDC, Code, Station Name, Az, Az, Phase ID, Time, Res, and various station names like WRA, ASAR, ILAR, etc.

16d 20h

Table of meteorological data for 16 days and 20 hours, listing station names, coordinates, and various atmospheric parameters.

2013 FEB

Table of meteorological data for February 2013, listing station names, coordinates, and various atmospheric parameters.

1282

Table of meteorological data for station YKA, including coordinates and atmospheric parameters.

ISCJB 16 19:21:55.6 0.6, 67.57N, 0.04:142.9E:0.1, h10km, mb3.2/4, Error ellipse: s-maj=7.3km s-min=5.9km az=28.6

Table of meteorological data for station MAMA, including coordinates and atmospheric parameters.

ISCJB 16 19:25:05.3 0.6, 4.02S, 0.06:136.99E:0.06, h150km, mb3.4/5, Error ellipse: s-maj=8.3km s-min=7.8km az=162.0

ISCJB 16 19:15:08.3 0.4, 35.85N, 0.04:141.63E:0.05, h26km, mb3.8/18, MS3.3/1, Error ellipse: s-maj=6.5km

Table of meteorological data for station JAY, including coordinates and atmospheric parameters.

ISCJB 16 20:12:45.0 2.3, 43.38N, 105.32W, h0km, mb1.3/3.3, mb1mx3.1/5.0, mbtmp3.1/3.1, ML3.0/3.0, Error ellipse: s-maj=45.8km s-min=9.5km az=153.0

ISCJB 16 20:12:45.6 0.6, 43.63N, 104.105:17W:0.08, h0km, Error ellipse: s-maj=7.9km s-min=5.5km az=2.3

NEIC 17 20:12:46.8 1.1, 43.58N, 0.05:105.27W:0.06, h0km, n35, s=140.3/4, Wyoming

Table of meteorological data for station RSSD, including coordinates and atmospheric parameters.

YKA Yellowknife Ar 19.72 347 P P 20 17 17.2 -0.4

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like CMAR Chiang Mai Arr, GUMO Guam, SONGO Songoing Arr, WRA Warrung Arr, ASAR Alice Springs, MKAR Makanchi Arr.

ISCJB 16:20:27.09.2.0.4, 0.07N, 0.06E, 123.44E, 0.03, h157km, mb3.6/8, Error ellipse: s-maj=8.0km s-min=4.9km az=1.6

DJA 16:20:27.11.2.0.4, 0.1N, 3.12E, h144km, 6km, M3.9/11, MLV3.9/11

ISC 16:20:27.12.7.3.7, 0.13N, 123.59E, h181km, 37km, mb3.3/8, mb1.3/4.9, mb1mx3.2/5.1, mbtpm3.0, Error ellipse: s-maj=31.9km s-min=12.0km az=72.0

ISC 16:20:27.10.5.0.6, 0.03S, 0.06E, 123.42E, 0.04, h157km, n20, s196/30, mb3.6/8, Minahasa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like KMSI Cibinong, LUWI Luwuk, MRSI Marisa, AMPSI Ampana, SANI Sanana, MPSI Mapaga, PCI Palu, TMTI Ternate, TTSI Tana Toraja, NLAJ Namlea, SIJI Sorong, FITZ Fitzroy Crossi, WRA Warrung Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, STKA Stephens Creek, MJAR Matsushiro Arr, SONK Songoing Arr, MKAR Makanchi Arr, ZALV Zalesovo Arr.

GUC 16:20:28.10.4.0.7, 33.96S, 72.11W, h24km, 14km, ML3.5, Off coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like CHPI Pichilemu, ROCH El Roble, CLCH Cerro Calan, PEL Petdehue, LMEL Las Melosas, FCH Farellones, CMCH Combarbala.

ISC 16:20:29.15.6.1.6, 15.67S, 13.40W, h0km, mb4.0/10, mb1.4/1.0, mb1mx3.9/3.3, mbtpm4.0/10, MS4.1/9, Ms1.4/1.9, ms1mx3.7/2.4, Error ellipse: s-maj=61.0km s-min=39.3km az=117.0

ISCJB 16:20:29.16.4.0.8, 15.55S, 0.1x13.2W, 0.1, h10km, mb4.2/16, MS4.1/9, Error ellipse: s-maj=20.3km s-min=16.4km az=162.0

NEIC 16:20:29.17.9.0.6, 15.57S, 13.21W, h10km, mb4.6/7, Error ellipse: s-maj=14.0km s-min=11.1km az=177.0

GCMT 16:20:29.18.9.0.4, 15.47S, 0.04x13.26W, 0.03, h21km, 1km, MW4.9/72, Moment Tensor Solution, s17, c17, s72, c20; Duration: 0; Moment tensor: Scale: 1.01Nm, M1: 2.69E+20; M2: 0.35E+21; M3: 1.1E+21; M4: 1.8E+21; M5: 0.04E+23; Best double couple: M2: 7.3300E+20; NP1: 3.36E+00000; s50.00000; A: -115.00000; NP2: 0.5192E+00000; s46.00000; A: -63.00000; N: Principal axes: T 2.3710, P1g2.00000; Azm84.00000; N: 0.72000; Azp179.00000; Azm353.00000; P: -0.9500, P1g71.00000; Azp179.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 16:20:29.17.7.0.8, 15.55S, 0.2x13.2W, 0.1, h10km, n38, c075/23, mb4.4/16, MS4.0/9, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like HI052 ASCENSION HYDR, HI053 ASCENSION HYDR, HI051 ASCENSION HYDR, SHEL Horse Pasture, DBIC Dimbokri, DBIC, TSUM Tsumeb, TOAO Torodi Arr, TORD Torodi Arr.

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like TORO Torodi Arr, TOA1 Torodi Arr, BDFB Brasilia, BOSB Boshof, CPUP Villa Florida, LPAZ La Paz, ESDC Sonsea Array, STVI Saint Thomas, SDV Santo Domingo, ROSC El Rosal, GEAO GERESS Array B, GERES GERESS Array B, BR101 Keakin Array S, BRTR Keakin Array S, MLR Muntele Rosu, SIRT Sirtak, QSPA South Pole Qui, AK11 Malin Array Si, AKASA Malin Array Si, AKKB Malin Array Si, NB200 NORSAR Array S, NOA NORSAR Array B, FIAO FINESS Array S, FINES FINESS Array B, FIA1 FINESS Array S, SCHO Schefferville, SCHO Schefferville, GEYT Alibeck, VNDA Vienda, ILAR Gieslon Array, ASAR Alice Springs.

ISC 16:20:40.48.3.1.9, 11.49S, 118.08E, h0km, mb3.4/1, mb1.3/4.5, mb1mx3.2/3.7, mbtpm3.3/5, ML3.2/4, MS3.0/1, Ms1.3/2.1, ms1mx2.4/2.8, Error ellipse: s-maj=65.5km s-min=24.1km az=42.0

ISCJB 16:20:40.51.2.0.7, 11.49S, 0.07x118.17E, 0.04, h36km, mb3.3/1, MS2.9/1, Error ellipse: s-maj=9.6km s-min=6.2km az=9.2

DJA 16:20:40.55.8.0.5, 11.51S, 7.11E, h68km, 47km, M3.9/7, mb4.0/2, MLV3.9/7

ISC 16:20:40.53.3.1.1, 11.37S, 0.09x118.17E, 0.06, h36km, n16, s130/19, South of Sumbawa

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like PLA1 Plampang, BASI Baing, WSI Waingapu, DNP Denpasar, EDPI Ende, SRI Singaraja, MMRI Maumere, JAGI Jajag, BATI Baumata, BATI Baumata, GMJI Gumukmas, SOEI Soe, FITZ Fitzroy Crossi, WRA Warrung Arr, ASAR Alice Springs, ASAR Alice Springs, CMAR Chiang Mai Arr, MKAR Makanchi Arr.

DJA 16:20:43.42.2.1.3, 1.1N, 5.12E, h12km, 14km, M3.8/4, MLV3.8/4

ISCJB 16:20:43.44.1.1.9, 1.0N, 0.2x126.3E, 0.1, h39km, mb3.5/3, Error ellipse: s-maj=31.4km s-min=15.4km az=1.4

ISC 16:20:43.42.1.15, 0.01S, 126.34E, h0km, mb3.6/8, mb1.3/8.3, mb1mx3.4/3.9, mbtpm3.6/3, Error ellipse: s-maj=241.8km s-min=166.0km az=159.0

ISC 16:20:43.46.1.1.8, 1.0N, 0.2x126.37E, 0.08, h39km, n6, s300/6, mb3.7/3, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Phase ID, Time Res, ISC. Includes stations like TMTI Ternate, KMSI Cibinong, SANI Sanana, WRA Warrung Arr, ASAR Alice Springs, STKA Stephens Creek, NIED NIED, ISCJB ISCJB, ISC ISC, JMA JMA, NEIC NEIC, MOS MOS, ULN ULN.

ISC 16:20:45.00.40.8N, 145.30E, h5km, MW4.0, Best double couple: M1: 0.90000; M2: 1.19200; M3: 2.00000; M4: 3.25000; M5: 4.90000; NP1: 22.00000; NP2: 22.00000; NP3: 0.00000; NP4: 0.00000; NP5: 0.00000; NP6: 0.00000; NP7: 0.00000; NP8: 0.00000; NP9: 0.00000; NP10: 0.00000; NP11: 0.00000; NP12: 0.00000; NP13: 0.00000; NP14: 0.00000; NP15: 0.00000; NP16: 0.00000; NP17: 0.00000; NP18: 0.00000; NP19: 0.00000; NP20: 0.00000; NP21: 0.00000; NP22: 0.00000; NP23: 0.00000; NP24: 0.00000; NP25: 0.00000; NP26: 0.00000; NP27: 0.00000; NP28: 0.00000; NP29: 0.00000; NP30: 0.00000; NP31: 0.00000; NP32: 0.00000; NP33: 0.00000; NP34: 0.00000; NP35: 0.00000; NP36: 0.00000; NP37: 0.00000; NP38: 0.00000; NP39: 0.00000; NP40: 0.00000; NP41: 0.00000; NP42: 0.00000; NP43: 0.00000; NP44: 0.00000; NP45: 0.00000; NP46: 0.00000; NP47: 0.00000; NP48: 0.00000; NP49: 0.00000; NP50: 0.00000; NP51: 0.00000; NP52: 0.00000; NP53: 0.00000; NP54: 0.00000; NP55: 0.00000; NP56: 0.00000; NP57: 0.00000; NP58: 0.00000; NP59: 0.00000; NP60: 0.00000; NP61: 0.00000; NP62: 0.00000; NP63: 0.00000; NP64: 0.00000; NP65: 0.00000; NP66: 0.00000; NP67: 0.00000; NP68: 0.00000; NP69: 0.00000; NP70: 0.00000; NP71: 0.00000; NP72: 0.00000; NP73: 0.00000; NP74: 0.00000; NP75: 0.00000; NP76: 0.00000; NP77: 0.00000; NP78: 0.00000; NP79: 0.00000; NP80: 0.00000; NP81: 0.00000; NP82: 0.00000; NP83: 0.00000; NP84: 0.00000; NP85: 0.00000; NP86: 0.00000; NP87: 0.00000; NP88: 0.00000; NP89: 0.00000; NP90: 0.00000; NP91: 0.00000; NP92: 0.00000; NP93: 0.00000; NP94: 0.00000; NP95: 0.00000; NP96: 0.00000; NP97: 0.00000; NP98: 0.00000; NP99: 0.00000; NP100: 0.00000; NP101: 0.00000; NP102: 0.00000; NP103: 0.00000; NP104: 0.00000; NP105: 0.00000; NP106: 0.00000; NP107: 0.00000; NP108: 0.00000; NP109: 0.00000; NP110: 0.00000; NP111: 0.00000; NP112: 0.00000; NP113: 0.00000; NP114: 0.00000; NP115: 0.00000; NP116: 0.00000; NP117: 0.00000; NP118: 0.00000; NP119: 0.00000; NP120: 0.00000; NP121: 0.00000; NP122: 0.00000; NP123: 0.00000; NP124: 0.00000; NP125: 0.00000; NP126: 0.00000; NP127: 0.00000; NP128: 0.00000; NP129: 0.00000; NP130: 0.00000; NP131: 0.00000; NP132: 0.00000; NP133: 0.00000; NP134: 0.00000; NP135: 0.00000; NP136: 0.00000; NP137: 0.00000; NP138: 0.00000; NP139: 0.00000; NP140: 0.00000; NP141: 0.00000; NP142: 0.00000; NP143: 0.00000; NP144: 0.00000; NP145: 0.00000; NP146: 0.00000; NP147: 0.00000; NP148: 0.00000; NP149: 0.00000; NP150: 0.00000; NP151: 0.00000; NP152: 0.00000; NP153: 0.00000; NP154: 0.00000; NP155: 0.00000; NP156: 0.00000; NP157: 0.00000; NP158: 0.00000; NP159: 0.00000; NP160: 0.00000; NP161: 0.00000; NP162: 0.00000; NP163: 0.00000; NP164: 0.00000; NP165: 0.00000; NP166: 0.00000; NP167: 0.00000; NP168: 0.00000; NP169: 0.00000; NP170: 0.00000; NP171: 0.00000; NP172: 0.00000; NP173: 0.00000; NP174: 0.00000; NP175: 0.00000; NP176: 0.00000; NP177: 0.00000; NP178: 0.00000; NP179: 0.00000; NP180: 0.00000; NP181: 0.00000; NP182: 0.00000; NP183: 0.00000; NP184: 0.00000; NP185: 0.00000; NP186: 0.00000; NP187: 0.00000; 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Table with columns: Station Name, Azimuth, Altitude, Phase, ID, Time, Res, ISC. Includes stations like ZAK, GTA, GEAO, TXAR, DJA, BNDI, NLAI, SWI, FAKI, SANI, TNTI, RKPI, SAUI, MEX, PNIG, VHO, CAIG, IDC, NEIC, ISCJB, ISC, HNR, HNR, HNR, DZM, EIDS, CTA, CTAO, H1S2, H1S3, H1S1, WAKE, H1N1, H1N3, H1N2, STKA, WRAB, WB2, WR1, WRA, AS31, ASAR, FITZ, FITZ, CM31, CMAR, RSO, SONM, HDA, ILI, ILAR, ILB, EGAK, NV01, NVAR, BOZ, KWV, ZALV, ZAA1, MK32, MKAR, YKA, YKB5, ESDC, IDC, HNR, WRA, CMAR, ILAR, MKAR, YKA, YKB5, ESDC, TIR, MOS.

Table with columns: Station Name, Azimuth, Altitude, Phase, ID, Time, Res, ISC. Includes stations like az=85.9, LDG, ISCJB, ROM, PDG, NEIC, BUJ, PRU, GCMT, MWS, GIUL, PTOR, CERA, INTR, RNI2, MIDA, HNR, WRA, CMAR, ILAR, MKAR, YKA, YKB5, ESDC, TIR, MOS.

Table with columns: Station Name, Azimuth, Altitude, Phase, ID, Time, Res, ISC. Includes stations like POFI, VVLD, GUAR, GIUL, PTOR, CERA, INTR, RNI2, MIDA, HNR, WRA, CMAR, ILAR, MKAR, YKA, YKB5, ESDC, TIR, MOS.







16d 21h

Table with columns for station name, frequency, power, and other technical details. Includes stations like SBF Sospel, KOSI Kohlern, APPI Appiano, SOKA Soboth, etc.

2013 FEB

Table with columns for station name, frequency, power, and other technical details. Includes stations like SMRF Simiane la Rot, BOVS Bovan, SOP Sopron, etc.

1288

Table with columns for station name, frequency, power, and other technical details. Includes stations like KRUC Moravsky, MMB Musomiste, DSF Desfina, etc.













16d 22h

Table with columns for station ID, name, coordinates, and various data points. Includes stations like QZHW, TWG Pinlang, TLY Talaya, GUMO Guam, H11S1 WAKE ISLAND Hy, ZAK ZAK, H11S2 WAKE ISLAND Hy, XAN XAN, GAMB Gambell, MOY MOY, ENH ENH, LZH Lanzhou, ANM ANM, GTA Gaotai, RDOG Red Dog Mine, CD2 Chengdu, GYA Guiyang, TGY Tagay City, SVW2 Sparrevohr, IM3 Indian Mountai, OHAK Old Harbor, NRIK Noril'sk, RSO Redoubt South, QIZ Qiongzong, CCB Clear Creek Bu, POKR Poker Plat Res, NVS Novosibirsk.

2013 FEB

Table with columns for station ID, name, coordinates, and various data points. Includes stations like QIZ Qiongzong, PPLA Purkulie, CAST Castle Rocks, KDAK Kodiak Island, MLY Manley, KMI Kunming, SUA Susitna One, DGZ Jazזור, BRLL Bradley Lake, TRF Thorofare Moun, COLD Coldfoot, BWN Browne, RC01 Rabbit Creek A, RC01 Rabbit Creek B, TOLK Toolik Lake Re, TOLK Toolik Lake Re, DAV Davao City (W), DAV Davao City (W), ZAA1 Zalesovo Array, ZAA1 Zalesovo Array, ZAA0 Zalesovo Array, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, ZALV Zalesovo Beam, MCK McKinley, MCK McKinley, MCK McKinley, SEW Seward, SEW Seward, PMR Palmer, PMR Palmer, RND Reindeer, RND Reindeer, RND Reindeer, RND Reindeer, GHO Kidawaran, GHO Glory Hole Cre, MDM Murphy Dome, WRH Wood River Hill, WRH Wood River Hill, KNK Knik Glacier, SML Sawmill, SML Sawmill, SML Sawmill, SML Sawmill, COLA College, COLA College, COLA College, COLA College, CCB Clear Creek Bu, POKR Poker Plat Res, NVS Novosibirsk.

1294

Table with columns for station ID, name, coordinates, and various data points. Includes stations like NVS, NVS, DHY Denali Highway, HDA Harding Lake, HDA Harding Lake, ILAR Eielson Array, ILAR Eielson Array, ILB Eielson Array, ILB Eielson Array, ILI Eielson Array, SCM Sheep Creek Mo, SCM Sheep Creek Mo, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, WMQ Urumqi, PRP Porcupine Dome, PRP Porcupine Dome, FYU Fort Yukon, FYU Fort Yukon, KLU Klutina, KLU Klutina, ZSN Zaisan, ZSN Zaisan, ZSN Zaisan, ZSN Zaisan, DIV Divide, DIV Divide, EYAK Cordova Ski Ar, EYAK Cordova Ski Ar, RIDG Independe' s Rid, RIDG Independe' s Rid, HARP HAARP, HARP HAARP, SCRK Sand Creek, SCRK Sand Creek, DOT Dot Lake, DOT Dot Lake, MENT Mentasta, MENT Mentasta, HMT Hamilton, HMT Hamilton, EGAK Eagle, EGAK Eagle, MK31 Makanchi Array, MK31 Makanchi Array, MK32 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, SKNT Sakolnakorn, SKNT Sakolnakorn, DAWY Dawson, DAWY Dawson, MANU Manus Island, MANU Manus Island, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, KURK Kurchatov, LSA Lhasa, LSA Lhasa, LSA Lhasa, LSA Lhasa, LSA Lhasa, LSA Lhasa.









16d 22h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like ODD1, MTPU, MDND, GMRC, Q16A, ANN, ANNA, ANNA, ANNA, ANNA, LCMT, BCA, DBOC, K22A, DAGI, LDFC, DYDN, SRU, SENK, PFO, PFO, XPFO, KNB, BELC, CLDR, DBAD, 109C, RSWY, RSSD, RSSD, RSSD, BLS5, VMUR, NEE2, BAR, IRM, MONP2, TUTA, HOMI, BC3, O20A, W13A, KMY, TVAN, BANOM, BANOM, IKP, SWSC, SNART, ADCV, PDMCI, JLN, BIDO, GEVA, Y12C, AKDM, MDH, MDH, PV21, MSFE, PV23, SIM, SIM, SIM, SIM, PV10, PV14, N23A, N23A, BAYB, GLA.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like PV20, BSD, BSD, PV04, ECAT, PV19, PV17, PV16, PV11, CUKT, UOSS, UOSS, UOSS, PV05, PV12, PV07, GURO, PV03, ARMA, ARMA, PV13, PV02, HATD, COP, COP, ASHO, ASHO, PV01, SOHO, NAZ, WUAZ, WUAZ, Y14A, SMCO, BEL, BEL, SIRT, SIRT, SIRT, MUD, MUD, ERZN, GKP, SVAN, LRV, LRV, LRV, ISCO, ISCO, ASUD, KIS, KIS, KIS, KIS, KIS, RGN, RGN, RGN, ALNE, MVC0, MVC0, SUSD, X16A, IVI, IAS, MHTO, MHTO, RSDY, LEOM, LEOM, NRS, NRS, S22A, S22A, STKA, STKA, STKA, STKA, KVT, D1KM, W18A.

1298

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes entries like Q24A, MAZI, BIGH, EYMN, EYMN, TOKT, 214A, SVSK, OGNE, OGNE, BIR, BUR08, BUR04, BURAR, BZK, BIZ, OJC, OJC, OJC, OJC, TESR, PCR, TCLR, FORT, SDCO, SDCO, DQM, DQM, UZH, UZH, UZH, RUE, RUE, MCD, CFR, CFR, DARE, ODBI, NIE, NIE, URF, VRI, VRI, ECSD, ECSD, ECSD, BMR, PLO, PLO, TRPA, TRPA, ARCA, E38A, E38A, ILGA, C40A, MDO, OZUR, TUC, TUC, TIR, TIR, TIR, TIR, KSP, KSP, BBOO, BBOO, HARR, HARR, KAC, KSCO, KSCO, TLB, F3A, F3A, OKC, OKC, OKC, OKC, LANS, LANS, LANS, MFR, F38A, KPL, KPL, PGOR, BNN, BNN, MLR, MLR, MLR, MLR, ISR, ISR, ISR, SPMN, SPMN, SPMN, AMRR, AMRR, UPC, UPC, UPC, UPC, T25A, T25A.

DPC	baz=315	Dobruska-Polom	77.00 330	eP	P	22 29 20.6 +1.1
DPC				eS	AMS	22 29 24.8 +0.2
DPC	comp=Z,1um,17.4s			AMS		23 10 20.0
DPC	comp=Z,1um,17.4s	Dobruska-Polom	77.00 330	eP	P	22 29 20.6 +1.1
DPC				eS	MLR	22 29 04.8 +0.2
DPC				MLR		
MORC	comp=Z,1um,17.4s		77.02 329	eP	P	22 29 20.1 +0.5
MORC	comp=Z,80nm,1.0s			LR	LR	
MORC	comp=Z,1um,21.0s			LR	LR	
MORC	comp=Z,1um,21.0s	Moravsky Berou	77.02 329	iP	P	22 29 20.6 +1.0
MORC		Moravsky Berou	77.02 329	eP	P	22 29 20.1 +0.5
MORC				pmax	pmax	
MORC	comp=Z,80nm,1.0s			MLR	MLR	
MORC	comp=Z,1um,21.0s			MLR	MLR	
MORC	comp=Z,1um,21.0s	Moravsky Berou	77.02 329	eP	P	22 29 20.5 +1.0
MORC				eP	PcP	22 29 31.1 +0.7
CJR		Cluj-Napoca	77.03 324	iP	P	22 29 20.9 +1.2
CJR		Cluj-Napoca	77.03 324	eP	P	22 29 20.8 +1.1
KRLC		Kraliky	77.06 330	eP	P	22 29 20.8 +1.0
KRLC		Kraliky	77.06 330	eP	P	22 29 20.9 +1.0
E39A		Mellen	77.09 37	P	P	22 29 19.2 -0.7
ICOR	baz=321	Ion Corvin	77.14 320	iP	P	22 29 21.8 +1.5
LTVH		Ltavrtes, Hu	77.22 325	eP	P	22 29 21.1 +0.4
SECF			77.24 321	iP	P	22 29 21.2 +1.8
BGNE		Belgrade	77.27 44	eP	P	22 29 21.7 +0.6
BGNE	comp=Z,224nm,1.0s			P	P	22 29 19.8 -1.3
F39A	baz=318	Loretta	77.29 37	P	P	22 29 20.6 -0.5
KMRS	baz=322	Kahramanmaras	77.31 310	eP	P	22 29 22.1 +0.7
E40A		Wakefield	77.32 36	P	P	22 29 21.3 0.0
LEHL	baz=322	Lehlu	77.33 321	iP	P	22 29 22.7 +1.4
LAZ		Ladron	77.33 55	eP	P	22 29 22.5 +0.7
DRGR			77.35 324	iP	P	22 29 22.3 +0.8
ANMO		Albuquerque	77.35 54	eP	P	22 29 23.5 +1.0
ANMO	comp=Z,31nm,0.8s			P	P	22 29 22.6 +0.7
ANMO	comp=Z,2.8nm,0.7s, baz=303, slow=9.7, SNR=6.5			P	P	22 29 22.9 +1.0
CLL	Colim		77.37 332	eP	P	22 29 21.2 -0.2
CLL	comp=Z,134nm,0.8s			LR	LR	
CLL	comp=Z,1um,18.0s		77.37 332	iP	P	22 29 21.7 +0.3
CLL	comp=Z,135nm,0.8s			e(PcP)	PcP	22 29 29.0 -2.8
CLL				i(Pp)	PP	22 29 32.8 -1.2
CLL				eP	PP	22 32 12.0 -3.4
CLL				eS	S	22 29 07.0 -1.4
CLL				eSP	S Pn	22 29 44.0 -1.7
CLL				eSS	SS	22 44 36.0 +3.0
CLL				e		22 48 18.0
CLL	comp=N,600nm,19.7s			LmH		23 06 00.0
CLL	comp=E,900nm,18.8s			LmV		23 09 00.0
CLL	comp=N,700nm,21.1s			LmV		23 09 00.0
CLL	comp=E,400nm,18.6s			LmV		23 09 00.0
CLL	comp=Z,1um,18.5s		77.37 332	eP	P	22 29 21.2 -0.2
CLL				eS	S	22 29 32.8
CLL				eS	pmax	22 29 07.0 -1.4
CLL	comp=Z,135nm,0.8s			pmax	pmax	
CLL	comp=Z,1um,18.5s			MLR	MLR	
RASA		Rasa	77.37 320	iP	P	22 29 23.0 +1.5
VOIR			77.39 322	iP	P	22 29 22.7 +0.9
VOIR			77.39 322	P	P	22 29 22.7 +0.9
D41A	comp=Z,80nm,1.4s	Chassel	77.40 35	eP	P	22 29 22.0 +0.3
D41A	comp=Z,348nm,1.5s			P	P	22 29 21.4 -0.3
INVG	baz=322	Invergedie, C	77.41 344	iP	P	22 29 21.4 -0.1
BRG		Bergjiesshubel	77.41 332	iP	P	22 29 22.1 +0.4
BRG	comp=Z,50nm,0.2s			i PCP	pP	22 29 33.2 -1.1
BRG	comp=Z,167nm,2.9s			i PP	PP	22 32 07.7 -8.1
BRG	comp=Z,18nm,1.6s			S	SS	22 39 10.0 +1.1
BRG				SS	SS	22 44 08.0 +1.2
BRG	comp=N,929nm,14.3s			S	S	22 29 22.1 +0.4
BRG	comp=E,896nm,16.9s			S	S	22 29 33.2
BRG	comp=Z,1um,16.5s	Bergjiesshubel	77.41 332	iP	P	22 29 22.1 +0.4
BRG				eS	S	22 29 10.0 +1.1
BRG				SS	SS	22 44 08.0 +1.2
BRG	comp=Z,50nm,0.9s			pmax	pmax	
BRG	comp=N,929nm,14.3s			MLR	MLR	
BRG	comp=E,896nm,16.9s			MLR	MLR	
BRG	comp=Z,1um,16.5s			MLR	MLR	
SULR		Ridgeland	77.43 321	iP	P	22 29 23.1 +1.2
G38A			77.45 38	P	P	22 29 20.7 -1.3
BR10	baz=321	Keskin Array S	77.48 313	eP	P	22 29 23.1 +0.6
PVCC		Panska Ves	77.48 331	eP	P	22 29 23.1 +1.0
PVCC	comp=Z,1um,17.4s			AMS	AMS	23 10 20.0
PVCC	comp=Z,1um,17.4s	Panska Ves	77.48 331	eP	P	22 29 23.1 +1.0
PVCC				MLR	MLR	
BR131	comp=Z,1um,17.4s	Keskin Array S	77.48 313	eP	P	22 29 23.3 +0.8
BR131		Keskin Array S	77.48 313	P	P	22 29 23.2 +0.8
BR131	SNR=12			P	P	22 29 23.1 +0.6
BRTR		Keskin Array B	77.48 313	P	P	22 29 23.1 +0.6
BRTR	comp=Z,9.1nm,0.6s, baz=78, slow=3.3, SNR=50			LR	LR	
MTUR	comp=Z,1um,18.2s, baz=42, slow=4.1	Matau	77.55 322	iP	P	22 29 23.9 +1.2
MORW		Morawa	77.56 207	P	P	22 29 23.1 +0.5
VYHS	comp=Z,11nm,0.9s			P	P	22 29 23.7 +1.1
VYHS		Yyhne	77.57 328	eP	pmax	
VYHS	comp=Z,100nm,1.9s			pmax	pmax	
VYHS		Yyhne	77.57 328	eP	P	22 29 23.7 +1.1
ESY		Stoneypath	77.58 343	eP	P	22 29 23.0 +0.5
LENM		Lemitar	77.59 55	eP	P	22 29 26.4 +3.1
PSZ		Piszkesteto	77.62 327	eP	P	22 29 23.0 0.0
PSZ	comp=Z,58nm,0.9s			LR	LR	
PSZ	comp=Z,3um,20.0s	Piszkesteto	77.62 327	iP	P	22 29 24.0 +1.0
PSZ		Piszkesteto	77.62 327	eP	P	22 29 23.0 0.0
PSZ	comp=Z,58nm,0.9s			pmax	pmax	
PSZ	comp=Z,3um,20.0s			MLR	MLR	
PSZ	comp=Z,3um,20.0s	Piszkesteto	77.62 327	iP	P	22 29 24.0 +1.0
ARR		Arges	77.63 322	iP	P	22 29 24.7 +1.6
F40A		Park Falls	77.63 37	P	P	22 29 22.4 -0.6
H38A	baz=322	Maiden Rock	77.64 39	P	P	22 29 22.7 -0.4
G39A	baz=320	Holcombe	77.66 38	P	P	22 29 22.0 -1.2
KOLL	baz=321	Kolacno	77.67 328	eP	P	22 29 24.1 +0.9
KOLL				e		22 29 35.1
KOLL		Kolacno	77.67 328	eP	P	22 29 24.1 +0.9
KOLL				eP	pP	22 29 35.1 +0.7
EAB		Aberfoyle	77.69 344	eP	P	22 29 23.6 +0.4
E41A		Kenton	77.70 36	P	P	22 29 22.9 -0.5
VRAC		Vranov	77.76 329	iP	P	22 29 24.7 +1.1
VRAC		Vranov	77.76 329	P	P	22 29 24.5 +0.8
VRAC				pmax	pmax	

VRAC	comp=Z,103nm,1.4s	Vranov	77.76 329	eP	P	22 29 24.8 +1.1
VRAC				eP	pP	22 29 35.4 -0.9
BNM		Barren Site	77.81 54	eP	P	22 29 25.7 +1.2
EBL		Broad Law	77.81 343	iP	P	22 29 24.2 +0.4
ANTO		Ankara	77.82 314	eP	P	22 29 25.1 +0.8
ANTO		Ankara	77.82 314	eP	P	22 29 25.5 +1.2
ANTO	comp=Z,75nm,0.9s			LR	LR	
ANTO	comp=Z,2um,18.0s	Ankara	77.82 314	eP	P	22 29 25.5 +1.2
ANTO				pmax	pmax	
ANTO	comp=Z,2um,18.0s	Ankara	77.82 314	P	P	22 29 25.5 +1.2
ANTO	SNR=8.8			P	P	22 29 25.5 +1.2
EAU		Auchinoon	77.83 343	iP	P	22 29 24.1 +0.2
LAWL		Loch Awe, Argy	77.83 345	iP	P	22 29 24.2 +0.3
BR23		Keskin Mr Arra	77.85 314	eP	P	22 29 26.1 +1.6
SCHO		Schefferville	77.91 19	eP	P	22 29 24.7 +0.3
SCHO	comp=Z,60nm,1.1s			LR	LR	
SCHO	comp=Z,2um,20.0s		77.91 19	P	P	22 29 24.5 +0.1
SCHO	Schefferville		77.91 19	P	P	22 29 24.5 +0.1
SCHO	comp=Z,18nm,0.7s, baz=359, slow=6.6, SNR=39			LR	LR	23 05 47.9
SCHO	comp=Z,1um,21.0s, baz=339, slow=3.7			LR	LR	
COWI		Conover	77.92 36	eP	P	22 29 24.5 -0.1
GOPC		GO Pecny, Ondr	77.92 331	eP	P	22 29 24.9 +0.3
GOPC				AMS	AMS	23 09 20.0
GOPC	comp=Z,1um,17.0s			AMS	AMS	
GOPC		GO Pecny, Ondr	77.92 331	eP	P	22 29 24.9 +0.3
GOPC				MLR	MLR	
KOZT	comp=Z,1um,17.0s	Kozan	77.92 311	eP	P	22 29 24.1 -0.7
PRU		Fruhonice	77.94 331	eP	P	22 29 25.5 +0.8
PRU				eS	PcP	22 29 32.6 -1.7
PRU				eS	S	22 39 11.6 -3.0
PRU				AMS	AMS	23 10 10.0
PRU	comp=Z,1um,16.0s		77.94 331	eP	P	22 29 25.5 +0.8
PRU				eS	S	22 29 32.6
PRU				eS	MLR	22 39 11.6 -3.0
PRU				MLR	MLR	
LOT	comp=Z,1um,16.0s		77.95 323	iP	P	22 29 25.8 +0.9
YAYX		Yaylak	77.96 313	eP	P	22 29 25.7 +0.6
DEV		Deva	77.98 324	iP	P	22 29 26.2 +1.2
DEV		Deva	77.98 324	P	P	22 29 25.8 +0.8
DEV				pmax	pmax	
AFSR	comp=Z,50nm,1.5s	Afar-Bala (An)	77.99 314	eP	P	22 29 26.5 +1.3
PRD		Provadia	77.93 319	eP	P	22 29 25.5 +0.3
KRUC		Moravsky	78.04 329	P	P	22 29 25.8 +0.6
KRUC				pmax	pmax	
KRUC	comp=Z,104nm,1.3s		78.04 329	eP	P	22 29 26.1 +0.9
KRUC				eP	pP	22 29 36.8 -1.0
WIT		Witteveen	78.06 337	P	P	22 29 26.9 +1.7
PGBU		Glenfibrbraes	78.07 344	iP	Iamb	22 29 25.9 +0.7
PGBU				Iamb	Iamb	22 29 26.9
H39A	comp=Z,97nm,0.9s	Augusta	78.08 38	P	P	22 29 25.3 -0.3
SMOL		Smolenice	78.10 328	P	P	22 29 27.3 +1.7
SMOL	comp=Z,165nm,1.0s			pmax	pmax	
SMOL		Smolenice	78.10 328	eP	P	22 29 26.6 +1.0
G40A		Rib Lake	78.11 37	eP	P	22 29 25.6 -0.1
G40A	comp=Z,75nm,0.8s			P	P	22 29 24.9 -0.8
G40A	baz=322			P	P	22 29 24.9 -0.8
HUMR		Humele	78.12 322	iP	P	22 29 26.2 +0.4
319A		Douglas	78.13 58	eP	P	22 29 27.3 +1.1
E42A	comp=Z,91nm,0.9s	Champion	78.17 35	P	P	22 29 25.7 -0.3
TREC	baz=323	Trest	78.18 330	eP	P	22 29 26.3 +0.3
TREC				eS	S	22 29 16.4 -0.9
TREC				AMS	AMS	23 08 30.0
TREC	comp=Z,1um,16.6s		78.18 330	eP	P	22 29 26.3 +0.3
TREC				eS	S	22 29 16.4 -0.9
TREC				MLR	MLR	
MDUB	comp=Z,1um,16.6s	Mudurnu	78.20 315	eP	P	22 29 27.7 +1.3
SIRR		Siria	78.21 325	iP	P	22 29 27.4 +1.2
F41A		Three Lakes	78.22 36	P	P	22 29 26.1 -0.2
F41A	comp=Z,118nm,0.8s			P	P	22 29 26.2 -0.1
F41A		Three Lakes	78.22 36	P	P	22 29 26.2 -0.1
EKA	baz=322	Eskdalemuir Ar	78.24 343	P	P	22 29 26.2 0.0
121A		Cookes Peak, D	78.24 56	P	P	22 29 27.2 +0.3
ESK		Eskdalemuir	78.27 343	eP	P	22 29 26.9 +0.5
ESK	comp=Z,40nm,0.7s			iAmb	Iamb	22 29 26.7 +0.4
ESK		Eskdalemuir	78.27 343	iP	Iamb	22 29 27.3
ES						

16d 22h

Table with columns for race number, name, distance, time, and other details. Includes entries like F45A, WACR, KSU1, KCTX, etc.

2013 FEB

Table with columns for race number, name, distance, time, and other details. Includes entries like NWA0, VLD0, LFK, etc.

1300

Table with columns for race number, name, distance, time, and other details. Includes entries like KNT, TOBO, VAY, etc.





16d 22h

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like MBDP, VLS, WLS, Q48A, LAST, K55A, TCF, VLI, VLI, MMNY, X40A, M53A, U44A, S46A, ORIF, ALLY, ACSO, ACSO, R47A, ITM, ITM, ITM, T45A, T45A, N52A, IDI, IDI, SSB, SSB, SSB, SSB, V43A, P50A, Q49A, WCI, WCI, WCI, 435B, NCB, L55A, O51A, R48A, SAOF, SAOF, HIZ, HIZ, MFF, MFF, M54A, M54A, VT1, V44A, T46A, SBF, SBF, IMMV, IMMV, WLAR, N53A, S47A, VIVF, VIVF, CUC, CUC, U45A, O52A, O52A, P51A, P51A, N54A, N54A, PKME, R49A, M55A, Q50A, LBNH, LBNH, O53A, S48A, TAU, TAU, TIP, TIP, U46A.

2013 FEB

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like T47A, T47A, GVD, G51A, Q51A, P52A, ACCN, Z41A, V43A, V45A, MET, MET, FRF, FRF, 833A, R54A, R54A, PGF, PGF, S49A, R50A, T48A, NATX, NATX, HNH, BINY, BINY, O54A, WVT, WVT, WVT, WVT, WVL, U47A, CAF, CAF, N55A, W45A, V46A, P53A, BKZ, BKZ, R51A, Q52A, Y43A, LMN, LMN, T49A, T49A, U48A, S50A, V47A, O55A, LFF, LFF, P54A, OXF, OXF, W46A, R52A, SSPA, SSPA, KSPA, O56A, O56A, MCWV, MCWV, U49A, U49A, T50A, S51A, S51A, CEL, CEL, P55A, V48A, V48A, Q54A, Q54A, W47A, R53A, X46A, S52A, S52A, Q55A, T51A.

1302

Table with columns: Station, Frequency, Power, Modulation, and other technical details. Includes stations like N59A, N59A, U50A, U50A, V49A, W48A, W48A, HRV, HRV, X47A, X47A, S53A, S53A, P4G5, P4G5, MTLF, MTLF, R54A, R54A, WES, WES, ODNJ, ODNJ, T52A, T52A, GBN, GBN, BFZ, BFZ, W49A, W49A, U51A, U51A, SWET, SWET, TZTN, TZTN, THZ, THZ, V50A, V50A, R55A, R55A, X48A, X48A, X48A, X48A, MVL, MVL, T53A, T53A, PAL, PAL, 145A, 145A, VBMS, VBMS, U52A, U52A, V51A, V51A, V51A, V51A, W50A, W50A, W50A, W50A, S55A, S55A, X49A, X49A, T54A, T54A, Y48A, Y48A, CPCT, CPCT, TBI, TBI, V52A, V52A, V52A, V52A, W51A, W51A, U53A, U53A, TKL, TKL, TKL, TKL, TKL, TKL, DMY, DMY, DMY, DMY, M65A, M65A, X50B, X50B, CLB, CLB, CLB, CLB, BLA, BLA, BLA, BLA, BLA, BLA, Y49A, Y49A, Y49A, Y49A, 147A, 147A, 147A, 147A, SJP, SJP, SJP, SJP, ETSF, ETSF, W52A, W52A, X51A, X51A, X51A, X51A, V53A, V53A, V53A, V53A, Y50A, Y50A, CBN, CBN, R58B, R58B, LRAL, LRAL.







Mw=1.07z; 10: Mw=0.60z; 35: Best double couple: M6.7 20800x10^16 N17.1z; 187.00000z; 848.00000z; 1-65.00000z. NP2z=333.00000z; 647.00000z; 1-115.00000z. Principal axes: T 6.6000, P1g1.0000z, Azm260.0000z; N 1.2180, Plg18.0000z; Azm350.0000z; P -7.8150, Plg72.0000z; Azm168.0000z; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 16:22:43.42.0.3, 15.635z-0.07z; 13.19W; 0.06, h10km, n394, r1905/390, mb5.0/129, 32C-13D, Southern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Rows include stations like H10S2 ASCENSION HYDR 7.85 348, H10S3 ASCENSION HYDR 6.79 348, H10S1 ASCENSION HYDR 6.79 348, etc.

Table with columns: Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Rows include stations like VNA2 Neumayer-Watz, PCBR Castelo Branco, PAB San Pablo, etc.

Table with columns: Station Name, Az, Az2, Phase ID, Op, ISC, Time, Res, ISC. Rows include stations like KRUC Moravyky, KRUC Arges, KRUC Pruhonice, etc.





16d 23h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CHNS, WKG, WDLR, RLNB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like UCR, PLVR, GBS3, etc.

2013 FEB

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MOMM, BOAB, BOAB, etc.

KRNET 16 23:18:15.0:0.1, 42.53N:79.65E, h16km, mb2.2
SOME 16 23:18:15.4: 42.52N:79.62E, h15km
NMC 16 23:18:15.9:0.8, 42.58N:79.57E, h0km, mb3.0, mpv2.5,

Main table for 2013 FEB with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like UZB, UZB, UZB, etc.

1308

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like H1N3, H1N2, STKA, etc.

NIED 16 23:35:00, 32.80N:132.70E, h35km, Mw3.8 Best double
couple: M5.5900x1.014, 1.11x1.68, 0.00000, 0.37, 0.00000,
0.1, 0.00, 0.8, 0.0000, NP2=0.8, 0.0000, 1.3, 0.00, 0.0, 0.5,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JTO, UWA2, UKU, etc.

GII 16 23:37:50.4:0.0, 34.11N:35.57E, h3km, MD2.2/7
ISCJB 16 23:37:51.5:0.2, 34.17N:35.65E:0.08, h24km, 4km,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like BHL, BHL, HWQ, etc.

IDC 16 23:41:43.3:4.2, 42.31N:147.17E, h0km, mb3.3/5,
mb1.3, 4/6, mb1mx3.3/29, mbtmp3.3/6, ML3.0/1, Error

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SKHL, JMA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Yuzh-Kuril'sk, Tuman, Lagunnoye, Golovinno, etc.

MEX 16 23:58:40.5-1.2, 16.01N-98.09W, h10km, MD4.0, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Sufi-Kurgan, Manas, Karatay Array, etc.

UPP 17 00:20:34.5-0.5, 67.92N-20.27E, h0km, ML1.6, Explosion HEL 17 00:20:30.0, 67.87N-20.34E, h0km, ML1.4, Explosion, Sweden

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Kurravaara, Pajala, Harads, etc.

ISCJB 17 00:28:33.4-0.3, 59.19N-0.03-153.58W, 0.07, h114km, 4km, mb3.6/1, Error ellipse: s-maj=6.8km s-min=3.5km az=28.9

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Augustine Isla, Augustine Jueg, Augustine West, etc.

JAP 17 00:34:09.0, 24.39N-122.33E, h71km, ML3.7, B ISCJB 17 00:34:09.0, 24.41N-0.02-122.36E, 0.02, h70km, 3km, Error ellipse: s-maj=2.8km s-min=2.2km az=157.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Eosi, TWC, YJNG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Nioudou, Chiawan, Datong Townshi, etc.

17d 1h

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters for various stations.

2013 FEB

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters for various stations.

1310

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical parameters for various stations.









IDC 17 01:16:44.2-1.2, 38.28S:94.28W, h0km, mb4.1/9, mb1.4/9, mb1mx4.2/26, mbtmp4.1/9, MS4.1/16, Ms1.4/16, ms1mx4.0/28, Error ellipse: s-maj=37.5km s-min=23.0km az=2.0  
 NEIC 17 01:16:46.0-0.3, 38.09S:94.20W, h10km, mb4.8/27, Error ellipse: s-maj=10.0km s-min=6.0km az=30.0  
 ISCJB 17 01:16:47.3-0.6, 38.1S:01.194:1W, h10km, mb4.6/34, MS4.1/15, Error ellipse: s-maj=17.9km s-min=9.1km az=32.6  
 GCMT 17 01:16:48.0-0.3, 37.72S:03.93W, h0km, mb1.9km, 1km, MW5.0/78, Moment Tensor Solution. s23.c24: s78.c103; Duration: 0 Moment tensor: Scale 10<sup>19</sup>Nm; Mr=3.54; 24; Mw=0.25; 14; Ms=3.78; 18; M=2.71; 35; Mw=0.01; 09; Mw=0.01; 30; Best double couple: M4.42200x10<sup>16</sup> NP1: 206.00000, 652.00000, -129.00000; Principal axes: 334.00000, 652.00000, -129.00000; Azm270.00000; N 1.2780, P129.00000, Azm0.00000; P -5.0640, P161.00000; Azm180.00000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 17 01:16:49.5-0.6, 38.0S:01.194:1W, h10km, mb6.8, e1315/55, mb4.7/34, MS4.1/15, West Chile Rise

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
RPN	Rapa Nui	16.86	306	LR	01 25 21.6	
PLCA	Paso Flores	18.33	106	eP	01 21 02.8	+0.8
PEL	Peledue	19.57	83	eP	01 21 17.4	+0.4
GO09	Cerro Castillo	20.23	138	eP	01 21 22.2	-0.3
GO04	Tololo Observa	20.72	75	eP	01 21 28.7	+0.4
LCO	Las Campanas	21.37	72	eP	01 21 35.4	0.0
USHA	Ushuaia	24.15	142	LR	01 29 13.0	
LVC	Limon Verde	25.45	62	LR	01 30 13.0	
NNA	Nana	30.13	35	LR	01 31 47.5	
LPZA	La Paz	31.42	54	eP	01 23 11.1	+1.6
LPZA	La Paz	31.42	54	P	01 23 12.0	+2.5
LPZA	La Paz	31.42	54	LR	01 33 00.2	
CPUP	Villa Florida	32.97	80	P	01 23 21.9	-0.4
CPUP	Villa Florida	32.97	80	LR	01 35 21.0	
ATAH	Atahualpa	33.86	29	P	01 23 31.6	+1.1
ATAH	Atahualpa	33.86	29	LR	01 34 20.7	
ATAH	Atahualpa	33.86	29	P	01 23 52.9	+1.2
OTAV	Otavalo	34.29	24	eP	01 24 28.7	+0.1
BDFB	Brasilia	46.14	74	P	01 25 12.3	+0.1
BDFB	Brasilia	46.14	74	LR	01 43 41.8	
ROSC	El Rosal	46.41	28	LR	01 43 25.1	
TAOE	Nuku Hiva Isla	50.61	293	eLR	01 40 24.3	
PPT2	Papeete2	52.40	277	eS	01 33 28.8	+4.3
PPT2	Papeete2	52.40	277	LR	01 40 58.1	
PPT	Papeete	52.41	277	LR	01 41 41.4	
CCIG	Comitea	54.05	2	eP	01 26 11.1	-1.0
SNAA	Sananae	54.77	157	eP	01 26 17.0	+0.4
VNDA	Vanda	56.16	195	LR	01 45 39.1	
RAR	Rarotonga	58.45	267	LR	01 44 43.9	
TXAR	Lajitas Array	67.62	351	P	01 27 43.3	-0.8
TXAR	Lajitas Array	67.62	351	LR	01 52 24.0	
HKT	Hockley	67.65	358	eP	01 27 44.7	+0.6
WHXT	Lake Whitney	69.73	357	eP	01 27 56.1	-1.0
MSTX	Muleshoe	72.09	352	eP	01 28 11.3	-0.3
AMTX	Amarillo	72.89	353	eP	01 28 15.9	-0.3
SWET	Sewanee	73.26	7	eP	01 28 17.9	-0.5
LDFC	Landfair	75.33	342	eP	01 28 31.1	+0.6
T25A	Trinidad	75.41	351	eP	01 28 31.0	0.0
MVCO	Mesa Verde	76.05	348	eP	01 28 33.8	-0.9
WCI	Wyandotte Cave	76.22	6	eP	01 28 35.0	-0.4
SHPR	Sheep Range	76.70	343	eP	01 28 38.2	-0.2
SZCU	Shurtz Canyon	77.28	345	eP	01 28 42.2	+0.5
Q16A	Castle Valley	78.18	346	eP	01 28 47.0	+0.4
SRU	San Rafael Swe	78.25	347	eP	01 28 46.6	-0.4
NV01	Mina Array Sit	79.31	341	eP	01 28 52.4	-0.4
NVAR	Mina Array Bra	79.31	341	P	01 28 53.3	+0.4
NS4A	Moraine State	79.55	11	eP	01 28 53.7	-0.7
ECSD	EROS Data Cent	81.42	358	eP	01 29 03.6	-0.3
BW06	Boulder Array	81.65	348	eP	01 29 05.0	-0.4
PD31	Pinedale Array	81.65	348	eP	01 29 04.7	-0.7
PDAR	Pinedale Array	81.65	348	eP	01 29 04.9	-0.4
PDAR	Pinedale Array	81.65	348	P	01 29 05.2	-0.2
FXWY	Fox Creek	82.74	348	eP	01 29 10.7	-0.4
FLWY	Flagg Ranch	83.12	348	eP	01 29 13.5	+0.5
SADO	Sadowa	83.51	11	LR	02 01 17.8	
DZM	Mont Dzumac	83.81	247	eLR	01 55 30.6	
YHH	Holmes Hill	83.83	348	eP	01 29 17.1	+0.4
J08A	Circle Bar Ran	84.00	342	eP	01 29 17.6	+0.2
ULM	Lac du Bonnet	87.92	359	eP	01 29 35.1	-1.3
ULM	Lac du Bonnet	87.92	359	P	01 29 35.2	-1.2
FFC	Flin Flon	92.64	355	eP	01 29 57.6	-0.8
BOSA	Boson	92.70	130	LR	02 05 14.9	
DBIC	Dimbokro	93.40	84	LR	02 09 53.1	
USRK	Ussuriysk Ar	145.15	295	PKPbc	01 36 21.9	-2.1
NRK	Noril'sk	148.62	359	PKPbc	01 36 32.9	-0.2
KIRV	Kirov	148.74	37	PKPbc	01 36 32.9	-0.8
PALK	Pallekele	149.01	10	PKPbc	01 36 34.9	-1.0
PALK	Pallekele	149.01	10	PKPbc	01 36 33.6	-2.2
NJ2	Nanjing	152.53	267	PKPpdf	01 36 37.8	+1.2
NJ2	Nanjing	152.53	267	pmax		
HHC	Hu-ho-hao-te	160.07	286	eP	01 36 48.8	+2.4

HHC	comp=Z,7.0nm,1.1s	pmax	pmax			
SONA1	Songino Array	162.17	310	ePKPab	01 37 34.7	-0.7
SONM	Songino Array	162.18	310	PKPab	01 37 33.9	-1.5
LZH	Lanzhou	165.61	268	ePKP	01 36 52.5	+0.5
LZH	Lanzhou	165.61	268	pPKP	01 36 57.8	-1.4
LZH	Lanzhou	165.61	268	sPKP	01 36 59.6	
KURBS	Kurchatov Arra	166.34	20	PKP	01 36 50.4	-1.5
KURBS	Kurchatov Arra	166.34	20	PKPpdf		

IDC 17 01:22:36.4-1.7, 7.67S: 125.08E, h0km, mb3.6/1, mb1.3/3, mb1mx3.1/36, mbtmp3.2/3, ML3.2/2, Error ellipse: s-maj=203.8km s-min=30.3km az=60.0  
 DJA 17 01:22:44.5-2.6, 9.5S:7.12E, h10km, mb2.8km, M3.2/6, MLV3.2/6

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
SOEI	Soe	1.29	184	Op	01 23 09.3	+8.4
BATI	Baumata	1.87	202	P	01 23 12.3	+1.6
BATI	Baumata	1.87	202	S	01 23 30.4	-0.7
MMRI	Maugere	2.11	265	P	01 23 17.2	+2.4
EDFI	Ende, Fiores	2.65	284	P	01 23 22.4	+1.9
BASI	Baug, Sumba	4.12	245	P	01 23 38.0	-1.1
WRA	Warramunga Arr	14.95	141	Pn	01 26 12.6	-0.5
WRA	Warramunga Arr	14.95	141	Pn	01 28 49.1	-3.6
ASAR	Alice Springs	17.67	150	P	01 26 48.2	+5.1
ASAR	Alice Springs	17.67	150	S	01 29 58.5	-0.2
MKAR	Makanchi Array	66.53	330	P	01 33 26.1	+0.4

TAP 17 01:31:18.3, 24:33N:121:45E, h10km, ML2.0, B, Taiwan

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
NNSB	Datong	0.12	328	iP	01 31 22.3	-0.4
NNSB	Datong	0.12	328	iS	01 31 24.1	+0.6
ETLH	Xiulin Townshi	0.13	167	P	01 31 22.5	-0.3
ETLH	Xiulin Townshi	0.13	167	S	01 31 24.5	+0.9
NNS	Nan Shan	0.13	327	iP	01 31 22.5	-0.5
NNS	Nan Shan	0.13	327	iS	01 31 24.5	+0.7
NACB	Ninganchiao	0.20	140	P	01 31 24.0	-0.2
NACB	Ninganchiao	0.20	140	eS	01 31 26.9	+1.3
WHF	Hehuan Shan	0.25	223	P	01 31 24.6	-0.6
WHF	Hehuan Shan	0.25	223	S	01 31 28.1	+0.9
TWT	Tachien	0.26	253	eP	01 31 25.1	-0.2
TWT	Tachien	0.26	253	S	01 31 28.9	-0.9
NDT	Datong Townshi	0.28	12	eP	01 31 25.1	-0.4
NDT	Datong Townshi	0.28	12	S	01 31 29.6	-0.6
TDCB	Techi	0.28	254	eP	01 31 24.8	-0.7
TDCB	Techi	0.28	254	eS	01 31 29.5	-0.7
TWD	Chiawan	0.28	152	eP	01 31 25.2	-0.3
TWD	Chiawan	0.28	152	eS	01 31 29.8	-0.4
ENA	Nanau	0.28	70	eP	01 31 25.4	-0.1
ENA	Nanau	0.28	70	eS	01 31 29.2	-1.1
NANB	Nanau	0.29	70	eP	01 31 25.2	-0.4
NANB	Nanau	0.29	70	eS	01 31 29.7	-0.8
ENTT	Nicoudou	0.33	19	P	01 31 26.4	+0.1
ENTT	Nicoudou	0.33	19	S	01 31 30.9	-0.7
YHNB	Yeheng	0.34	349	P	01 31 26.9	+0.3
YHNB	Yeheng	0.34	349	eS	01 31 31.1	-1.1
CHGB	Renai	0.37	223	P	01 31 26.6	-0.5
CHGB	Renai	0.37	223	eS	01 31 33.2	+0.2
HWA	Hwailien	0.38	158	eP	01 31 27.0	-0.1
HWA	Hwailien	0.38	158	eS	01 31 33.0	-0.1
TWE	Neicheng	0.44	27	eP	01 31 28.7	+0.5
TWE	Neicheng	0.44	27	eS	01 31 35.1	+0.4
NWL	Wulai	0.45	6	eS	01 31 34.7	-0.5
OWD	Renai	0.45	214	eP	01 31 28.0	-0.4
OWD	Renai	0.45	214	eS	01 31 35.2	0.0
TWC	Suao	0.46	53	eP	01 31 28.4	-0.1
TWC	Suao	0.46	53	S	01 31 35.0	-0.4
WHP	Taichung City	0.46	264	eP	01 31 28.7	+0.1
WHP	Taichung City	0.46	264	eS	01 31 35.6	+0.1
LIOB	Emei	0.51	309	eP	01 31 29.5	+0.2
LIOB	Emei	0.51	309	eS	01 31 36.9	+0.2
NSTT	Nanjuang	0.51	306	eP	01 31 37.5	+0.7
ESL	Shilin	0.51	182	eP	01 31 29.4	-0.1
ESL	Shilin	0.51	182	eS	01 31 36.5	-0.5
VWDT	VWDT	0.64	206	eP	01 31 31.3	-0.3
VWDT	VWDT	0.64	206	eS	01 31 40.8	+0.2
PTSB	Yuanli	0.69	280	eP	01 31 32.4	0.0
PTSB	Yuanli	0.69	280	eS	01 31 42.5	+0.4

NIED 17 01:32:00.24:30N:121:40E, h8km, Mw4.4 Best double couple: M=5.06000x10<sup>15</sup> NP1: 179.00000, 631.00000, -1.61.00000; NP2: 325.00000, 863.00000, -1.107.00000

JMA 17 01:32:06.8-0.1, 24:33N:121:42E, h0km, M4.7, h6km, 1km, mb4.3/42, MS3.7/8, Error ellipse: s-maj=1.7km s-min=1.2km az=30.0  
 NEIC 17 01:32:07.0-0.6, 24:33N:121:45E, h7km, 4km, mb4.7/18,





AKTO	comp=Z,82nm,0.5s	17.08 329	U P	Pn	01 38 58.8	-1.2
AKTO	comp=Z,229nm,1.2s			Sn	01 42 03.1	-6.6
AKTO	comp=Z,102nm,1.1s	17.08 329	P	Pn	01 38 58.9	-1.2
AKTO	comp=Z,34nm,0.3s,baz=141,slow=7.4,SNR=245			S	01 42 01.1	-8.6
AKTO	comp=Z,1.6nm,0.3s,baz=170,slow=20,SNR=4.6			LR	01 45 47.6	
MDH	comp=Z,540nm,20.2s,baz=143,slow=37	17.15 234	P	Pn	01 38 59.0	-2.2
MSFE	comp=Z,17.21 234	17.16 234	P	Pn	01 39 00.8	-1.0
WSAR	comp=Z,17.21 234	17.21 224	P	P	01 39 03.5	+0.9
WSAR	comp=Z,17.21 224	17.27 224	P	Pn	01 39 01.6	-1.0
UOSS	comp=Z,2.4nm,0.3s,baz=69,slow=6.9,SNR=29	17.47 233	eP	P	01 39 04.5	-0.3
UOSS	comp=Z,35nm,0.8s	17.47 233	eP	P	01 39 04.7	-0.1
UOSS	comp=Z,17.47 233	17.47 233	eP	P	01 39 04.0	-0.8
DGZ	comp=Z,17.55 36ceP	17.55 36ceP	P	Pn	01 39 04.0	-1.7
HATD	comp=Z,17.60 233	17.60 233	iP	Pn	01 39 07.1	+0.5
BOK	comp=Z,17.62 132	17.62 132	eP	P	01 39 03.2	-3.2
BOK	comp=Z,128nm,1.0s			IAMB	01 39 05.5	
LSA	comp=Z,17.70 107	17.70 107	P	P	01 39 05.8	-1.9
LSA	comp=Z,23nm,1.2s			Pmax		
LSA	comp=Z,17.70 107	17.70 107	eP	P	01 39 06.5	-1.2
LSA	comp=Z,58nm,0.8s			eSn	01 42 12.8	-1.3
LSA	comp=Z,17.70 107	17.70 107	eP	P	01 39 06.6	-1.2
LSA	comp=Z,17.70 107	17.70 107	eP	P	01 39 06.5	-1.2
LSA	comp=Z,58nm,0.8s			ePmax	01 42 12.8	
JLN	comp=Z,17.73 220	17.73 220	P	P	01 39 07.7	+0.1
SMDO	comp=Z,17.74 225	17.74 225	P	Pn	01 39 09.2	+0.8
ASHO	comp=Z,17.75 233	17.75 233	iP	Pn	01 39 08.7	+0.4
ASHO	comp=Z,17.75 233	17.75 233	iP	Pn	01 39 08.7	+0.4
NAZ	comp=Z,17.80 235	17.80 235	iP	Pn	01 39 09.4	+0.7
SOHO	comp=Z,17.84 231	17.84 231	P	P	01 39 07.4	-1.4
SOHO	comp=Z,17.84 231	17.84 231	P	P	01 39 07.4	-1.4
POO	comp=Z,17.94 173	17.94 173	eP	IAMB	01 39 07.0	-3.0
FAQ	comp=Z,18.01 234	18.01 234	iP	Pn	01 39 11.2	-0.3
ASUD	comp=Z,18.26 234	18.26 234	iP	Pn	01 39 14.5	0.0
ALNE	comp=Z,18.39 232	18.39 232	iP	Pn	01 39 15.7	-0.4
BSY	comp=Z,18.48 226	18.48 226	P	Pn	01 39 19.0	+1.9
AJN	comp=Z,18.53 235	18.53 235	iP	P	01 39 16.5	+0.1
AJN	comp=Z,18.53 235	18.53 235	iP	P	01 39 17.0	+0.6
MHTO	comp=Z,19.45 221	19.45 221	P	Pn	01 39 28.7	+0.2
MAK	comp=Z,19.62 297	19.62 297	eP	P	01 39 28.1	0.0
MAK	comp=Z,19.62 297	19.62 297	eP	P	01 43 06.1	+1.9
MAK	comp=Z,67nm,0.7s			MLR		
ZAAO	comp=Z,19.79 24	19.79 24	eP	P	01 39 29.3	-0.5
ZAAO	comp=Z,19.79 24	19.79 24	iP	P	01 39 29.5	-0.3
ZALV	comp=Z,19.79 24	19.79 24	eP	P	01 39 29.1	-0.7
ZALV	comp=Z,19.79 24	19.79 24	eP	P	01 43 10.2	+2.7
ZALV	comp=Z,19.79 24	19.79 24	eP	P	01 39 29.6	-0.2
ZALV	comp=Z,2.1nm,0.3s,baz=191,slow=29,SNR=291			S	01 43 10.2	+2.7
ZALV	comp=Z,0.3nm,0.3s,baz=191,slow=29,SNR=3.3			LR	01 48 01.4	
HYB	comp=Z,19.91 160	19.91 160	iP	P	01 39 32.0	+0.5
HYB	comp=Z,19.91 160	19.91 160	iP	P	01 40 03.0	+0.1
HYB	comp=Z,19.91 160	19.91 160	iP	P	01 43 06.0	-4.6
HYB	comp=Z,19.91 160	19.91 160	iP	P	01 39 31.9	+0.3
HYB	comp=Z,19.91 160	19.91 160	iP	P	01 39 34.3	
NVS	comp=Z,20.08 20	20.08 20	iP	P	01 39 33.4	+0.4
NVS	comp=Z,20.08 20	20.08 20	iP	P	01 39 36.7	-0.7
SHL	comp=Z,20.45 116	20.45 116	eP	Pmax	01 39 36.7	-0.7
SHL	comp=Z,20.45 116	20.45 116	eP	Pmax	01 39 36.7	-0.7
SHL	comp=Z,20.45 116	20.45 116	eP	P	01 39 36.1	-1.3
SHL	comp=Z,20.45 116	20.45 116	eP	P	01 43 08.4	
TEZP	comp=Z,20.52 112	20.52 112	eP	IAMB	01 39 37.5	-0.4
TEZP	comp=Z,20.52 112	20.52 112	eP	IAMB	01 39 39.0	
DQM	comp=Z,20.54 221	20.54 221	P	P	01 39 39.5	+1.3
ZIRO	comp=Z,20.82 109	20.82 109	eP	P	01 39 41.8	+0.3
GROC	comp=Z,20.89 297	20.89 297	eS	P	01 43 42.4	+0.6
GROC	comp=Z,20.89 297	20.89 297	eS	P	01 43 30.0	+0.6
GROC	comp=Z,20.89 297	20.89 297	eS	P	01 43 49.2	
GROC	comp=Z,20.89 297	20.89 297	eS	P	01 43 59.0	-3.0
GOA	comp=Z,20.95 174	20.95 174	eP	P	01 39 42.2	-0.4
VIS	comp=Z,21.33 148	21.33 148	iP	P	01 39 46.8	+0.1
GNI	comp=Z,21.37 288	21.37 288	eP	P	01 39 49.8	+2.6
GNI	comp=Z,21.37 288	21.37 288	eP	P	01 43 44.7	+5.5
GNI	comp=Z,21.37 288	21.37 288	eP	P	01 39 47.8	+0.6
GNI	comp=Z,21.37 288	21.37 288	eP	P	01 39 50.3	+3.1
GNI	comp=Z,21.37 288	21.37 288	eP	P	01 39 50.3	+3.1
GNI	comp=Z,21.37 288	21.37 288	eP	P	01 39 50.4	+3.1
GNI	comp=Z,21.37 288	21.37 288	eP	P	01 39 49.3	+2.1
GNI	comp=Z,21.37 288	21.37 288	eP	P	01 43 44.7	+5.5
BTNK	comp=Z,21.42 292	21.42 292	iP	P	01 39 50.9	+3.3
TBLG	comp=Z,21.47 292	21.47 292	eP	P	01 39 49.4	+1.3
TBLG	comp=Z,21.47 292	21.47 292	eP	P	01 39 49.4	+1.3
TBLG	comp=Z,21.47 292	21.47 292	eP	P	01 39 52.0	+3.9
TBLG	comp=Z,21.47 292	21.47 292	eP	P	01 39 52.0	+3.9
BELO	comp=Z,21.60 122	21.60 122	eP	P	01 39 50.9	+1.3
SVE	comp=Z,21.70 344	21.70 344	iP	P	01 39 50.8	+0.3
SVE	comp=Z,21.70 344	21.70 344	iP	P	01 43 41.1	-3.7
SVE	comp=Z,21.70 344	21.70 344	iP	P	01 43 41.1	-3.7
SVE	comp=Z,21.70 344	21.70 344	iP	P	01 43 41.1	-3.7
ARU	comp=Z,21.86 340	21.86 340	eP	P	01 39 52.0	0.0
ARU	comp=Z,21.86 340	21.86 340	eP	P	01 39 51.8	-0.2
ARU	comp=Z,21.86 340	21.86 340	eP	P	01 40 22.2	
ARU	comp=Z,21.86 340	21.86 340	eP	P	01 43 47.6	-0.2
ARU	comp=Z,21.86 340	21.86 340	eP	P	01 44 24.8	+3.2
IGDI	comp=Z,21.88 287	21.88 287	iP	P	01 39 56.3	+3.8
IGDI	comp=Z,21.88 287	21.88 287	iP	P	01 39 56.3	+3.8
MOKO	comp=Z,21.96 111	21.96 111	eP	P	01 39 53.7	+0.1
KOHI	comp=Z,21.99 113	21.99 113	eP	P	01 39 54.6	+0.7
CLDR	comp=Z,22.01 285	22.01 285	iP	P	01 39 58.7	+4.6
CLDR	comp=Z,22.01 285	22.01 285	iP	P	01 39 58.7	+4.6
BRDH	comp=Z,22.12 123	22.12 123	P	P	01 39 55.6	+0.5
BRDH	comp=Z,22.12 123	22.12 123	P	P	01 39 55.6	+0.5

BRDH	comp=Z,243nm,0.9s,baz=23,slow=4.3,SNR=2.9			pP	01 40 15.8	+0.9
BRDH	comp=Z,243nm,0.9s,baz=23,slow=4.3,SNR=2.9			S	01 43 56.7	+3.7
ZEI	comp=Z,260nm,0.3s,baz=20,slow=22,SNR=5.5	22.20 295	eP	Pmax	01 39 57.2	+1.1
ZEI	comp=Z,260nm,0.3s,baz=20,slow=22,SNR=5.5	22.20 295	eP	Pmax	01 39 57.2	+1.1
EAK	comp=Z,256nm,0.9s	22.25 290	iP	P	01 40 00.1	+3.6
EAK	comp=Z,256nm,0.9s	22.25 290	iP	P	01 40 00.1	+3.6
VMUR	comp=Z,273nm,0.7s	22.28 285	iP	P	01 40 02.2	+5.3
VMUR	comp=Z,273nm,0.7s	22.28 285	iP	P	01 40 02.2	+5.3
GTA	comp=Z,22.43 74	22.43 74	iP	P	01 39 59.0	+0.6
GTA	comp=Z,22.43 74	22.43 74	iP	P	01 40 20.3	+2.1
GTA	comp=Z,22.43 74	22.43 74	iP	P	01 40 32.3	+1.8
GTA	comp=Z,22.43 74	22.43 74	iP	P	01 43 57.3	-0.9
GTA	comp=Z,17nm,1.3s			Pmax		
GTA	comp=Z,420nm,7.5s			Pmax		
GTA	comp=Z,660nm,11.4s			LR		
GTA	comp=Z,320nm,11.4s			LR		
GTA	comp=Z,240nm,12.1s			LR		
NCK	comp=Z,22.52 297	22.52 297	iP	P	01 39 59.8	+0.6
NCK	comp=Z,22.52 297	22.52 297	iP	P	01 39 59.8	+0.6
KARS	comp=Z,21.44nm,0.9s	22.65 289	eP	P	01 40 02.5	+1.8
KARS	comp=Z,21.44nm,0.9s	22.65 289	eP	P	01 40 02.5	+1.8
KARS	comp=Z,21.44nm,0.9s	22.65 289	eP	P	01 40 02.5	+1.8
KARS	comp=Z,21.44nm,0.9s	22.65 289	eP	P	01 40 02.5	+1.8
TUTA	comp=Z,22.86 286	22.86 286	iP	P	01 40 07.1	+4.2
TUTA	comp=Z,22.86 286	22.86 286	iP	P	01 40 07.1	+4.2
PYA1	comp=Z,22.97 298	22.97 298	iP	P	01 40 04.2	+0.5
PYA1	comp=Z,22.97 298	22.97 298	iP	P	01 40 04.2	+0.5
PYA1	comp=Z,3.0nm,1.0s	23.06 297	P	P	01 40 04.9	+0.4
PYA1	comp=Z,3.0nm,1.0s	23.06 297	P	P	01 40 04.9	+0.4
KBZ	comp=Z,23.06 297	23.06 297	P	P	01 44 11.6	+3.7
KBZ	comp=Z,23.06 297	23.06 297	P	P	01 44 11.6	+3.7
KBZ	comp=Z,4.6nm,1.1s,baz=212,slow=14,SNR=1.5			LR	01 51 39.4	
KBZ	comp=Z,4.6nm,1.1s,baz=212,slow=14,SNR=1.5			LR	01 51 39.4	
NEY	comp=Z,23.12 296	23.12 296	eP	Pmax	01 40 07.8	+2.5
NEY	comp=Z,23.12 296	23.12 296	eP	Pmax	01 40 07.8	+2.5
SAIH	comp=Z,23.17 121	23.17 121	eP	P	01 40 06.3	+0.4
SAIH	comp=Z,23.17 121	23.17 121	eP	P	01 40 07.1	+0.7
SHAI	comp=Z,23.23 297	23.23 297	iP	P	01 40 08.5	+2.2
SHAI	comp=Z,23.23 297	23.23 297	iP	P	01 40 08.5	+2.2
KVAR	comp=Z,23.24 298	23.24 298	eP	P	01 44 19.6	+8.6
KVAR	comp=Z,23.24 298	23.24 298	eP	P	01 44 19.6	+8.6
KVAR	comp=Z,8.0nm,0.8s,baz=345,slow=3.1,SNR=2.5			LR	01 51 30.8	
KVAR	comp=Z,8.0nm,0.8s,baz=345,slow=3.					

17d 1h

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like KIS Kishinev, AKASG Malin Array Be, and many others.

2013 FEB

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like LUZH FIA1, FINES FINESS Array S, and many others.

1318

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like KTGM Kuala Trengganu, BSD Bornholm Skovb, and many others.

Table with columns for station name, frequency, power, and other technical details. Includes stations like NC405, NC602, NORSAR Array S, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KMBO, KMB0, Kilima Mbogo, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like MVO, TTSI, PETK, etc.



17d 1h

LIC	comp=Z,23nm,1.4s Lamto	75.57 267	eP	P	01 46 36.5	-5.5
EGAK	comp=Z,7.0nm,1.5s Eagle	75.90 14	eP	P	01 46 43.3	+0.4
SCRK	comp=Z,8.4nm,1.1s Sand Creek	76.04 15	eP	P	01 46 44.4	+0.4
DHY	comp=Z,1.9nm,1.2s Denali Highway	76.06 17	eP	P	01 46 44.3	+0.1
RIDG	comp=Z,8.1nm,0.6s Independ Rld	76.06 16	eP	P	01 46 43.7	-0.4
DOT	comp=Z,2.0nm,1.3s Dot Lake	76.31 16	eP	P	01 46 45.0	-0.5
SUA	comp=Z,4.9nm,1.0s Susitna On	76.57 19	eP	P	01 46 47.2	+0.1
PAX	comp=Z,7.3nm,0.9s Paxson	76.59 16	eP	P	01 46 46.2	-0.9
PAX	comp=Z,12nm,1.1s Paxson	76.59 16	eP	P	01 46 46.2	-0.9
GHO	comp=Z,12nm,1.1s Glory Hole Cre	76.78 18	eP	P	01 46 47.6	-0.6
DAWY	comp=Z,15nm,1.1s Dawson	76.88 13	eP	P	01 46 48.7	0.0
SML	comp=Z,1.5nm,1.1s Sawmill	76.90 18	eP	P	01 46 48.9	0.0
SML	comp=Z,1.6nm,0.8s Sawmill	76.90 18	eP	P	01 46 48.9	0.0
MENT	comp=Z,1.7nm,0.8s Mentasta	77.01 16	eP	P	01 46 49.6	+0.1
SCM	comp=Z,1.0nm,1.4s Sheep Creek Mo	77.13 18	eP	P	01 46 49.7	-0.5
SCM	comp=Z,1.5nm,1.1s Sheep Creek Mo	77.13 18	eP	P	01 46 49.7	-0.5
RC01	comp=Z,1.5nm,1.1s Rabbit Creek A	77.15 19	eP	P	01 46 50.4	+0.2
HARP	comp=Z,7.2nm,1.0s HAARP	77.16 17	eP	P	01 46 50.7	+0.4
KNK	comp=Z,3.7nm,0.9s Knik Glacier	77.21 19	eP	P	01 46 50.9	+0.4
MORW	comp=Z,3.7nm,0.8s Morawa	77.39 141	eP	P	01 46 52.0	+0.1
MORW	comp=Z,2.8nm,0.8s Morwa	77.39 141	eP	P	01 46 52.0	+0.1
KLU	comp=Z,1.3nm,1.1s Klutina	77.77 17	eP	P	01 47 19.6	+1.9
BOSA	comp=Z,1.3nm,1.1s Boshof	78.00 221	iP	P	01 46 55.3	-0.1
BOSA	comp=Z,6.6nm,0.8s Boshof	78.00 221	eP	P	01 46 55.8	+0.4
BOSA	comp=Z,6.6nm,0.8s Boshof	78.00 221	eP	P	01 47 23.0	+1.6
BOSA	comp=Z,6.6nm,0.8s Boshof	78.00 221	eP	P	01 47 23.0	+1.6
BOSA	comp=Z,7.0nm,0.8s Boshof	78.00 221	eP	P	01 46 54.2	-1.3
BOSA	comp=Z,5.8nm,0.7s,baz=47,slow=3,SNR=14	78.00 221	eP	P	01 47 20.0	-1.4
SEW	comp=Z,1.1nm,0.9s,baz=25,slow=4,1,SNR=5.1	78.06 20	eP	P	01 46 55.8	+0.6
KDAK	comp=Z,2.2nm,1.4s Kodiak Island	79.08 22	iP	P	01 47 01.1	+0.2
KDAK	comp=Z,2.2nm,1.4s Kodiak Island	79.08 22	iP	P	01 47 00.8	-0.1
HWA	comp=Z,1.3nm,0.8s,baz=222,slow=16,SNR=9.7	80.21 14	eP	P	01 47 07.2	+0.1
NWAO	comp=Z,1.7nm,1.0s Narrogin (SRO)	81.12 143	eP	P	01 47 11.8	-0.3
NWAO	comp=Z,1.7nm,1.0s Narrogin (SRO)	81.12 143	eP	P	01 47 11.8	-0.3
NWAO	comp=Z,1.7nm,1.0s Narrogin (SRO)	81.12 143	eP	P	01 47 11.4	-0.7
YKW3	comp=Z,1.5nm,0.6s,baz=153,slow=5,1,SNR=6.7	81.23 3	eP	P	01 47 11.5	-0.8
YKA	comp=Z,1.0nm,0.7s Yellowknife Ar	81.29 3	eP	P	01 47 12.7	0.0
YKA	comp=Z,9.8nm,0.7s,baz=349,slow=5,4,SNR=148	81.29 3	eP	P	01 47 38.3	-0.3
YKA	comp=Z,3.3nm,0.6s,baz=347,slow=5,3,SNR=6.6	81.29 3	eP	P	02 05 44.2	-2.7
YKBS	comp=Z,0.1nm,0.5s,baz=169,slow=2,1,SNR=4.6	81.29 3	eP	P	01 47 12.1	-0.6
WRA	comp=Z,9.9nm,0.6s,baz=325,slow=5,0,SNR=192	81.55 122	eP	P	01 47 39.9	-1.1
WRA	comp=Z,6.6nm,0.8s,baz=323,slow=4,7,SNR=5.5	81.55 122	eP	P	02 05 45.6	-1.2
WRA	comp=Z,0.1nm,0.3s,baz=228,slow=1,1,SNR=6.3	81.55 122	eP	P	01 47 14.1	-0.5
WRAB	comp=Z,9.8nm,0.3s Tennant Creek	81.55 122	eP	P	01 47 14.0	-0.7
WRAB	comp=Z,9.8nm,0.3s Tennant Creek	81.55 122	eP	P	01 47 40.8	-0.1
WRAB	comp=Z,1.4nm,0.9s Warramunga Arr	81.56 122	eP	P	01 47 14.2	-0.5
SCHO	comp=Z,2.8nm,1.0s Schefferville	82.35 337	eP	P	01 47 19.1	+0.7
SCHO	comp=Z,3.2nm,0.5s Schefferville	82.35 337	eP	P	01 47 19.0	+0.6
SCHO	comp=Z,2.8nm,0.4s,baz=27,slow=4,1,SNR=30	82.35 337	eP	P	02 22 22.3	
DLBC	comp=Z,1.35nm,21.8s,baz=328,slow=34	83.77 11	eP	P	01 47 26.2	+0.4
DLBC	comp=Z,4.8nm,0.8s,baz=90,slow=3,9,SNR=8.5	83.77 11	eP	P	01 47 53.5	+1.8
AS31	comp=Z,4.1nm,0.8s,baz=359,slow=2,2,SNR=3.7	83.82 125	eP	P	01 47 26.1	-0.3
AS31	comp=Z,3.0nm,0.6s Alice Springs	83.82 125	eP	P	01 47 52.4	-0.4
ASAR	comp=Z,1.0nm,0.8s,baz=309,slow=5,1,SNR=98	83.85 125	eP	P	01 47 52.1	-0.6
AS01	comp=Z,9.5nm,1.0s,baz=322,slow=5,1,SNR=7.3	83.85 125	eP	P	01 47 25.7	-0.8
FCC	comp=Z,1.1nm,1.0s Fort Churchill	84.41 353	eP	P	01 47 51.7	-1.2
FCC	comp=Z,1.1nm,1.0s Fort Churchill	84.41 353	eP	P	01 47 28.8	-0.1
FFC	comp=Z,1.1nm,1.0s Flin Flon	89.04 356	eP	P	01 47 51.7	+0.2
FFC	comp=Z,1.3nm,0.9s Flin Flon	89.04 356	eP	P	01 47 52.0	+0.5
CTA	comp=Z,1.3nm,0.9s,baz=295,slow=7,5,SNR=7.9	90.08 115	eP	P	01 47 56.6	-0.2
CTA	comp=Z,1.1nm,1.0s,baz=284,slow=7,2,SNR=4.3	90.08 115	eP	P	01 47 56.2	-0.6
CTAO	comp=Z,1.1nm,1.0s,baz=284,slow=7,2,SNR=4.3	90.08 115	eP	P	01 47 56.2	-0.6
ULM	comp=Z,4.1nm,0.8s,baz=18,slow=4,3,SNR=7.8	92.99 352	eP	P	01 48 09.3	-0.6
ULM	comp=Z,2.5nm,0.8s,baz=355,slow=4,9,SNR=3.7	95.33 6	eP	P	01 48 36.9	+0.7
NEW	comp=Z,1.5nm,0.7s Newport	95.33 6	eP	P	01 48 20.5	-0.2
NEW	comp=Z,2.0nm,0.9s,baz=32,slow=3,2,SNR=4.1	95.33 6	eP	P	01 48 21.0	+0.3
EGMT	comp=Z,5.7nm,1.0s Eagleman	95.92 1	eP	P	01 48 24.1	+0.7
LAO	comp=Z,1.6nm,1.5s LASA Array	134.69 268	eP	Pdf	01 48 29.9	+0.5
CPUP	comp=Z,0.6nm,0.5s,baz=52,slow=2,1,SNR=4.6	97.59 272	eP	PKP	01 54 15.7	-1.1
CPUP	comp=Z,0.6nm,0.5s,baz=52,slow=2,1,SNR=4.6	97.59 272	eP	PKP	01 54 43.7	-0.8
LCO	comp=Z,1.8nm,0.8s,baz=81,slow=3,6,SNR=2.7	147.58 272	eP	PKP	01 54 40.5	-0.6
LCO	comp=Z,1.8nm,0.8s,baz=81,slow=3,6,SNR=2.7	147.58 272	eP	PKP	01 54 40.5	-0.6
GO06	comp=Z,1.8nm,0.8s,baz=81,slow=3,6,SNR=2.7	150.86 252	eP	PKP	01 54 48.4	-0.4

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WHF	baz=137 Hehuan Shan	0.24 223	↑P	Pg	01 37 11.4	+0.6
WHF	baz=220 Tachien	0.25 255	↑P	Pg	01 37 14.8	+0.8
TWT	baz=244 Techi	0.27 256	↑P	Pg	01 37 12.1	+0.9
TDCB	baz=245 Chiewan	0.28 150	↑P	Pg	01 37 12.3	+0.9
TWD	baz=149 Datong Townshi	0.29 13	↑P	Pg	01 37 16.2	+1.3
NDT	baz=13 Nanau	0.29 68	↑P	Pg	01 37 11.9	+0.3
ENA	baz=70 Nanau	0.30 69	↑P	Pg	01 37 11.9	+0.1
NANB	baz=70 Nioudou	0.34 19	↑P	Pg	01 37 13.1	+0.6
ENTT	baz=13 Yeheng	0.35 350	↑P	Pg	01 37 17.4	+0.4
YHNB	baz=351 Renai	0.36 224	↑P	Pg	01 37 13.7	+0.9
CHGB	baz=222 Sanguang	0.36 348	↑P	Pg	01 37 17.9	+0.9
NSK	baz=349 Hwalien	0.37 157	eP	Pb	01 37 14.3	-0.6
HWA	baz=145 Renai	0.44 214	↑P	Pg	01 37 14.8	+0.3
OWD	baz=212 Shoufeng	0.44 161	eP	Pb	01 37 15.3	-0.7
ENLB	baz=149 Neicheng	0.45 27	↑P	Pg	01 37 15.2	+0.6
TWE	baz=41 Taichung City	0.46 265	↑P	Pg	01 37 22.2	-1.0
WHP	baz=263 Wulai	0.46 7	↑P	Pg	01 37 15.6	+0.8
NWLT	baz=8.0 Yuanshan	0.47 22	eP	Pg	01 37 15.6	+0.7
SLWB	baz=23 Suo	0.47 52	↑P	Pg	01 37 15.1	+0.1
TWE	baz=55 Shiin	0.50 181	↑P	Pg	01 37 16.3	+0.7
LIOB	baz=169 Em	0.51 310	↑P	Pb	01 37 16.7	-0.5
LIOB	baz=309 Nanjuang	0.51 308	↑P	Pb	01 37 17.2	-0.1
NSST	baz=307 ilan	0.52 32	↑P	Pg	01 37 16.6	+0.6
ILA	baz=44 Daxi	0.56 342	eP	Pb	01 37 24.0	+1.1
WLTB	baz=343 Liyutan	0.61 273	↑P	Pb	01 37 18.4	+0.4
TWQ1	baz=271 Hsinchu	0.63 319	↑P	Pb	01 37 21.0	-0.2
SBCB	baz=318 WVDT	0.63 206	eP	Sb	01 37 18.2	+0.2
NSY	baz=277 Sanyi	0.63 279	↑P	Pg	01 37 20.3	+1.0
NSY	baz=277 Miaoili	0.63 290	eP	Pb	01 37 28.4	0.0
NMLH	baz=288 Toucheng	0.64 33	eP	Pg	01 37 20.1	+0.7
NTC	baz=320 Hsinchu	0.65 318	eP	Pg	01 37 18.3	+0.1
NSH	baz=19 Xindian Distri	0.65 7	eP	Pb	01 37 20.6	+1.0
NHHD	baz=19 Guangfu	0.65 181	eP	Pg	01 37 19.4	-0.2
EGFH	baz=182 Taipei	0.65 4	eP	Sb	01 37 27.6	+0.8
TATO	baz=16 Sun Moon Lake	0.66 229	↑P	Pb	01 37 18.4	0.0
SMLT	baz=228 EOST	0.67 70	↑P	Pg	01 37 27.9	+0.8
EOST	baz=59 MUCHA	0.67 11	↑P	Pb	01 37 19.6	-0.3
TWA	baz=13 Yuchr	0.68 232	↑P	Pb	01 37 19.8	-0.4
TYC	baz=221 Yuanli	0.69 281	eP	Pg	01 37 28.4	+0.7
PTSB	baz=279 Zhongli	0.69 340	eP	Pb	01 37 21.6	-0.5
NCUH	baz=338 EGS	0.69 40	↑P	Pg	01 37 31.6	-1.5
EGS	baz=43 National Center	0.69 340	eP	Pg	01 37 20.8	+0.5
NCU	baz=339 Suanglung	0.69 220	↑P	Pg	01 37 19.5	+0.2
SSLB	baz=219 Taipei	0.72 6	eP	Pg	01 37 19.5	+0.2
TAP1	baz=16 Taichung	0.72 256	↑P	Pn	01 37 29.3	+0.2
WDJ	baz=255 Dajia District	0.73 272	↑P	Pn	01 37 22.0	-0.6
TIPB	baz=16 Shuangxi	0.74 28	↑P	Pg	01 37 22.7	-0.1
TIPB	baz=16 Kuanyinshan	0.78 358	eP	Pn	01 37 20.4	+0.3
TWS1	baz=8.0 Wu-fen Shan	0.81 22	↑P	Pb	01 37 29.3	-0.4
NWF	baz=22 Wu-fen Shan	0.81 22	↑P	Pb	01 37 22.1	-0.3
NWF	baz=22 Wu-fen Shan	0.81 22	↑P	Pb	01 37 33.0	-0.6
WFSB	baz=22 Wu-fen Shan	0.81 22	↑P	Pb	01 37 22.1	-0.3
WFSB	baz=22 Wu-fen Shan	0.81 22	↑P	Pb	01 37 32.4	+0.4

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EHY	baz=160 Zhushan	0.82 188	eP	Pg	01 37 11.4	+0.6
WJS	baz=225 Minjian	0.82 233	eP	Pb	01 37 14.8	+0.8
WNT	baz=211 Xinyi Township	0.82 221	↑P	Pn	01 37 22.0	-0.9
WHYT	baz=221 Ruisui	0.82 181	↑P	Pg	01 37 21.9	+0.2
HGSD	baz=189 YMO1	0.83 8	↑P	Pb	01 37 22.7	+0.1
YMO1	baz=10.0 YMO1	0.83 8	↑P	Pb	01 37 23.3	+0.5
YMO1	baz=10.0 YMO4	0.83 6	eP	Sg	01 37 33.1	+0.4
YMO4	baz=22 Danhui	0.84 0	eP	Pb	01 37 23.2	+0.4



17d 3h

Table with columns: ETOB, ELOB, ELOB, comp=N, 0.7nm, 0.1s, SNR=14, Sn, Sn, 02 29 04.5 -6.2, 02 27 51.0 +1.2, 02 29 17.9 -2.9

SOME 17 02:32:57.8, 42°60'N, 79°67'E, h10km
KRNFT 17 02:32:57.7, 41.1, 42°60'N, 79°63'E, h14km, mb2.2
NWC 17 02:32:58.9, 1.1, 42°64'N, 79°64'E, h0km, mb2.8, mpv2.0

Main table for 17d 3h section, columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC

IDC 17 02:37:03.2, 11.0, 13°55'S, 173°58'E, h572km, 136km,
mb2.8/6, mb1 3.1/6, mb1mx2.9/21, mbtmp3.7/6, Error
ellipse: s-maj=83.3km s-min=51.5km az=149.0, Fiji
Islands region

Table for IDC 17 02:37:03.2, columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC

IDC 17 02:41:16.9, 3.8, 15°54'S, 12°68'W, h0km, mb3.8/7,
mb1 4.0/7, mb1mx3.7/24, mbtmp3.7/7, MS4.0/8, Ms1 4.0/8,
ms1mx3.7/40, Error ellipse: s-maj=178.1km
s-min=29.0km az=141.0, Southern Mid-Atlantic Ridge

Main table for IDC 17 02:41:16.9, columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC

KRNFT 17 02:45:37.8, 0.1, 39°84'N, 77°06'E, mb2.7
NWC 17 02:45:37.2, 1.4, 39°92'N, 77°16'E, h0km, mb3.4, mpv3.0,
Error ellipse: s-maj=12.1km s-min=7.9km az=132.0

Table for KRNFT 17 02:45:37.8, columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC

2013 FEB

Main table for 2013 FEB section, columns: ULHL, ULHL, KZA, KZA, BOOM, BOOM, BOOM, SFK, SFK, SFK, SFK, ARLS, ARLS, UCH, UCH, UCH, TNS5, TNS5, TNS5, TNS5, IZV, IZV, IZV, KBK, KBK, KBK, TKM2, TKM2, TKM2, MDOK, MDOK, MDOK, MDOK, SATY, SATY, SATY, KOT5, KOT5, KOT5, KOT5, AAK, AAK, DGS, DGS, DGS, DGS, PDGK, PDGK, PDGK, PDGK, CHHK, CHHK, CHHK, KUU, KUU, KUU, MNAS, MNAS, MNAS, ARX5, ARX5, ARX5

SJA 17 02:50:49.8, 1.3, 31°61'S, 72°47'W, h41km, 999km, ML3.4,
MW3.5
GUC 17 02:50:51.9, 0.6, 31°57'S, 71°92'W, h29km, 9km, ML3.2
ISC 17 02:50:49.1, 1.8, 31°53'S, 0°03'71.97W, h0km, 12km,
n20, c1910/31, 3C, Near coast of central Chile

Main table for SJA 17 02:50:49.8, columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC

IDC 17 03:11:54.2, 2.1, 11°86'S, 164°82'E, h0km, mb3.7/3,
mb1 4.0/4, mb1mx3.7/35, mbtmp3.8/4, ML2.9/1, Error
ellipse: s-maj=48.8km s-min=44.2km az=148.0, Santa
Cruz Islands region

Table for IDC 17 03:11:54.2, columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC

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Table with columns: H11S1, WRA, H11N1, H11N3, H11N2, ASAR, FITZ, FINES

BJI 17 03:12:51.4, 37°55'N, 20°72'E, h5km, mb5.1/42, mb5.0/52,
MS4.9/32, MS7 4.6/32
ATH 17 03:12:52.9, 37°16'N, 20°52'E, h15km, ML5.0/34, Error
ellipse: s-maj=1.8km s-min=1.2km az=66.0

Main table for BJI 17 03:12:51.4, columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC

GII 17 03:12:58.2, 0.0, 36°73'N, 21°20'E, h3km, mb4.9/2, MD4.8/2
ISC 17 03:12:56.8, 0.7, 37°28'N, 02°20'72E, h27km, 4km,
n1253, c192/1408, mb4.9/219, MS4.6/49, h2C-41D, Ionian
Sea

Main table for GII 17 03:12:58.2, columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC

PYL PYL, PYL PYLOS, METHONI, METHONI, ITHOMI, ITHOMI, ITHOMI

SJA 17 02:50:49.8, 1.3, 31°61'S, 72°47'W, h41km, 999km, ML3.4,
MW3.5
GUC 17 02:50:51.9, 0.6, 31°57'S, 71°92'W, h29km, 9km, ML3.2
ISC 17 02:50:49.1, 1.8, 31°53'S, 0°03'71.97W, h0km, 12km,
n20, c1910/31, 3C, Near coast of central Chile

Main table for SJA 17 02:50:49.8, columns: Code, Station Name, Az, Phase ID, Time Res, ISC, h m s, ISC





KHC	Kasperske Hory	12.93 339	ePn	Pn	03 15 58.4	-0.3
KHC	Kasperske Hory	12.93 339	ePn	Pn	03 15 57.8	-0.9
KHC			ex	x	03 16 06.1	
KHC			eS	Sn	03 16 16.1	-5.5
KHC			AMS	AMS	03 22 00.0	
KHC	Kasperske Hory	12.93 339	ePn	Pn	03 15 57.8	-0.9
KHC			eS	Sn	03 16 16.1	-5.5
KHC			MLR	MLR		
OJC	Ojcow	12.95 357	ePn	Pn	03 15 58.0	-0.9
OJC	Ojcow	12.95 357	ePn	Pn	03 15 58.1	-0.9
KZIT	Kziot	12.99 115	eP	Pn	03 15 56.4	-3.3
KZIT	Kziot	12.99 115	eP	Pn	03 15 55.2	-4.5
KZIT			comp=Z,156nm,0.6s			
KZIT			Pn	Pn	03 15 56.0	-3.7
KZIT			Sn	Sn	03 18 15.4	-8.0
MMLI	Mount Malkishu	13.01 107	eP	Pn	03 15 55.6	-4.3
SVSK	Karacayir	13.01 73	eP	Pn	03 16 09.2	-0.8
AMAZ	Amatzia	13.05 112	eP	Pn	03 15 57.6	-2.8
AMAZ			comp=Z,175nm,0.7s			
AMAZ			Pn	Pn	03 15 57.2	-3.2
AMAZ			Sn	Sn	03 18 16.9	-7.8
AMAZ			Pn	Pn	03 15 57.9	-3.0
KRLC	Kraliky	13.10 349	eP	Pn	03 16 01.8	+0.7
KRLC	Kraliky	13.10 349	eP	Pn	03 16 01.8	+0.7
BNI	Bardonecchia	13.11 311	ePn	Pn	03 16 02.2	+0.9
BNI	Bardonecchia	13.11 311	ePn	Pn	03 16 02.2	+0.9
GAZ	Gaziantep	13.15 85	eP	Pn	03 15 58.7	-3.2
WET	Wetzell	13.15 337	eP	Pn	03 16 01.1	-0.7
WET			comp=Z,31nm,0.9s			
HMDT	Nahal Hemdat	13.17 108	Pn	Pn	03 15 58.9	-3.1
HMDT			Sn	Sn	03 18 21.0	+6.5
DRD	Darende-Malaty	13.30 79	P	Pn	03 16 06.5	+2.6
RSDY	Resadye-TOKAT	13.32 71	P	Pn	03 16 09.1	-4.4
GOPC	GO Pecny, Ondr	13.33 343	eP	Pn	03 16 03.6	-0.6
GOPC			AMS	AMS	03 22 20.0	
GOPC			comp=Z,3um,9.9s			
GOPC	GO Pecny, Ondr	13.33 343	eP	Pn	03 16 03.6	-0.6
GOPC			MLR	MLR		
DSI	Dead Sea	13.38 111	Pn	Pn	03 16 01.7	-3.2
DSI			Sn	Sn	03 18 24.9	-7.7
RMNI	Mount Ramon	13.43 116	Pn	Pn	03 16 02.3	-3.4
DPC	Dobruska-Polom	13.44 348	eP	Pn	03 16 06.0	+0.3
DPC			AMS	AMS	03 22 30.0	
DPC			comp=Z,4um,11.8s			
DPC	Dobruska-Polom	13.44 348	eP	Pn	03 16 06.0	+0.3
DPC			MLR	MLR		
PRU	Pruhonic	13.46 343	eP	Pn	03 16 04.7	-1.2
PRU			AMS	AMS	03 22 20.0	
PRU			comp=Z,4um,9.7s			
PRU	Pruhonic	13.46 343	eP	Pn	03 16 04.7	-1.2
PRU			MLR	MLR		
MZDA	Masada	13.49 112	Pn	Pn	03 16 03.6	-2.8
MZDA			Sn	Sn	03 18 26.3	-9.1
SENI	Lac Senin/Sane	13.49 316	ePn	Pn	03 16 05.1	-1.1
LISJ	Ei Lisan	13.61 112	P	Pn	03 16 05.3	-2.8
GHAJ	Ghor Haditha	13.64 112	eP	Pn	03 16 08.1	-0.4
GHAJ	Upic	13.64 112	eP	Pn	03 16 06.1	-2.4
UPC	Upic	13.64 347	eP	Pn	03 16 08.5	0.0
UPC			AMS	AMS	03 22 30.0	
UPC			comp=Z,4um,11.6s			
UPC	Upic	13.64 347	eP	Pn	03 16 08.5	0.0
UPC			MLR	MLR		
WALJ	Wala	13.70 110	P	Pn	03 16 09.4	+0.1
PRNI	Paran	13.74 116	Pn	Pn	03 16 05.7	-4.1
ZFRI	Zfiri	13.75 115	Pn	Pn	03 16 05.7	-4.3
SLE	Schleitheim	13.80 323	P	P	03 16 15.0	-3.8
SLE			comp=Z,75nm,1.0s			
KSP	Ksiaz	13.92 348	eP	Pn	03 16 11.4	-0.7
KSP			eS	Sn	03 19 38.7	+3.2
KSP			Pn	Pn	03 16 11.5	-0.7
HRFI	Mount Harif	13.94 117	Pn	Pn	03 16 07.2	-5.4
HRFI	Mount Harif	13.94 117	Pn	Pn	03 16 08.5	-4.1
HRFI			comp=Z,65nm,0.6s			
HRFI	Mount Harif	13.94 117	Pn	Pn	03 16 08.4	-4.1
HRFI			Sn	Sn	03 18 37.9	-8.5
PVCC	Panska Ves	13.96 344	eP	Pn	03 16 13.7	+1.0
PVCC			AMS	AMS	03 22 10.0	
PVCC			comp=Z,2um,10.4s			
PVCC	Panska Ves	13.96 344	eP	Pn	03 16 13.7	+1.0
PVCC			MLR	MLR		
MBRI	Mt Berech	13.99 118	Pn	Pn	03 16 09.9	-3.5
JDRJ	Darende	14.01 113	P	Pn	03 16 12.9	-0.8
SWQJ	Swaqa	14.04 111	P	Pn	03 16 12.0	-2.1
EIL	Eilat	14.09 118	eP	Pn	03 16 11.5	-3.1
EIL	Eilat	14.09 118	eP	Pn	03 16 13.6	-1.1
EIL			comp=Z,60nm,0.7s			
EIL	Eilat	14.09 118	Pn	Pn	03 16 11.1	-3.5
EIL	Eilat	14.09 118	Pn	Pn	03 16 10.8	-3.9
EIL			comp=Z,2.6nm,0.3s,baz=307,slo=2.5,SNR=35			
EIL			Sn	Sn	03 18 35.5	-15
AQBj	Aqaba	14.12 118	P	Pn	03 16 13.5	-1.6
GRFO	Grafenberg	14.17 334	ePn	Pn	03 16 15.2	-0.5
GRAI	Grafenberg Arr	14.17 334	ePn	Pn	03 16 17.5	+1.3
GRF	Grafenberg Arr	14.17 334	P	Pn	03 16 18.5	+2.8
GRF			comp=Z,155nm,1.2s			
STU	Stuttgart	14.22 327	ePn	Pn	03 16 15.1	-1.3
STU			AMS	AMS	03 22 50.0	
NKC	Novy Kostel	14.24 338	eP	Pn	03 16 16.4	-0.3
NKC			AMS	AMS	03 22 50.0	
NKC	Novy Kostel	14.24 338	eP	Pn	03 16 16.4	-0.3
NKC			MLR	MLR		
ASF	Jabal al Asfar	14.25 106	P	Pn	03 16 14.7	-2.2
ASF			comp=Z,28nm,0.7s			
ASF	Jabal al Asfar	14.25 106	Pn	Pn	03 16 12.1	-4.7
ASF			comp=Z,1.7nm,0.3s,baz=251,slo=8.1,SNR=13			
ASF			Sn	Sn	03 18 47.4	-6.6
ASF			comp=Z,0.8nm,0.3s,baz=197,slo=19,SNR=30.0			
ASF			LR	LR	03 23 52.6	
ASF			comp=Z,5.9nm,21.2s,baz=258,slo=6			
BFO	Black Forest	14.28 325	ePn	Pn	03 16 16.7	-0.5
BFO	Black Forest	14.28 325	ePn	Pn	03 16 16.7	-0.5
HSNJ	Maan	14.28 315	eP	Pn	03 16 15.7	-1.7
CAFJ	La Chapelle	14.31 315	eP	Pn	03 16 18.4	+0.7
URFA	Urfa	14.41 343	eP	Pn	03 16 19.9	+0.9
BRG	Berggiesshubel	14.42 84	IP	P	03 16 17.4	-1.7
BRG			IP	P	03 16 24.7	-0.9
BRG			S	S	03 18 38.0	-2.0
BRG			comp=N,876nm,14.3s			
BRG			comp=E,1um,12.4s			
BRG	Berggiesshubel	14.42 343	IP	Pn	03 16 17.4	-1.7
BRG			MLR	MLR		
BRG			comp=N,876nm,14.3s			
BRG			MLR	MLR		
BRG			comp=E,1um,12.4s			
BRG			MLR	MLR		
SSB	Saint Sauveur	14.53 308	ePn	Pn	03 16 20.6	0.0
SSB	Saint Sauveur	14.53 308	ePn	Pn	03 16 20.6	0.0
BEL	Belsk	14.55 0	eP	P	03 16 28.7	+1.7
BEL	Belsk	14.55 0	eP	P	03 16 28.7	+1.7
ANN	Anapa	14.67 54	eP	Pn	03 16 27.4	-1.0
ANN			comp=Z,83nm,0.6s			
AK11	Malin Array Si	14.70 22	ePn	Pn	03 16 21.3	-1.4
AK11			eS	Sn	03 19 17.9	-5.0
KIEV	Kiev	14.72 22	ePn	Pn	03 16 21.6	-1.5

KIEV	Erzincan	14.72 22	eSn	Sn	03 19 03.2	-2.0
KIEV	Kiev	14.72 22	IP	Pn	03 16 22.0	-1.1
KIEV			SNR=16			
KIEV	Kiev	14.72 22	eP	Pn	03 16 21.0	-2.1
AKASG	Malin Array Be	14.73 22	eP	Pn	03 16 24.6	+1.4
AKASG			comp=Z,4.0nm,0.3s			
AKASG	Malin Array Be	14.73 22	Pn	Pn	03 16 21.6	-1.6
AKASG			comp=Z,7.3nm,0.3s,baz=209,slo=11,SNR=11			
AKASG			Sn	Sn	03 19 18.2	-5.5
AKASG			baz=203,slo=22,SNR=5.6			
AKASG			LR	LR	03 23 41.0	
AKASG			comp=Z,2um,19.6s,baz=205,slo=45			
AKB	Malin Array Si	14.73 22	ePn	Pn	03 16 21.7	-1.5
AKB	Malin Array Si	14.73 22	ePn	Pn	03 16 21.7	-1.5
ECH	Echery	14.76 322	ePn	Pn	03 16 22.8	-0.9
ECH	Echery	14.76 322	ePn	Pn	03 16 22.8	-0.9
CDF	Champ du Feu	14.84 323	eP	Pn	03 16 22.9	+0.1
HUU	Haudompe	15.03 320	eP	Pn	03 16 27.4	+0.1
CLL	Collim	15.06 341	ePn	Pn	03 16 27.9	+0.3
CLL			comp=Z,149nm,1.4s			
CLL	Collim	15.06 341	eP	Pn	03 16 28.0	+0.4
CLL			comp=Z,10.0nm,1.1s			
CLL			IP(P2)			
CLL			comp=Z,102nm,1.3s			
CLL			e			
CLL			IP			
CLL			e			
CLL			IP			
CLL			e			
CLL			eS	S	03 17 45.0	
CLL			comp=Z,578nm,1.0s			
CLL			LMax			
CLL			03 22 00.0			
CLL			eP	Pn	03 16 27.9	+0.3
CLL			IP	Pn	03 16 34.4	
ERZN	Erzincan	15.07 75	eP	Pn	03 16 30.3	+2.2
KTUT	Trabzon	15.24 70	eP	Pn	03 16 33.9	-0.9
BAZI	Aydintepe-Bayb	15.45 72	eP	Pn	03 16 36.1	+1.3
MAYT	Mazidag	15.69 83	eP	Pn	03 16 37.1	-1.0
SOC	Sochi	15.77 61	eP	Pn	03 16 36.7	-0.2
SOC			e			
SOC			MLR	MLR	03 19 35.5	
SOC			comp=Z,729nm,12.0s			
BNGB	Bingli	15.80 78	eP	Pn	03 16 38.5	+0.9
LOR	Lormes					



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PTOM	Tomar	22.89 285 eP	P	03 17 59.2 +0.9
MESJ	Messejana	22.91 280 eP	P	03 18 01.4 +2.9
PCAS	Casimiro Conde	22.93 286 eP	P	03 18 00.0 +1.2
PCAS	Nicolau / Gran	23.12 281 eP	S	03 22 02.3 -4.8
PNCL	Averroes	23.26 269 eP	S	03 18 00.9 +0.2
AVE	Hagfors	23.31 351 P	S	03 22 07.7 -6.5
HFS	Marmelete	23.32 279 eS	S	03 22 15.9 +3.1
MORS	Pulkovo	23.34 121 eP	P	03 18 01.1 -1.3
HFS	Pulkovo	23.34 121 eP	P	03 27 27.1
MORS	Marmelete	23.32 279 eS	S	03 22 04.0 -1.0
PUL	Pulkovo	23.34 121 eP	P	03 18 02.7 +0.1
PUL	Pulkovo	23.34 121 eP	P	03 18 02.7 +0.1
PTEO	Vila Bisbo	23.49 279 eP	P	03 18 02.0 -1.0
PFVI	Vila Bisbo	23.49 279 eP	P	03 18 04.4 0.0
PFVI	Vila Bisbo	23.49 279 eP	P	03 22 10.2 -6.2
KONO	Kongsberg	23.50 346 eP	P	03 18 04.0 -0.2
KONO	Kongsberg	23.50 346 eP	P	03 18 04.0 -0.2
KONO	Kongsberg	23.50 346 eP	P	03 18 04.0 -0.2
OSL	Oslo	23.56 347 eP	P	03 18 03.4 -1.4
PMAFR	Mafra	23.61 283 eS	S	03 22 12.8 -5.6
NC602	NORSAR Array S	24.18 349 eP	P	03 18 10.2 -0.5
NORES	NORES Array B	24.18 349 P	P	03 18 10.4 -0.3
EKA	Eskdalemuir Ar	24.25 326 P	P	03 18 11.8 +0.4
EKA	Eskdalemuir Ar	24.25 326 P	P	03 18 11.8 +0.4
EKA	Eskdalemuir Ar	24.25 326 P	P	03 18 11.8 +0.4
ESK	Eskdalemuir	24.26 326 eP	P	03 18 11.2 -0.2
ESK	Eskdalemuir	24.26 326 eP	P	03 18 12.5 +1.0
NOA01	NORSAR Array S	24.32 348 eP	P	03 18 12.4 -0.2
FINES	FINES Array B	24.42 6 P	P	03 18 11.6 -1.3
FINES	FINES Array B	24.42 6 P	P	03 18 11.6 -1.3
FINES	FINES Array B	24.42 6 P	P	03 18 11.6 -1.3
FI1	FINES Array S	24.42 6 P	P	03 18 11.3 -1.5
NC405	NORSAR Array S	24.52 349 eP	P	03 18 13.2 -0.6
NB201	NORSAR Array S	24.52 349 eP	P	03 18 13.6 -0.3
NB2	NORSAR Subarra	24.52 349 P	P	03 18 13.2 -0.7
NB2	NORSAR Subarra	24.52 349 P	P	03 18 13.2 -0.7
NB2	NORSAR Subarra	24.52 349 P	P	03 18 13.2 -0.7
NOA	NORSAR Array B	24.52 349 P	P	03 18 13.0 -0.9
NOA	NORSAR Array B	24.52 349 P	P	03 18 12.9 -0.9
NOA	NORSAR Array B	24.52 349 P	P	03 18 12.9 -0.9
NOA	NORSAR Array S	24.59 348 eP	P	03 18 14.2 -0.2
DBS	Dublin	24.65 319 eP	P	03 18 16.4 +1.3
NC303	NORSAR Array S	24.68 349 eP	P	03 18 14.8 -0.4
NC204	NORSAR Array S	24.82 349 eP	P	03 18 16.6 0.0
HVA	Hoyanger	25.00 344 eP	P	03 18 24.1 +0.6
DOMB	Dombras	25.82 347 eP	P	03 18 25.0 -0.6
IDGL	Inch Island, C	26.15 322 eP	P	03 18 29.1 +0.5
VAL	Valentia	26.22 314 eP	P	03 18 17.5 -1.2
AKN	Aaknes	26.34 345 eP	P	03 18 23.0 +0.0
KLMR	Klimovskoe	26.42 21 eP	P	03 18 29.6 -1.3
KLMR	Klimovskoe	26.42 21 eP	P	03 18 29.6 -1.3
KLMR	Klimovskoe	26.42 21 eP	P	03 18 29.6 -1.3
NSS	Namsos	27.78 352 eP	P	03 18 42.6 -0.5
KIRV	Kirov	28.33 32 P	P	03 18 46.5 -1.5
KIRV	Kirov	28.33 32 P	P	03 18 46.5 -1.5
KIRV	Kirov	28.33 32 P	P	03 18 46.5 -1.5
TMCR	Tamitsa	28.86 16 eP	P	03 18 51.2 -1.5
TMCR	Tamitsa	28.86 16 eP	P	03 18 51.2 -1.5
PRGR	Permogore	28.91 25 eP	P	03 18 51.1 -2.1
PRGR	Permogore	28.91 25 eP	P	03 18 51.1 -2.1
TOAO	Torodi Ar. Sit	29.44 220 eP	P	03 18 58.7 +0.3
TORD	Torodi Ar. Bea	29.44 220 P	P	03 18 59.1 +0.8
TORD	Torodi Ar. Bea	29.44 220 P	P	03 18 59.1 +0.8
TORD	Torodi Ar. Bea	29.44 220 P	P	03 18 59.1 +0.8
GEYT	Alibeck	29.51 77 eP	P	03 18 58.3 -0.6
GEYT	Alibeck	29.51 77 eP	P	03 18 58.3 -0.6
GEYT	Alibeck	29.51 77 eP	P	03 18 58.3 -0.6
GYA0B	ALIBECK ARRAY	29.51 77 eP	P	03 18 57.9 -1.0
AKTO	Konsvik	29.59 354 eP	P	03 18 59.4 +0.2
AKTO	Aktjubinsk	29.61 52 P	P	03 18 58.5 -1.0
AB31	Akbulak array	30.63 54 eP	P	03 19 07.3 -1.3
AB31	Akbulak array	30.63 54 eP	P	03 19 07.3 -1.3
ABKAR	Akbulak array	30.63 54 eP	P	03 19 07.6 -1.0
STEI	Steigen	30.85 356 eP	P	03 19 08.5 -1.8
DAMY	Dhamar	30.90 131 eP	P	03 19 12.2 +0.6
APA	Apatity	31.17 9 i/j iP	P	03 19 12.3 -0.9
APA	Apatity	31.17 9 i/j iP	P	03 19 12.3 -0.9
ARU	Arti	31.63 41 eP	P	03 19 15.7 -1.6
ARU	Arti	31.63 41 eP	P	03 19 15.7 -1.6
ARU	Arti	31.63 41 eP	P	03 19 15.7 -1.6
ARU	Arti	31.63 41 eP	P	03 19 15.7 -1.6
LVZ	Lovozero	31.65 10 eP	P	03 19 17.6 +0.2
LVZ	Lovozero	31.65 10 eP	P	03 19 17.6 +0.2
LVZ	Lovozero	31.65 10 eP	P	03 19 17.6 +0.2
LVZ	Lovozero	31.65 10 eP	P	03 19 17.6 +0.2
KT1K	Kautokoino	31.82 2 eP	P	03 19 19.4 +0.5
SHME	Shamm	31.99 100 iP	P	03 19 20.5 -0.4
ASUD	Al Ashush, Dub	32.07 103 iP	P	03 19 22.3 +0.7
NAZ	Nazwa, Dubai	32.15 102 iP	P	03 19 22.6 +0.4
BANOM	Banah	32.18 100 iP	P	03 19 22.7 +0.2
BANOM	Banah	32.18 100 iP	P	03 19 22.7 +0.2
BANOM	Banah	32.18 100 iP	P	03 19 22.7 +0.2
FAQ	Al Faqa, Dubai	32.22 103 iP	P	03 19 23.1 +0.2
MACI	Morro de Ar	32.40 265 eP	P	03 19 25.9 +1.3
ARCES	ARCCESS Array B	32.42 3 eP	P	03 19 23.1 -0.9
ARCES	ARCCESS Array B	32.42 3 eP	P	03 19 23.2 -0.9
ARCES	ARCCESS Array B	32.42 3 eP	P	03 19 23.0 -1.1
AREO	ARCCESS Array S	32.42 3 eP	P	03 19 23.6 +0.5
TRO	Tromsø	32.42 359 eP	P	03 19 23.6 +0.6
ATD	Arta Tunnel	32.42 3 iP	P	03 19 26.5 +1.6
UOSS	Minazif	32.59 102 eP	P	03 19 25.4 -0.7
UOSS	Minazif	32.59 102 eP	P	03 19 25.9 -0.2
UOSS	Minazif	32.59 102 eP	P	03 19 25.9 -0.2
UOSS	Minazif	32.59 102 eP	P	03 19 25.9 -0.2
HATD	Hatta, Dubai	32.60 102 iP	P	03 19 26.2 0.0
ASHO	Ashiyah	32.61 102 iP	P	03 19 26.4 0.0
ASHO	Ashiyah	32.61 102 iP	P	03 19 26.7 +0.3
ALSH	Ashiyah	32.61 102 iP	P	03 19 26.7 +0.3
ALSH	Ashiyah	32.61 102 iP	P	03 19 26.7 +0.3
KEV	Kevo	32.70 4 eP	P	03 19 26.3 -0.3
KEV	Kevo	32.71 4 eP	P	03 19 26.3 -0.3
KEV	Kevo	32.71 4 eP	P	03 19 26.3 -0.3
KEV	Kevo	32.71 4 eP	P	03 19 26.3 -0.3
SVE	Sverdlouk	32.85 41 d iP	P	03 19 27.0 -1.0
SVE	Sverdlouk	32.85 41 d iP	P	03 19 27.0 -1.0
SVE	Sverdlouk	32.85 41 d iP	P	03 19 27.0 -1.0
SVE	Sverdlouk	32.85 41 d iP	P	03 19 27.0 -1.0

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SOHO	SOHO	33.27 103 P	P	03 19 32.1 +0.1
HAMP	Hammerfest	33.46 2 eP	P	03 19 32.9 -0.3
ARQ	Araçaj	33.68 104 P	P	03 19 36.1 +0.4
ABTO	Aybut	34.85 116 P	P	03 19 46.7 +0.9
SMDO	Samad	35.01 103 P	P	03 19 47.1 -0.2
WSAR	Wadi Sarin	35.37 102 P	P	03 19 49.8 -0.5
RBK	Rabkut	35.40 115 P	P	03 19 51.6 +1.0
DMTO	DMTO	35.81 114 P	P	03 19 54.0 0.0
MHTO	MHTO	36.10 106 P	P	03 19 56.8 +0.4
DOM	DMTO	36.38 108 P	P	03 19 58.8 -0.1
BRVK	Borovoye	37.52 49 eP	P	03 20 07.7 -0.6
BRVK	Borovoye	37.52 49 eP	P	03 20 07.3 -1.0
BRVK	Borovoye	37.52 49 eP	P	03 20 07.3 -1.0
BVAO	Borovoye Array	37.58 49 P	P	03 20 07.5 -1.3
BVAO	Borovoye Array	37.58 49 P	P	03 20 07.5 -1.3
BVAO	Borovoye Array	37.58 49 P	P	03 20 07.5 -1.3
KK31	Karatay Array	38.02 65 eP	P	03 20 11.9 -0.8
KK31	Karatay Array	38.02 65 eP	P	03 20 11.9 -0.8
KKAR	Karatay Array	38.02 65 eP	P	03 20 11.9 -0.8
KKAR	Karatay Array	38.02 65 eP	P	03 20 11.9 -0.8
DBIC	Dimbokro	38.34 224 eP	P	03 20 16.2 +0.6
DBIC	Dimbokro	38.34 224 eP	P	03 20 16.2 +0.6
DBIC	Dimbokro	38.34 224 eP	P	03 20 16.2 +0.6
DBIC	Dimbokro	38.34 224 eP	P	03 20 16.2 +0.6
TIC	Toumoudi	38.46 224 eP	P	03 20 18.1 +1.5
KIC	Kosan Boka	38.54 223 eP	P	03 20 19.0 +1.8
GAR	Garm	38.66 72 eP	P	03 20 18.2 0.0
GAR	Garm	38.66 72 eP	P	03 20 18.2 0.0
GAR	Garm	38.66 72 eP	P	03 20 18.2 0.0
OTUK	Ortayu	38.77 57 P	P	03 20 17.6 -1.4
OTUK	Ortayu	38.77 57 P	P	03 20 17.6 -1.4
OTUK	Ortayu	38.77 57 P	P	03 20 17.6 -1.4
BTK	Batken	38.80 70 eP	P	03 20 19.9 +0.5
BTK	Batken	38.80 70 eP	P	03 20 20.7 +1.3
BTK	Batken	38.80 70 eP	P	03 20 19.9 +0.5
BTK	Batken	38.80 70 eP	P	03 20 20.7 +1.3
LIC	Lamto	38.82 124 eP	P	03 20 21.4 +1.9
MBAR	Mbarara	38.82 164 P	P	03 20 22.2 +2.4
KBL	Kabul	38.94 79 eP	P	03 20 20.1 -0.3
KBL	Kabul	38.94 79 eP	P	03 20 20.1 -0.3
KBL	Kabul	38.94 79 eP	P	03 20 20.1 -0.3
KBL	Kabul	38.94 79 eP	P	03 20 20.1 -0.3
SCB	Scoresbysund	40.08 339 eP	P	03 20 29.7 +0.3
SCO	Scoresbysund	40.08 339 iP	P	03 20 30.8 +1.4
SCO	Scoresbysund	40.08 339 eP	P	03 20 29.7 +0.3
SCO	Scoresbysund	40.08 339 eP	P	03 20 29.7 +0.3
ARSB	Arslanbob	40.15 68 eP	P	03 20 30.6 -0.1
SFK	Sufi-Kurgan	40.82 69 P	P	03 20 35.6 -0.7
SFK	Sufi-Kurgan	40.82 69 P	P	03 20 35.6 -0.7
AAK	Ala-Archa	40.99 65 eP	P	03 20 37.3 -0.3
AAK	Ala-Archa	40.99 65 iP	P	03 20 37.0 -0.5
AAK	Ala-Archa	40.99 65 iP	P	03 20 36.9 -0.7
AAK	Ala-Archa	40.99 65 iP	P	03 20 36.9 -0.7
FRU	Bishkek	41.04 65 eP	P	03 20 38.0 +0.2
SPA0	Spitsbergen Ar	41.05 359 eP	P	03 20 37.1 +0.3
SPA0	Spitsbergen Ar	41.05 359 eP	P	03 20 38.3 +0.8
SPA0	Spitsbergen Ar	41.05 359 eP	P	03 20 38.2 +0.8
SPA0	Spitsbergen Ar	41.05 359 eP	P	03 20 38.2 +0.8
KMBO	Kilima Mbo	41.17 154 eP	P	03 20 41.8 +2.4
KMBO	Kilima Mbo	41.17 154 eP	P	03 20 43.2 +3.8
KMBO	Kilima Mbo	41.17 154 eP	P	03 20 43.4 +4.0
KMBO	Kilima Mbo	41.17 154 eP	P	03 20 43.4 +4.0
KMBO	Kilima Mbo	41.17 154 eP	P	03 20 42.7 +3.3
NRN	Naryn	42.34 67 eP	P	03 20 48.0 -0.9
NRN	Naryn	42.34 67 eP	P	03 20 48.0 -0.9
NRN	Naryn	42.34 67 eP	P	03 20 48.0 -0.9
NRN	Naryn	42.34 67 eP	P	03 20 48.0 -0.9
NIL	Nilore	42.49 79 eP		

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like HHC, HIA, XAN, KMI, SUR, ZEA, CHTO, CMAR, CM01, FCC, BJI, SUKH, UMPA, GYA, ENH, BILL, UTHA, PEKT, INK, TOLK, YKWA, YKB5, CN2, KLR, MA2, MA2, MA2, COLD, FYU, NKL, NKL, NKL, FFC, ULM, ULM, ULM, PRP, IM3, NJ2, EGAK, MDM, DAWY, COLA, COLA, MLY.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ILI, ILAR, USR, USR, USR, HDA, WRH, SCRK, ANM, ANM, ANM, RIDG, DOT, GAMB, KULM, PSI, PSI, MCK, CAST, DHY, KS01, KS15, KSAR, KSAR, KSRS, KSRS, PPLA, T47A, HYT, SUA, ECSD, YSS, YSS, YSS, YSS, YSS, YSS, X48A, PETK, T42A, LRAL, BDFB, LAO, EGMT, KSU1, WHAR, RSSD, RSSD, RSSD, WALA, ERM, ERM, ERM, X40A, SDV, MIAR, MIAR, MIAR, GCMT, HRY, TUL1, MAJO, MAJO, MAJO, MAJO, MAJO, NEW, NEW, NEW, MSO, BOZ, BOZ, BOZ, K22A, YHH, H17A, DLMT, YPP, C09A, KSCO, IMW, MOOW, LOHW, FXWY, PD31, PDAR, PDAR, PDAR, BW06.

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TPWA, WMOK, WMOK, AHID, HAWA, O20A, BMO, BMO, SDCO, HVU, HVU, ABTX, JLU, S22A, CTU, PV15, PV07, BGU, PV21, PV02, PV23, PV12, PV09, PV09, PV11, J08A, PV02, PV16, PV14, PV19, PV17, PV13, SRU, SRU, SRU, NLU, DUG, DUG, DUG, TMUT, Q16A, WVOR, WVOR, ANMO, ANMO, MTPU, MOD, MNX, TXAR, TXAR, NVAR, NVAR, CPUP, LPZA, WIRA, WRAB, WRAB, AS31, ASAR, AS01, CTA, CTA, STKA, DZM, URZ.

Summary table for NNC 17 03:109.22.3.5, 36.95N:70.20E, h0km, mb3.6, mpv3.2, 6C-3D, Error ellipse: s-maj=29.2km s-min=26.4km az=124.0, Hindu Kush region. Includes columns: Code, Station Name, Azimuth, Elevation, SNR, Phase ID, Time, Res, ISC.

17d 3h

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like FITZ, WARRAMA, WRA, ASAR, MKAR.

ISK 17 03:25:03.3, 42.34N-40.98E, h12km, ML2,7/6
MOS 17 03:25:04.6, 0.0, 42.56N-41.11E, h2km, MPVA3.6
NORS 17 03:25:04.6, 0.0, 42.56N-41.11E, h2km, MPVA3.6

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like BATM, BCR, NEY, TRABZON, SHAI, DIGR, KIV, SENK, BAYT, ZEI, KBTC, KARS, LACR, KOPR, TBLG.

IDC 17 03:25:37.2-10.0, 31.79N-68.81E, h0km, mb3.4/3, mb1.3, 4.4, mb1mx3.2, 3.8, mbtmp3.4, 4, ML3.0, 1, Error ellipse: s-maj=174.3km s-min=57.3km az=21.0,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MKAR, AKTYUBINSK, ZALV, SONMI.

DJA 17 03:33:14.6, 1.2, 3'S-5.13'E, h10km, M3,8/3, ML3,8/3
ISCJB 17 03:33:21.2, 0.9, 2.24S:0.07:135.98E:0.10, h33km, mb2.6/1, Error ellipse: s-maj=15.3km s-min=7.9km az=29.4

IDC 17 03:33:37.8, 5.9, 4.37S:138.84E, h0km, mb3.1/1, mb1.3, 3.9, mb1mx3.2, 3.0, mbtmp3.1, 3, ML3.1/2, Error ellipse: s-maj=234.5km s-min=35.7km az=87.0

ISC 17 03:33:21.9, 1.5, 2.29S:0.08:136.2E:0.11, h35km, n6, c#315/9, Irian Jaya region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like SRPI, BAKI, RKPI, FAKI, WRA, ASAR.

DJA 17 03:35:18.6, 1.2, 3'N-4.12'E, h16km, 11km, M4,1/9, mb4.3/2, mB5.1/1, MLV4,0/9, Mw(mB)4,4/1, Talaud Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like SGSI, TINTI, KMSI, MRSI, SANI, APSI.

SOME 17 03:36:07.5, 42.60N-79.57E, h10km, NNC 17 03:36:07.3, 0.8, 42.59N-79.62E, h2km, 3km, mb3.0, mpv2.9, Error ellipse: s-maj=5.2km s-min=2.6km az=148.0

KRNET 17 03:36:07.3, 0.1, 42.58N-79.66E, h18km, mb2.9, 21C-16D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like UZB, PDGK, PRZ, KTMS, SATY, KURS.

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Main table with columns: KURS, J/S, Sg, Pb, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like KURS, DJR, KDJ, KOTS, KOTYBULAK, TNSN, ARXS, IZV, CHHK, MTBS, KTBS, ULHL, BOOM, KUU, KST, DGS, NRN, TKM2, TKM2, KZA, KBK, ARLS, MAKZ.

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Table with columns: MAKZ, J/S, Sg, Pb, Azimuth, Elevation, Phase, ID, Time, Res. Includes stations like MAKZ, MK31, NIED, IDC, HATJ, IRIF, YONG, YOJ, JKRS, JIKS, JIJ, JISG, NACB, YULB, JTJ, TWG, SSLB, YHNB, TATO, TPUB, JIRB, IIRAJ, JIRB, JIRB, MJYKO, JIKM, JIKM, JOGS, JOGS, KSAR, KSRS, MAJO, MJAR, ULN, SONAO, SONMI, SONAI, LSA, MK01, MK31, MK32, MKAR, ZALV, ZALV, ZAA1, KURK, KURBB, WR1, WRA, AS31, ASAR, BRVK, ILAR, FIAO, FINES, HFS, RES, NB2, NB200, NOA, YKA, YKBS, GERES, MEX, MEX, MEX, PNIG, VHO, CAIG, CAIG, DDA, HEK, HEK, AKCD, AKCD, DARE, DARE, KEMA, KEMA, ELZG, ELZG, URFA, URFA, JMRS.

Table with columns: SVSK, Karacayir, 1.53 325 PN, Pb, 03 43 51.2 +0.2. Includes NNC 17 03:46:34.8:3.6, 36.83N:70.15E, h0km, mb3.6, mpv3.2, 4C-2D, Error ellipse: s-maj=29.1km s-min=27.6km az=137.0, Hindu Kush region.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes SFK 2.9f, Kurgan, 4.13 39 Op, Pn, 03 47 39.1 -0.2.

ISC/JB 17 03:52:12.2:0.3, 51.48N:0.01:16.18E:0.03, h0km, Error ellipse: s-maj=2.6km s-min=2.0km az=173.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes KSP Ksiaz, 0.69 175 ePg, Pp, 03 52 27.2 +0.6.

ISC 17 03:52:15.5:0.6, 51.44N:16.03E, h0km, mb1.3/2/10, mb1mx3/0.48, mbtmp3/1.10, ML2.8/9, Error ellipse: s-maj=1.8km s-min=5.7km az=97.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes DPC Dobruska-Polom, 1.19 176 ePg, Pp, 03 52 36.2 +0.2.

ISC 17 03:52:13.3:0.6, 51.53N:0.03:16.20E:0.02, h0km, n48, az=134/90, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes KRLC Kraliky, 1.51 166 ePg, Pn, 03 52 40.0 +0.4.

ISC 17 03:52:12.2:0.3, 51.48N:0.01:16.18E:0.03, h0km, Error ellipse: s-maj=2.6km s-min=2.0km az=173.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes BRG Bergjesshubel, 1.57 246 PN, Pn, 03 52 45.2 +0.2.

ISC 17 03:52:15.5:0.6, 51.44N:16.03E, h0km, mb1.3/2/10, mb1mx3/0.48, mbtmp3/1.10, ML2.8/9, Error ellipse: s-maj=1.8km s-min=5.7km az=97.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes GOPC GO Pecny, Ondr, 1.85 210 ePg, Pp, 03 52 48.3 +0.3.

ISC 17 03:52:12.2:0.3, 51.48N:0.01:16.18E:0.03, h0km, Error ellipse: s-maj=2.6km s-min=2.0km az=173.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes PRU Pruhonice, 1.87 215 ePN, Pn, 03 52 46.4 -0.1.

ISC 17 03:52:15.5:0.6, 51.44N:16.03E, h0km, mb1.3/2/10, mb1mx3/0.48, mbtmp3/1.10, ML2.8/9, Error ellipse: s-maj=1.8km s-min=5.7km az=97.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes MORC Moravsky Berou, 1.96 154 ePN, Pn, 03 52 48.0 +0.3.

ISC 17 03:52:12.2:0.3, 51.48N:0.01:16.18E:0.03, h0km, Error ellipse: s-maj=2.6km s-min=2.0km az=173.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes KRUC Moravsky, 2.48 177 ePg, Pp, 03 52 59.1 +0.4.

ISC 17 03:52:15.5:0.6, 51.44N:16.03E, h0km, mb1.3/2/10, mb1mx3/0.48, mbtmp3/1.10, ML2.8/9, Error ellipse: s-maj=1.8km s-min=5.7km az=97.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes KHC Kasperske Hory, 2.93 216 ePN, Pn, 03 53 02.0 +0.8.

Table with columns: HFS, Lg, 03 56 52.7. Includes NOA NORSTAR Array B, 9.92 346 Pn, Pn, 03 54 36.9 -0.1.

ISC 17 04:03:12.7:1.1, 11.50S:164.92E, h0km, mb3.6/5, mb1.3/8/6, mb1mx3/6/36, mbtmp3/6/6, ML3.4/1, Error ellipse: s-maj=49.8km s-min=29.8km az=119.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes DZM Mont Dzumac, 10.54 172 Pn, Pn, 04 05 46.7 +0.1.

ISC 17 04:03:17.7:1.2, 11.65S:0.1:164.92E:0.3, h34km, n12, az=64/86, mb3.5/5, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes WRA Warramunga Arr, 30.55 250 P, Pn, 04 09 28.2 -0.2.

ISC 17 04:12:55.7:0.0, 42.02N:82.22W, h5km, MN2.5(OTT), After OTT

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes M50A Fremont, 0.87 225 ePg, Pp, 04 13 12.6 +0.2.

ISC 17 04:14:15.7:1.1, 67.79N:141.95E, h0km, mb3.5/4, mb1.3/8/5, mb1mx3/3/33, mbtmp3/4/5, ML2.6/1, Error ellipse: s-maj=42.8km s-min=26.7km az=15.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes ACTO Action, 2.25 44 Pn, Pn, 04 13 34.5 +0.9.

ISC 17 04:14:12.3:0.8, 67.58N:0.05:142.92E:0.2, h10km, mb3.4/4, Error ellipse: s-maj=10.6km s-min=5.9km az=20.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes YBGR Belaya Gora, 1.69 52 ePg, Pn, 04 14 43.1 -0.9.

ISC 17 04:14:15.1:0.0, 67.53N:0.05:142.92E:0.1, h10km, n9, az=126/16, mb3.4/4, Eastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes MOMR Moma, 1.10 167 ePg, Pn, 04 14 34.7 -1.2.

ISC 17 04:14:15.1:0.0, 67.53N:0.05:142.92E:0.1, h10km, n9, az=126/16, mb3.4/4, Eastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes YBGR Belaya Gora, 1.69 52 ePg, Pn, 04 14 43.1 -0.9.

ISC 17 04:14:15.1:0.0, 67.53N:0.05:142.92E:0.1, h10km, n9, az=126/16, mb3.4/4, Eastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes SEY Seymchan, 6.18 134 Pn, Pn, 04 15 53.1 +7.5.

ISC 17 04:14:15.1:0.0, 67.53N:0.05:142.92E:0.1, h10km, n9, az=126/16, mb3.4/4, Eastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes MA2 Magadan, 8.77 152 Lg, Lg, 04 17 30.1.

ISC 17 04:34:41.5:0.3, 7.48S:0.03:128.55E:0.04, h151km, mb4.1/1/8, Error ellipse: s-maj=5.2km s-min=3.9km az=1.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes JAY Jayapura, 9.58 99 Op, LR, 04 32 53.5.

M1 3.1/3, m1mx2.7/46, Error ellipse: s-maj=20.1km s-min=12.0km az=80.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes SAUI Saumlaki, 2.76 99 Op, Pn, 04 35 29.8 +2.8.

ISC 17 04:34:42.6:0.4, 7.56S:0.04:128.55E:0.05, h151km, n65, az=213/77, mb4.1/1/8, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes BATI Baunata, 5.50 241 P, Pn, 04 36 04.7 +2.0.

ISC 17 04:34:41.5:0.3, 7.48S:0.03:128.55E:0.04, h151km, n22, az=052/22, mb3.8/12, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes URZ Urewera, 23.17 196 P, Pn, 04 49 57.3 -0.1.

ISC 17 04:34:41.5:0.3, 7.48S:0.03:128.55E:0.04, h151km, n22, az=052/22, mb3.8/12, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes STKA Stephens Creek, 42.45 240 P, Pn, 04 52 43.4 +0.1.

ISC 17 04:34:41.5:0.3, 7.48S:0.03:128.55E:0.04, h151km, n22, az=052/22, mb3.8/12, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes WRA Warramunga Arr, 48.29 257 P, Pn, 04 53 28.3 -0.8.

ISC 17 04:34:41.5:0.3, 7.48S:0.03:128.55E:0.04, h151km, n22, az=052/22, mb3.8/12, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes ASAR Alice Springs, 48.53 252 P, Pn, 04 53 30.7 -0.2.

ISC 17 04:34:41.5:0.3, 7.48S:0.03:128.55E:0.04, h151km, n22, az=052/22, mb3.8/12, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes PETK Petropavlovsk, 72.87 343 P, Pn, 04 56 13.6 -0.0.

ISC 17 04:34:41.5:0.3, 7.48S:0.03:128.55E:0.04, h151km, n22, az=052/22, mb3.8/12, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes NVAR Mina Array Bea, 75.81 43 P, Pn, 04 56 30.6 -0.6.

ISC 17 04:34:41.5:0.3, 7.48S:0.03:128.55E:0.04, h151km, n22, az=052/22, mb3.8/12, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes TXAR Lapa Paz, 151.12 145 PKPbc, PKPbc, 04 54 08.4 +0.3.

ISC 17 04:34:41.5:0.3, 7.48S:0.03:128.55E:0.04, h151km, n22, az=052/22, mb3.8/12, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes TXAR Lapa Paz, 151.12 145 PKPbc, PKPbc, 04 54 08.4 +0.3.

ISC 17 04:34:41.5:0.3, 7.48S:0.03:128.55E:0.04, h151km, n22, az=052/22, mb3.8/12, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h m s, ISC. Includes TXAR Lapa Paz, 151.12 145 PKPbc, PKPbc, 04 54 08.4 +0.3.

17D 5h

Table with columns: SEY, ILAR, PDAR, YKA, CMAR, UPC, DPC, MORC, PRU, WRAC, BRTR, KRUC, MLR, KHC, GERES. Includes station names, coordinates, and various parameters.

IDC 17 04:56:24.2-1.6, 2.15S, 137.74E, h0km, mb3.1/2, mb1 3.3/4, mb1mx3.2/26, mbtmp3.1/4, ML2.9/2, Error ellipse: s-maj=40.7km s-min=30.6km az=75.0, Irian Jaya

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like JAY, WRA, ASAR, MKAR.

IDC 17 05:04:45.2-0.9, 2.410'N, 121.89E, h0km, mb3.4/7, mb1 3.6/7, mb1mx3.4/55, mbtmp3.4/7, MS2.6/1, Ms1 2.8/1, ms1mx2.3/33, Error ellipse: s-maj=63.3km s-min=18.9km az=67.0

JMA 17 05:04:51.4-0.1, 2.410'N, 121.69E, h43km, M3.3, ISCJB 17 05:04:52.6-0.2, 2.410'N, 121.74E, h35km, mb3.3/7, MS2.4/1, Error ellipse: s-maj=2.0km s-min=1.5km az=138.4

TAP 17 05:04:52.4, 2.407'N, 121.68E, h43km, ML4.1, B, ISC 17 05:04:51.8-0.7, 2.407'N, 121.71E, h35km, n138, r152/198, mb3.5/7, 9C-34D, Taiwan

Main table for 17D 5h section, listing stations from TWD to SMLT with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res.

2013 FEB

Main table for 2013 FEB section, listing stations from YULB to TWG with columns: Station Name, Az, AzZ, Phase ID, Time, Res.

1330

Main table for 1330 section, listing stations from TWGBT to ZPLA with columns: Station Name, Az, AzZ, Phase ID, Time, Res.

IDC 17 05:10:00.2-28.0, 16.21S, 174.64W, h0km, mb4.1/4, mb1 4.3/4, mb1mx3.7/48, mbtmp4.1/4, MS4.5/1, Ms1 4.5/1, ms1mx2.9/40, Error ellipse: s-maj=565.6km s-min=156.6km az=86.0, Tonga Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like RAO, STKA, WRA, ASAR, FITZ.

ISCJB 17 05:10:42.8-0.9, 6.82S, 107.9E, h350km, mb3.2/3, Error ellipse: s-maj=17.3km s-min=12.4km az=14.8

IDC 17 05:10:42.8-4.6, 6.72S, 127.86E, h326km, 53km, mb2.9/3, mb1 3.3/6, mb1mx3.0/40, mbtmp3.9/6, Error ellipse: s-maj=60.7km s-min=19.0km az=56.0

ISC 17 05:10:44.1-1.1, 6.81S, 107.9E, h350km, n7, r151/19, mb3.3/3, Banda Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like BATI, FITZ, WRA, ASAR, SONM, MKAR, ZALV.





Table with columns: Code, Station Name, Az, AzZ, Phase, ISC, h, m, s, Res, ISC. Includes station data for SOEI, BATI, BATH, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase, ISC, h, m, s, Res, ISC. Includes station data for MES2, PYLOS, Ithomi, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase, ISC, h, m, s, Res, ISC. Includes station data for IMMV, ERA, EVR, etc.

17d 5h, mb4.5/15, MS4.1/1, Error ellipse: s-maj=8.1km s-min=4.3km az=41.1, NEIC 17 05:38:45.0, 8.0, 9.95S, 124.34E, h23km, 6km, mb4.5/7, Error ellipse: s-maj=8.6km s-min=4.7km az=48.0, DUA 17 05:38:50.0, 5.0, 10.3 S, 12.4 E, h38km, 12km, M4.6/10, mb4.8/5, mB5.1/2, ML4.5/10, Mw(mB)4.4/2, ISC 17 05:38:44.9, 0.5, 10.07S, 0.05, 124.39E, 0.05, h19km, n57, c241.65, mb4.7/20, Tirmor region

GII 17 05:42:13.1, 1.0, 0.36, 29N, 22.30E, h15km, mb4.8/3, MD4.8/3, HLW 17 05:42:13.2, 36.27N, 21.91E, h33km, 49km, MD5.0, MIS.0, TIR 17 05:42:13.7, 37.63N, 21.66E, h17km, Mt4.9/6, ISC 17 05:42:07.2, 0.4, 36.66N, 0.02, 21.61E, 0.02, h34km, 1km, h33km, pP, n1151, c2802/1290, mb5.0/208, MS4.5/51, 78C-36D, Southern Greece

comp=N, 55547um, 0.8s, lera Moni Meta 2.26 121 P S Pn 05 42 43.9 +1.7, IMMV 2.26 4 P Pn 05 42 46.5 -0.9, EVR Evrytania 2.26 4 P Pn 05 42 46.5 -0.9, EVR Evrytania 2.26 4 P Pn 05 42 46.5 -0.9, CHAN Chanai 2.27 119 P Pn 05 42 46.2 +1.9, PTL Penteli 2.27 52 P Pn 05 42 43.9 +1.5, PTL Penteli 2.27 52 P Pn 05 42 43.9 +1.5, ATAL Atalanti 2.32 28 P Pn 05 42 44.6 +1.6, ATAL Atalanti 2.32 28 P Pn 05 42 44.6 +1.6, SERI Sorachi 2.36 77 P Pn 05 42 44.4 +0.9, AGG Agios Georgios 2.43 13 ePn Pn 05 42 47.7 +3.1, AGG Agios Georgios 2.43 13 ePn Pn 05 42 47.5 +3.0, AGG Agios Georgios 2.43 13 P Pn 05 42 47.4 +2.8, AGG Agios Georgios 2.43 13 P Pn 05 42 47.5 +3.0, VAM Vamos 2.44 120 S S Pn 05 42 46.4 +1.8, VAM Vamos 2.44 120 S S Pn 05 42 46.4 +1.8, VAM Vamos 2.44 120 S S Pn 05 42 46.4 +1.8, comp=N, 42338um, 0.8s, VAM 2.44 120 S S Pn 05 43 42.0, comp=E, 38704um, 1.0s, VAM Vamos 2.44 120 P Pn 05 42 46.2 +1.5, VAM Vamos 2.44 120 P Pn 05 42 45.9 +1.2, VAM Vamos 2.44 120 P Pn 05 43 14.5 +1.2, VAM Vamos 2.44 120 P Pn 05 42 47.8 +1.6, EREA Eretria 2.55 46 P Pn 05 42 48.1 +1.8, SMIA Simia 2.56 29 P Pn 05 42 50.9 +1.9, GVD Gavdhos 2.71 131 ePn Pn 05 42 50.2 +1.9, SMIA Simia 2.71 131 ePn Pn 05 42 50.2 +1.9, SKIA Skiathos 2.91 30 P Pn 05 42 52.9 +1.9, THL Klokotos Trika 2.92 6 P Pn 05 42 53.9 +2.6, NEO Neokhori 2.94 25 P Pn 05 42 53.2 +1.7, FYTO Fytoko, Volos 2.94 25 P Pn 05 42 53.4 +1.9, YOR Yoros 2.98 24 P Pn 05 42 54.2 +1.9, IDI Anoyia 2.99 116 P Pn 05 42 54.1 +1.8, IDI Anoyia 2.99 116 P Pn 05 42 54.1 +1.8, IDI Anoyia 2.99 116 P Pn 05 42 54.1 +1.8, IDI Anoyia 2.99 116 P Pn 05 42 54.1 +1.8, comp=E, 26nm, 0.3s, baz=291, slow=13, SNR=119, IDI 2.99 116 P Pn 05 43 29.2 +2.2, comp=E, 286nm, 0.3s, baz=173, slow=5.9, SNR=12, IDI 2.99 116 P Pn 05 43 47.3, comp=E, 93nm, 0.3s, baz=211, slow=20, SNR=4, IDI 2.99 116 P Pn 05 44 29.2, comp=E, 9um, 21.2s, baz=288, slow=50, SAP3 Santorini-Thir 3.02 93 P Pn 05 42 54.0 +1.4, IGT Igomouitsa 3.04 341 ePn Pn 05 42 54.3 +1.3, IGT Igomouitsa 3.04 341 ePn Pn 05 42 54.3 +1.3, IGT Igomouitsa 3.04 341 P Pn 05 42 54.4 +1.4, JAN Janina 3.06 349 P Pn 05 42 55.7 +2.6, JAN Janina 3.06 349 P Pn 05 42 55.6 +2.5, AOS Alonissos 3.09 35 ePn Pn 05 42 54.8 +1.3, AOS Alonissos 3.09 35 P Pn 05 42 54.8 +1.3, SANT Santorini 3.11 91 ePn Pn 05 42 55.4 +1.5, SANT Santorini 3.11 91 ePn Pn 05 42 55.0 +1.1, SANT Santorini 3.11 91 P Pn 05 42 55.0 +1.1, APE Apeiranthos 3.17 81 P Pn 05 42 55.1 +0.3, APE Apeiranthos 3.17 81 P Pn 05 42 55.0 +0.9, APE Apeiranthos 3.17 81 P Pn 05 42 55.0 +0.9, KPRO Kipourio 3.30 857 P Pn 05 42 59.6 +3.1, ANAF Anafi Island 3.37 94 P Pn 05 42 58.4 +1.0, KEK Kerira 3.37 336 P Pn 05 42 58.4 +1.0, ARGA Amorgos Island 3.45 86 P Pn 05 42 58.6 +1.1, SRN Sarande 3.46 339 P Pn 05 43 00.4 +1.3, SRN Sarande 3.46 339 P Pn 05 43 00.5 +2.8, LIT Litokhoron 3.51 11 ePn Pn 05 43 01.6 +2.2, LIT Litokhoron 3.51 11 P Pn 05 43 01.9 +2.5, LIT Litokhoron 3.51 11 ePn Pn 05 43 01.6 +2.2, NPS Neapolis 3.55 112 P Pn 05 43 02.5 +2.8, NPS Neapolis 3.55 112 P Pn 05 43 02.5 +2.8, KZN Kozani 3.65 2 P Pn 05 43 03.7 +2.4, PAIG Palouri 3.65 26 P Pn 05 43 03.1 +1.8, PAIG Palouri 3.65 26 P Pn 05 43 03.3 +2.0, NEST Nestorio 3.78 353 P Pn 05 43 06.3 +3.2, TPE Tepelena 3.84 341 P Pn 05 43 05.4 +1.4, TPE Tepelena 3.84 341 P Pn 05 43 05.4 +1.4, CHOS Chios island 3.93 63 ePn Pn 05 43 05.9 +0.7, PLGR Polygyros 3.98 21 P Pn 05 43 07.7 +1.8, ZKR Zakros 4.04 111 ePn Pn 05 43 09.3 +2.6, HORT Hortiatis 4.11 16 ePn Pn 05 43 11.2 +3.6, THE Thessaioniki 4.11 15 P Pn 05 43 11.2 +3.6, APE Apeiranthos 4.11 15 P Pn 05 43 12.6 +5.0, OUR Ouranopolis 4.12 26 P Pn 05 43 09.8 +2.1, OUR Ouranopolis 4.12 26 P Pn 05 43 09.9 +2.2, VLO Viora 4.15 337 P Pn 05 43 10.2 +2.1, VLO Viora 4.15 337 P Pn 05 43 10.2 +2.1, zmir 4.20 66 P Pn 05 43 10.8 +1.9, comp=Z, 3um, 0.4s, SIGR SIGRI 4.22 51 ePn Pn 05 43 09.8 +0.8, URLA Izmir 4.31 65 ePn Pn 05 43 11.7 +1.3, URLA Izmir 4.31 65 P Pn 05 43 12.7 +2.3, GRG Griva 4.34 8 P Pn 05 43 10.9 +0.1, GRG Griva 4.34 8 P Pn 05 43 12.4 +1.6, BOZO Bozada 4.73 46 ePn Pn 05 43 13.5 +2.5, KRBN Karaburun 4.38 82 ePn Pn 05 43 11.0 +0.7, SOH Sokhos 4.38 18 P Pn 05 43 13.4 +2.1, SOH Sokhos 4.38 18 P Pn 05 43 13.5 +2.1, DGB zmir 4.43 70 P Pn 05 43 13.6 +1.7, comp=Z, 1um, 0.3s, NISR Nisiroi 4.44 89 P Pn 05 43 14.1 +2.0, OHR Ohrid 4.50 352 P Pn 05 43 14.8 +1.9, PRK Paraskevi 4.50 54 P Pn 05 43 15.3 +2.3, TTP Timpagrande 4.59 305 ePn Pn 05 43 14.5 +0.2, TTP Timpagrande 4.59 305 P Pn 05 43 14.5 +0.2, BODT Bodrum 4.59 83 P Pn 05 43 15.9 +1.7, GCAM G?zelcam? 4.61 75 ePn Pn 05 43 16.6 +2.1, GCAM G?zelcam? 4.61 75 P Pn 05 43 16.4 +2.0, GCAM G?zelcam? 4.61 75 P Pn 05 43 16.6 +2.0, GCAM G?zelcam? 4.61 75 P Pn 05 43 16.6 +2.0, comp=Z, 2um, 0.4s, KNT Kendrickon 4.61 12 P Pn 05 43 16.7 +2.2, KNT Kendrickon 4.61 12 P Pn 05 43 16.4 +1.9, KARP Karpathos 4.63 102 P Pn 05 43 17.9 +4.9, KARP Karpathos 4.63 102 ePn Pn 05 43 15.6 +0.8, BDRM Balvaca 4.65 67 ePn Pn 05 43 16.3 +1.3, BDRM Kayabasi 4.70 83 P Pn 05 43 17.7 +2.0, comp=Z, 5um, 0.4s, KRUS Krusevo 4.72 357 P Pn 05 43 17.4 +1.4, VAY Valandovo 4.72 9 P Pn 05 43 17.8 +1.9, BOZO Bozada 4.73 46 ePn Pn 05 43 16.2 +0.1, DAT Datca 4.80 87 P Pn 05 43 18.9 +1.8, DAT Datca 4.80 87 P Pn 05 43 20.0 +2.8, DAT Datca 4.80 87 P Pn 05 43 18.9 +1.8, DAT Datca 4.80 87 P Pn 05 43 20.0 +2.8, comp=Z, 2um, 0.6s, CEL Celest 4.82 291 ePn Pn 05 43 17.9 +0.5, DATO Datca-Mugla 4.86 87 ePn Pn 05 43 19.7 +1.8, EZN Ezine 4.88 48 ePn Pn 05 43 16.8 -1.3, TIR Tirene 4.88 344 ePn Pn 05 43 18.8 +0.7, TIR Tirene 4.88 344 ePn Pn 05 44 13.0 -0.4, TIR Tirene 4.88 344 ePn Pn 05 43 19.3 +1.1, TIR Tirene 4.88 344 ePn Pn 05 43 19.6 +1.5, TIR Tirene 4.88 344 P Pn 05 43 19.3 +1.1, TIR Tirene 4.88 344 P Pn 05 43 19.4 +1.3, TIR Tirene 4.88 344 P Pn 05 44 10.0 -3.4, MLSB Milas 4.98 81 ePn Pn 05 43 21.9 +2.3, STP Stip 5.05 5 P Pn 05 43 23.1 +2.5, PHP Peshkopia 5.10 350 P Pn 05 43 24.5 +1.9, PHP Peshkopia 5.10 350 P Pn 05 44 15.3 -3.8, AYDN Tasuluk 5.11 77 P Pn 05 43 24.1 +2.7, AYDN Tasuluk 5.11 77 P Pn 05 43 24.1 +2.7, comp=Z, 1um, 0.4s, CGL1 Ceglie Messapi 5.14 322 ePn Pn 05 43 22.5 +0.8, CGL1 Ceglie Messapi 5.14 322 P Pn 05 44 15.6 -4.3, TARI Taranto 5.14 320 ePn Pn 05 43 22.5 +0.8, TARI Taranto 5.14 320 ePn Pn 05 44 15.7 -4.1, AYDB Zeytinkoy-Aydi 5.17 74 ePn Pn 05 43 23.8 +1.5, ARG Arkhangelos 5.27 93 P Pn 05 43 24.6 +1.0, ARG Arkhangelos 5.27 93 P Pn 05 43 26.0 +2.4, ARG Arkhangelos 5.27 93 P Pn 05 43 26.0 +2.4, MASS Massafra 5.29 320 ePn Pn 05 43 24.6 +0.8, MASS Massafra 5.29 320 P Pn 05 44 19.3 -3.7, FASA Fasano 5.32 323 ePn Pn 05 43 24.5 +0.3, FASA Fasano 5.32 323 P Pn 05 44 19.1 -5.2, KKB Krupnik 5.33 12 P Pn 05 43 25.8 +1.5, GELI Tayfur-Gelibol 5.34 44 ePn Pn 05 43 26.0 +1.5, YER Yerkesik 5.37 83 P Pn 05 43 27.9 +2.9

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Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like AKHS, ENEZ, RDO, ALN, etc.

2013 FEB

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like VLAD, BORA, PUNG, HAPS, etc.

17d 5h

Table with columns: Call sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like BIZ, BUD, BUD, BUD, etc.

17d 5h

FETA	comp=Z,21nm,0.6s	Sn	Sn	05 47 26.3	-10
EIL	Elat	13.16 118	P	Pn	05 45 08.6 -3.1
EIL	Elat	13.16 118	Pn	Pn	05 45 10.7 -1.0
EIL	Elat	13.16 118	Pn	Pn	05 45 09.5 -2.2
EIL	comp=Z,1.9nm,0.3s,baz=294,slow=2,SNR=11	Sn	Sn	05 47 22.7	-14
VRAC	Vranov	13.16 345	P	Pn	05 45 10.7 -0.9
VRAC	Vranov	13.16 345	ePn	Pn	05 45 09.9 -1.9
VRAC	Vranov	13.16 345	Pn	Pn	05 45 09.8 -1.8
VRAC	comp=Z,0.1nm,0.3s,baz=179,slow=13,SNR=9.7	Lg	Lg	05 49 13.1	
VRAC	comp=Z,0.1nm,0.3s,baz=118,slow=15,SNR=1.0	Lg	LR	05 51 43.2	
VRAC	comp=Z,4.1m,18.3s,baz=168,slow=44	LR	LR	05 51 43.2	
AQBJ	Aqaba	13.20 118	P	Pn	05 45 10.4 -1.8
MOTA	Moosalm	13.20 327	eP	Pn	05 45 13.1 +0.5
LVV	L'vov	13.28 7	eS	Pn	05 45 14.8 +1.7
LVV			eS	Sn	05 47 45.6 +6.2
LVV	comp=E,600nm,14.0s	MLR	MLR		
LVV	comp=N,1.1m,15.0s	MLR	MLR		
LVV	comp=Z,1.1m,15.0s	MLR	MLR		
DAVOX	Davos/Dischmat	13.37 323	Pn	Pn	05 45 15.1 +0.5
DAVOX	baz=151,slow=17	Sn	Sn	05 47 31.3	-11
DAVOX	comp=Z,3.2nm,0.3s,baz=313,slow=18,SNR=5.8	Lg	Lg	05 49 27.1	
DAVOX	baz=88,slow=18,SNR=0.5	LR	LR	05 51 09.5	
ASF	comp=Z,7.776nm,21.1s,baz=118,slow=41	LR	LR	05 45 10.5 +0.7	
ASF	Jabal al Asfar	13.39 105	Pn	Pn	05 45 12.4 -2.5
ASF	comp=Z,2.2nm,0.7s	Sn	Sn	05 47 36.6 -5.9	
ASF	comp=Z,0.8nm,0.3s,baz=120,slow=23,SNR=1.3	Sn	Sn	05 47 36.6 -5.9	
TREC	Trest	13.40 342	AMS	AMS	05 51 10.0
TREC	comp=Z,6.1m,12.8s	P	P	05 45 15.6 +0.8	
TREC	comp=Z,2.8nm,1.1s	pmx	pmx		
OKC	Ostrava-Krasne	13.41 350	eP	Pn	05 45 15.3 +0.3
OKC	comp=Z,3.1m,15.3s	ex	x	05 45 25.8	
OKC	Ostrava-Krasne	13.41 350	eP	Pn	05 45 15.3 +0.3
OKC	comp=Z,3.1m,15.3s	MLR	MLR		
TUE	Stuetta	13.42 321	ePn	P	05 45 23.5 -0.8
MORC	Moravsky Berou	13.44 349	ePn	Pn	05 45 14.4 -1.0
MORC	Moravsky Berou	13.44 349	P	Pn	05 45 15.9 +0.4
MORC	Moravsky Berou	13.44 349	P	Pn	05 45 14.4 -1.0
MORC	Moravsky Berou	13.44 349	ePn	Pn	05 45 14.5 -1.0
RETA	Reutte	13.48 327	ePn	Pn	05 45 17.8 +1.9
RETA	comp=Z,1.8nm,0.4s	Sn	Sn	05 47 37.4 -7.1	
GEAO	GERESS Array S	13.48 337	ePn	Pn	05 45 13.7 -2.3
GECC	GERESS Array S	13.49 337	ePn	Pn	05 45 16.3 +0.2
GECC	GERESS Array S	13.49 337	ePn	Pn	05 45 16.3 +0.2
GERES	GERESS Array B	13.49 337	Pn	Pn	05 45 14.7 -1.4
GERES	comp=Z,0.8nm,0.3s,baz=159,slow=14,SNR=20	Sn	Sn	05 47 36.5 -8.2	
GERES	comp=Z,2.2nm,0.3s,baz=152,slow=23,SNR=11	Lg	Lg	05 49 16.8	
GERES	baz=158,slow=21,SNR=1.6	LR	LR	05 51 42.3	
GERES	comp=Z,6.1m,18.7s,baz=142,slow=43	ScP	ScP	05 54 11.6 -1.1	
OJC	Ojcow	13.62 355	eP	Pn	05 45 19.2 +1.3
OJC	comp=Z,0.1nm,0.3s,baz=160,slow=3.1,SNR=6.2	Sn	Sn	05 49 19.1 +6.9	
OJC	Ojcow	13.62 355	ePn	Pn	05 45 18.8 +0.9
OJC	Ojcow	13.62 355	ePn	Pn	05 45 19.2 +1.3
DAVA	Damuels	13.73 324	ePn	Pn	05 45 21.4 +1.9
DAVA	comp=Z,2.9nm,0.4s,SNR=9.4	Sn	Sn	05 47 39.9 -1.1	
URFA	Urfa	13.77 82	eP	Pn	05 45 20.8 +0.7
KHC	Kasperske Hory	13.78 337	ePn	Pn	05 45 18.1 -1.9
KHC	Kasperske Hory	13.78 337	eP	Pn	05 45 17.9 -2.1
KHC	comp=Z,6.1m,16.0s	ex	x	05 47 42.2 -1.0	
KHC	Kasperske Hory	13.78 337	eP	Pn	05 45 18.1 -1.9
KHC	Furstenfeldbru	13.79 330	P	Pn	05 45 24.1 +3.9
KHC	comp=Z,5.2nm,1.1s	pmx	pmx		
KRLC	Kraliky	13.86 347	eP	Pn	05 45 23.6 +2.4
KRLC	comp=Z,2.4m,13.4s	ex	x	05 45 31.0	
KRLC	Kraliky	13.86 347	eP	Pn	05 45 23.6 +2.4
MAHO	Mahon	14.00 289	eS	Sn	05 47 43.0 -1.4
BNI	Bardonecchia	14.06 311	ePn	Pn	05 45 29.4 -2.0
BNI	Bardonecchia	14.06 311	eP	Pn	05 45 29.4 -2.0
GOPC	GO Pecny, Ondr	14.14 342	eP	Pn	05 45 23.2 -1.8
GOPC	comp=Z,4.1m,14.6s	ex	x	05 45 33.6	
GOPC	GO Pecny, Ondr	14.14 342	eP	Pn	05 45 23.2 -1.8
GOPC	comp=Z,4.1m,14.6s	AMS	AMS	05 51 40.0	
DPC	Dobruska-Polom	14.21 346	eP	Pn	05 45 25.2 -0.7
DPC	comp=Z,3.1m,16.6s	ex	x	05 45 31.9	
DPC	Dobruska-Polom	14.21 346	eP	Pn	05 45 25.2 -0.7
DPC	comp=Z,3.1m,16.6s	AMS	AMS	05 52 00.0	
LPL	La Plagne	14.27 313	eP	P	05 45 31.4 -2.4
LPL	comp=Z,19nm,1.3s	pmx	pmx		
PRU	Pruhonic	14.28 341	eP	Pn	05 45 26.0 -0.8
PRU	comp=Z,4.1m,14.6s	ex	x	05 45 34.2	
PRU	Pruhonic	14.28 341	eP	Pn	05 45 26.0 -0.8
PRU	comp=Z,4.1m,14.6s	AMS	AMS	05 51 50.0	
PRU	Pruhonic	14.28 341	eS	Sn	05 45 26.0 -0.8
PRU	Pruhonic	14.28 341	eS	Sn	05 48 02.3 -1.5
UPC	Udice	14.42 346	eP	Pn	05 45 28.5 -0.3
UPC	comp=Z,4.1m,15.0s	ex	x	05 45 36.7	
UPC	Udice	14.42 346	eP	Pn	05 45 28.5 -0.3
UPC	comp=Z,4.1m,15.0s	AMS	AMS	05 52 10.0	
SEIN	Lac Senin/Sane	14.44 317	ePn	Pn	05 45 31.4 +2.2
ORIF	Oris-en-Rattie	14.48 310	eP	Pn	05 45 35.6 -0.4
ORIF	comp=Z,8.0nm,0.8s	pmx	pmx		
ANN	Anapa	14.48 51	eP	Pn	05 45 34.1 -1.7
ANN	comp=Z,2.41nm,1.1s	eS	Sn	05 48 17.1 +8.3	
ANN	Anapa	14.48 51	eP	Pn	05 45 34.1 -1.7
ANN	comp=Z,2.41nm,1.1s	pmx	pmx		
ERZN	Erzincan	14.56 73	eP	P	05 45 34.7 -2.2
KSP	Ksiaz	14.69 347	eS	Sn	05 45 39.6 +1.5
KSP	Ksiaz	14.69 347	eS	Sn	05 49 49.3 +7.7
SLE	Schleithem	14.73 323	P	P	05 45 37.6 -1.1
SLE	comp=Z,4.6nm,0.9s	pmx	pmx		
PVCC	Panska Ves	14.77 342	eP	Pn	05 45 33.7 +0.3
PVCC	comp=Z,4.1m,12.5s	AMS	AMS	05 52 00.0	
PVCC	Panska Ves	14.77 342	eP	Pn	05 45 33.7 +0.3
PVCC	comp=Z,4.1m,12.5s	MLR	MLR		
KTUT	Trabzon	14.80 67	eP	P	05 45 38.6 -0.8
AK11	Malin Array Si	15.03 19	ePn	Pn	05 45 34.3 -2.7
GRA1	Grafenberg Arr	15.05 333	ePn	Pn	05 45 40.9 -1.3
GRA1	comp=Z,8.9nm,1.1s	P	P	05 45 43.5 +1.3	
GRF	Grafenberg Arr	15.05 333	P	P	05 45 41.0 -1.2
GRFO	Grafenberg	15.05 333	ePn	Pn	05 45 41.0 -1.2
KIEV	Kiev	15.06 19	ePn	Pn	05 45 35.3 -2.0
KIEV	comp=Z,3.0nm,0.9s	Pn	Pn		

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KIEV	Kiev	15.06 19	P	Pn	05 45 35.4 -2.0
KIEV	Kiev	15.06 19	/P	Pn	05 45 35.0 -2.3
MAZI	Mazidag	15.07 81	eP	Pn	05 45 39.0 +1.4
AKAS	Malin Array Be	15.07 19	Pn	Pn	05 45 35.3 -2.2
AKAS	comp=Z,3.1nm,0.3s,baz=207,slow=12,SNR=29.3	Sn	Sn	05 48 32.6 +1.0	
AKASG	baz=199,slow=23,SNR=4.2	Lg	Lg	05 50 04.4	
AKASG	comp=Z,0.4nm,0.3s,baz=211,slow=14,SNR=2.4	LR	LR	05 52 24.4	
AKASG	comp=Z,9.43nm,18.7s,baz=205,slow=42	LR	LR	05 52 24.4	
AKBB	Malin Array Si	15.07 19	ePn	Pn	05 45 35.4 -2.1
AKBB	comp=Z,3.4nm,0.9s	Pn	Pn		
AKBB	Malin Array Si	15.07 19	ePn	Pn	05 45 35.4 -2.1
AKBB	comp=Z,3.4nm,0.9s	pmx	pmx		
NKC	Novy Kostel	15.10 337	eP	P	05 45 41.1 -1.6
NKC	comp=Z,5.1m,14.6s	AMS	AMS	05 52 20.0	
NKC	Novy Kostel	15.10 337	eP	P	05 45 41.1 -1.6
NKC	comp=Z,5.1m,14.6s	MLR	MLR		
STU	Stuttgart	15.14 327	ePn	Pn	05 45 38.4 0.0
STU	comp=Z,2.3nm,1.1s	Pn	Pn		
STU	Stuttgart	15.14 327	eP	Pn	05 45 38.4 0.0
STU	comp=Z,2.3nm,1.1s	pmx	pmx		
BEL	Beisk	15.19 358	eP	P	05 45 45.4 +1.7
BEL	Beisk	15.19 358	eP	P	05 45 45.4 +1.7
VIVF	Saint-Julien-I	15.21 308	eP	P	05 45 41.8 -2.2
VIVF	comp=Z,1.1nm,1.3s	pmx	pmx		
BFO	Black Forest	15.21 324	ePn	Pn	05 45 41.2 +1.9
BFO	comp=Z,2.3nm,1.0s	Pn	Pn		
BFO	Black Forest	15.21 324	eP	Pn	05 45 41.2 +1.9
BFO	comp=Z,2.3nm,1.0s	pmx	pmx		
BRG	Berggiesshubel	15.24 341	eP	Pn	05 45 36.3 -3.4
BRG	comp=Z,4.1nm,1.4s	iPP	P	05 45 46.0 +1.7	
BRG	Berggiesshubel	15.24 341	eP	Pn	05 45 36.3 -3.4
BRG	comp=Z,4.0nm,1.4s	pmx	pmx		
BRG	comp=Z,4.0nm,1.4s	MLR	MLR		
BRG	comp=N,3.1m,12.3s	MLR	MLR		
BRG	comp=E,2.1m,16.1s	MLR	MLR		
BRG	comp=Z,5.1m,11.9s	MLR	MLR		
BNGB	Bingli	15.25 75	eP	P	05 45 43.3 -1.3
SOC	Sochi	15.47 58	eP	Pn	05 45 41.8 -0.9
SOC	comp=Z,5.6nm,0.8s	e	P	05 48 34.2	
SOC	comp=Z,5.6nm,0.8s	MLR	MLR		
SSB	Saint Sauveur	15.48 309	ePn	P	05 45 52.3 +5.3
SSB	comp=Z,2.3nm,1.8s	Pn	Pn		
ECH	Echery	15.69 322	ePn	Pn	05 45 47.3 +1.7
ECH	comp=Z,5.9nm,1.3s	Pn	Pn		
ECH	Echery	15.69 322	eP	Pn	05 45 47.3 +1.7
ECH	comp=Z,5.9nm,1.3s	pmx	pmx		
CLL	Collim	15.89 340	ePn	Pn	05 45 47.7 -0.4
CLL	comp=Z,4.1nm,1.2s	Pn	Pn		
CLL	Collim	15.89 340	eP	Pn	05 45 48.0 -0.1
CLL	comp=Z,4.1nm,1.2s	i	P	05 45 51.4	
CLL	comp=Z,4.7nm,1.3s	iPP	P	05 45 58.5 -1.3	
CLL	comp=Z,4.7nm,1.3s	eS	Sn	05 46 25.0	
CLL	comp=Z,4.7nm,1.3s	eS	Sn	05 47 07.0	
CLL	comp=Z,4.7nm,1.3s	ex	x	05 52 00.0	
CLL	Collim	15.89 340	eP	Pn	05 45 47.7 -0.4
CLL	comp=Z,4.1nm,1.2s	pmx	pmx		
KOPR	Koprukoy-ERZUR	16.23 72	eP	Pn	05 45 54.4 +1.7
BORCA	Borcka	16.26 67	eP	Pn	05 45 52.9 0.0
MTLF	Montioleu	16.27 300	eP	P	05 45 58.1 +2.3
MTLF	comp=Z,4.4nm,2.0s	pmx	pmx		
TNS	Taus Mts	16.65 329	P	P	05 45 59.5 +0.6
SIRT	Sirnak	16.65 81	eP	Pn	05 45 59.1 +1.1
SIRT	Sirnak	16.65 81	eP		



17d 5h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like LSZ Lusaka, DANN Dangsing, KOLN Koldana, etc.

2013 FEB

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like HHC comp=N,300nm,17.3s, MA2 Magadan, etc.

1336

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like MA2 Magadan, F44A Big Bay de Noc, etc.





17d 6h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, H m s, ISC. Includes stations like RABL Rabaul, MANU Manus Island, DZM Mont Dzumac, etc.

ISCJB 17 06:07:27.9.0.4, 2.42S:0.06:98.15W:0.08, h10km, mb4.5/59, Error ellipse: s-maj=12.7km s-min=7.8km

IDC 17 06:07:28.6.0.7, 2.36S:98.17W, h0km, mb3.6/214, mb1.4/415, mb1mx4.2/32, mbtmp4.215, ML3.6/1, Error ellipse: s-maj=23.8km s-min=14.8km az=55.0

NEIC 17 06:07:29.3.0.2, 2.47S:98.16W, h10km, mb4.5/50, Error ellipse: s-maj=7.8km s-min=4.8km az=67.0

ISC 17 06:07:29.6.0.5, 2.42S:0.09:98.2W:0.11, h10km, n91, o678/95, mb4.5/59, Southwest of Galapagos Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, H m s, ISC. Includes stations like APG El Apazote, H06E1 SOCORRO T-PHASE, etc.

2013 FEB

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, H m s, ISC. Includes stations like WHTX Lake Whitney, MNTX Cornudas Mount, LVC Linn Verde, etc.

IDC 17 06:17:37.2.21.0, 22.48S:179.17W, h453km, 195km, mb3.1/6, mb1.3/2.6, mb1mx3.0/26, mbtmp4.0/6, Error ellipse: s-maj=219.0km s-min=42.5km az=52.0, South of Fiji Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, H m s, ISC. Includes stations like RPZ Rata Peaks, CTA Charters Tower, etc.

ISCJB 17 06:36:23.1.0.6, 43.45N:0.04:146.82E:0.06, h52km, 4km, mb3.9/28, Error ellipse: s-maj=8.9km s-min=5.4km

1338

MOS 17 06:36:23.4.1.0, 43.47N:146.78E, h54km, mb4.4/6, Error ellipse: s-maj=10.9km s-min=7.1km az=105.3

MOS Felt (III) at Malokuril'skoje. SKHL 17 06:36:23.3.0.5, 43.48N:146.94E, h55km, 5km, mb5.1/8

SKHL Felt (III) at Malokuril'skoje. IDC 17 06:36:27.4.2.5, 43.49N:146.71E, h75km, 21km, mb3.6/22, mb1.3/8/26, mb1mx3.7/48, mbtmp3.9/26, Error ellipse: s-maj=18.3km s-min=13.2km az=162.0

ISC 17 06:36:23.3.0.9, 43.40N:0.06:146.87E:0.05, h41km, 7km, n93, r1930/108, mb4.0/28, 6C-11D, Kuril Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, H m s, ISC. Includes stations like SHO Shikotan, NEM2 Nemuro 2, YUK Yuzh-Kuril'sk, etc.

ISCJB 17 06:36:23.1.0.6, 43.45N:0.04:146.82E:0.06, h52km, 4km, mb3.9/28, Error ellipse: s-maj=8.9km s-min=5.4km



17d 8h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like SONM Songino Array, WRA Warrungarra Arr, MKAR Makanchi Array, etc.

NNC 17 08:11:47.3-9.1, 42.40N:83.02E, h0km, mb2.8, mpv2.5, Error ellipse: s-maj=70.0km s-min=33.4km az=149.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like KTMS Ketmen, PDGK Podgornoye, UZB Uzynbulak, etc.

IDC 17 08:18:49.2-0.8, 41.30N:71.69E, h0km, mb3.5/10, mb1.3/7/17, mb1mx3.5/5.5, mbmp3.5/17, ML3.3/7, Error ellipse: s-maj=14.4km s-min=9.4km az=159.0

KRNET 17 08:18:51.6-0.1, 41.41N:71.83E, h14km, mb3.9, MOS 17 08:18:51.0-2.1, 41.41N:71.58E, h14km, mb4.2/3, Error ellipse: s-maj=11.2km s-min=7.4km az=85.1

SOME 17 08:18:52.1, 41.38N:71.80E, h10km, NNC 17 08:18:52.3, 19.41-45N:71.74E, h9km, 16km, mb4.4, mpv4.1, Error ellipse: s-maj=11.5km s-min=9.8km az=94.0

ISC 17 08:18:50.9-1.0, 41.38N:0.02-71.89E, 0.02, h13km, 7km, n118, s194/172, mb3.6/10, 42C-29D, Kyrgystan

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like ARK Arkit, ARS Arslanbob, MNAS Manas, etc.

2013 FEB

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like UCH Uchtor, AAK Ala-Archa, FRU1 Bishkek, etc.

1340

Large table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Includes stations like KOTS Kotyrbulak, TARG Taragay, CHKK Chushkaly, etc.

NNC 17 08:29:58.9-2.3, 37.88N:71.23E, h0km, mb3.7, mpv3.3,



17d 10h

comp=Z.60nm,19.8s,baz=176,slo=32
ILAR Eielson Array 84.90 19 P
0.8nm,1.1s,baz=230,slo=7.0,SNR=5.5

KURBB Kurchatov Arra 95.67 320 P
0.3nm,0.4s,baz=91,slo=6.4,SNR=4.8

IDC 17 09:14:51.9;2.6,54:10N:86:38E,h0km,mb1 2.8/2,
mb1mx2.7/4.0,mbtmp2.8/2,ML2.4/2, Error ellipse:
s-maj=19.3km s-min=12.2km az=65.0, Southeastern
Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Rows include ZALESOVO INFRA, ZALV Zalesovo Beam, KURBB Kurchatov Arra, MKAR Makanchi Array, etc.

IDC 17 09:30:02.2;1.0,6:17S:142:97E,h0km,mb4 1/10,
mb1 4.4/14,mb1mx4.3/25,mbtmp4.2/14,ML4.4/4,MS3.3/5,
Ms1 3.3/5,ms1mx3.0/19, Error ellipse: s-maj=31.9km
s-min=16.4km az=94.0

ISCJB 17 09:30:07.0;0.3,6:16S:0:04:142:57E:0.06,h33km,
mb4 3/23,MS3.2/2, Error ellipse: s-maj=8.2km
s-min=5.1km az=12.7

NEIC 17 09:30:09.6;1.0,6:13S:142:56E,h41km,10km,mb4 4/20,
Error ellipse: s-maj=11.1km s-min=7.3km az=97.0

ISC 17 09:30:08.8;0.5,6:27S:0:05:142:60E:0.07,h35km,n53,
a:192/53,mb4.3/23,New Guinea

Main table for 17d 10h section, listing station codes, names, coordinates, and observation times. Includes stations like JAY Jayapura, MANU Manus Island, COEN Coen, etc.

ISCJB 17 09:31:28.4;0.4,26:06N:0:08:44:85W,0.07,h12km,
mb4.2/27,MS3.4/17, Error ellipse: s-maj=12.3km
s-min=8.7km az=7.9

IDC 17 09:31:28.5;0.8,26:17N:44:84W,h0km,mb4 0/18,
mb1 4.1/18,mb1mx4.0/40,mbtmp4.0/18,MS3.4/17,
Ms1 3.4/17,ms1mx3.3/34, Error ellipse: s-maj=24.3km

2013 FEB

s-min=16.0km az=3.0
NEIC 17 09:31:29.9;0.3,26:06N:44:85W,h10km,mb4.5/10, Error
ellipse: s-maj=10.3km s-min=7.4km az=184.0

ISC 17 09:31:30.2;0.6,26:0N:0:1:44:85W,0.09,h12km,n55,
a:190/42,mb4.3/27,MS3.4/17,Northern Mid-Atlantic
Ridge

Main table for 2013 FEB section, listing station codes, names, coordinates, and observation times. Includes stations like SJG San Juan, MDP Montagnes des, BATG Bathurst New B, etc.

TIF 17 09:47:35.4;4.1,53N:47:25E,h45km,1km
MOS 17 09:47:36.7;0.0,41:30N:46:95E,h9km,MPVA3.3
ISCJB 17 09:47:37.0;1.3,41:25N:0:07:46:93E,0.06,h7km,12km,
Error ellipse: s-maj=10.3km s-min=5.9km az=25.2

NORS 17 09:47:37.4;0.0,41:39N:47:09E,h1km,MPVA3.0
DRS 17 09:47:38.0;0.1,41:48N:47:09E,h5km
ISC 17 09:47:37.2;1.9,41:28N:0:07:46:96E,0.03,h6km,13km,
n12,c131/23,Eastern Caucasus

Table for Eastern Caucasus region, listing station codes, names, coordinates, and observation times. Includes stations like AKT Akhty, DDFL Defoliostskaro, etc.

1342

MEX 17 09:57:53.2;0.5,16:33N:98:24W,h12km,2km,MD3.6,
Near coast of Guerrero

Table for MEX region, listing station codes, names, coordinates, and observation times. Includes stations like PNIG Pinotepa, VHO Vista Hermosa, etc.

IDC 17 09:59:36.9;1.4,25:48S:176:52W,h0km,mb4.2/5,
mb1 4.3/5,mb1mx3.9/37,mbtmp4.2/5,MS3.1/3,Ms1 3.1/3,
ms1mx2.8/36, Error ellipse: s-maj=56.6km s-min=34.1km
az=172.0

ISCJB 17 09:59:40.3;0.7,25:28S:0:09:176:5W,0.1,h36km,
mb4.4/16,MS3.2/2, Error ellipse: s-maj=15.3km
s-min=10.0km az=30.9

NEIC 17 09:59:42.3;1.5,25:33S:176:45W,h40km,14km,ML2.4/11,
Error ellipse: s-maj=17.2km s-min=10.8km az=136.0

ISC 17 09:59:42.1;0.6,25:45O:0:1:176:4W,0.1,h36km,n45,
a:130/36,mb4.3/16,South of Fiji Islands

Main table for 1342 section, listing station codes, names, coordinates, and observation times. Includes stations like RAO Raoul Island, NIUE Niue, etc.

IDC 17 10:03:27.3;10.0,10:79S:167:25E,h0km,mb3.5/4,
mb1 3.5/4,mb1mx3.4/45,mbtmp3.5/4, Error ellipse:
s-maj=303.8km s-min=38.5km az=122.0,Santa Cruz
Islands

Table for Santa Cruz Islands region, listing station codes, names, coordinates, and observation times. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, etc.

IDC 17 10:11:24.7;1.2,1:34S:130:20E,h0km,mb3.5/3,
mb1 3.5/4,mb1mx3.4/37,mbtmp3.4/4,ML3.4/1, Error
ellipse: s-maj=22.5km s-min=13.5km az=157.0,Irian
Jaya region

Table for Irian Jaya region, listing station codes, names, coordinates, and observation times. Includes stations like SIJU Sorong, WRA Warramunga Arr, etc.

IDC 17 10:23:33.1;1.4,4:32S:151:92E,h0km,mb3.5/5,
mb1 3.8/7,mb1mx3.6/38,mbtmp3.8/7,ML4.5/2, Error
ellipse: s-maj=34.6km s-min=23.8km az=96.0,New
Britain region

Table for New Britain region, listing station codes, names, coordinates, and observation times. Includes stations like HNR Honiara, JAY Jayapura, etc.













Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like COLA College, EYAK Cordova Ski Ar, KLU Klutina, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like CMB Columbia Colle, BMO Blue Mountains, PNTR Pine Nut, etc.

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like ANMO Albuquerque, BR101 Keskin Array S, BRTR Keskin Array B, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like WPRZ, ALRZ, RAHZ, LBZ, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, etc. Includes stations like BIA, NEST, KZN, etc.

Table with columns: PLG, Name, Frequency, Mode, Power, Azimuth, Elevation, SNR, etc. Includes stations like Polygyros, Krupnik, Fytoko, Volos, etc.

BEQ 17 12:06:47.8,0.6,40.78N:21.56E, h0km,4km, ML3.3/13
SOF 17 12:06:47.1,40.75N:21.39E, h2km
SKO 17 12:06:47.3,40.78N:21.39E, h21km, M3.2,ML3.7
ATH 17 12:06:47.6,40.77N:21.40E, h18km,1km, ML3.4/34, Error ellipse: s-maj=1.4km s-min=0.7km az=144.0

ISCJB 17 12:06:47.2,0.3,40.78N:01.21.41E:0.02, h0km,2km, mb3.5/8, Error ellipse: s-maj=2.2km s-min=1.6km az=150.2
TIR 17 12:06:47.2,40.82N:21.32E, h2km, M3.7/5
PDG 17 12:06:48.3,0.6,40.79N:21.43E, h0km,1km, ML3.6/10, Error ellipse: s-maj=0.6km s-min=0.8km az=0.0

VLS Valsamata 2.66 194 P Pn 12 07 31.5 +0.1
MRKA Marketa 2.67 140 P Pn 12 07 28.5 +1.4
TRAZ Trapeza 2.67 166 P Pn 12 07 32.6 +1.0
RZN Rozhen 2.67 69 P Pn 12 07 32.2 +0.4
ZAPS Zavoj 2.67 20 ePn Pn 12 07 32.0 +0.0













17d 15h

0.6m, 0.5s, baz=107, slow=11, SNR=3.4

MAN 17 14:27:24.2, 6.47N, 123.52E, h2km, MS4.2
IDC 17 14:27:27.0, 1.0, 6.28N, 123.66E, h0km, mb3.6/5,
mb1 3.6/6, mb1mx3.5/46, mbtmp3.7/6, ML3.0/1, MS3.3/1,
MS1 3.3/1, ms1mx2.6/39, Error ellipse: s-maj=26.1km
s-min=19.7km az=47.0

ISIC 17 14:27:29.1, 1.0, 6.62N, 105.123.64E, 0.04, h21km, 4km,
n17, 0.557/24, 6C-4D, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CTBH, SKMP, PAGZ, etc.

IDC 17 14:38:50.1, 2.6, 84.28S, 69.62W, h0km, mb3.7/2,
mb1 3.7/3, mb1mx3.5/26, mbtmp3.5/3, ML3.4/1, Error
ellipse: s-maj=79.6km s-min=56.6km az=55.0
ISICJB 17 14:39:04.8, 0.0, 2.31S, 0.04, 69.36W, 0.07, h88km, 6km,
mb3.4/2, Error ellipse: s-maj=11.2km s-min=5.7km
az=13.8

GUC 17 14:39:04.6, 0.2, 63.62S, 69.34W, h79km, 4km, ML3.7
ISIC 17 14:39:05.2, 1.0, 23.61S, 0.04, 69.35W, 0.07, h81km, 8km,
n17, 0.557/24, 6C-4D, Northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PB15, PB06, LVC, etc.

IDC 17 14:40:45.1, 4.3, 18.01N, 147.49E, h215km, 47km, mb3.0/3,
mb1 3.4/4, mb1mx2.8/53, mbtmp3.7/4, Error ellipse:
s-maj=251.3km s-min=22.7km az=112.0, Mariana
Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GUMO, WRA, ASAR, etc.

IDC 17 14:49:39.3, 8.6, 23.84S, 179.59W, h436km, 83km, mb3.3/4,
mb1 3.4/5, mb1mx3.1/29, mbtmp4.2/5, Error ellipse:
s-maj=83.6km s-min=36.7km az=38.0

ISIC 17 14:49:43.8, 2.1, 24.05S, 117.94W, 0.43, h512km, n7,
r1516/9, mb3.6/4, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like URZ, CTA, STKA, etc.

MEX 17 15:02:17.1, 0.7, 14.96N, 93.52W, h16km, 183km, MD3.8,
Near coast of Chiapas

2013 FEB

Code Station Name Az Az' Phase ID Time Res ISC h m s ISC
PCIG Torodi Ar. Bea 0.80 22 eP Op 15 02 29.7 -2.9
PCIG Torodi Ar. Bea 1.62 124 Pn 15 02 39.9 -3.6
CCIG Comitan 1.87 45 eS Sb 15 02 48.0 -0.7

IDC 17 15:00:9.0, 4.7, 8.7N, 95.67E, h0km, mb4.0/15,
mb1 4.0/17, mb1mx3.9/14, mbtmp3.9/17, ML4.0/2, MS3.3/7,
MS1 3.4/7, ms1mx3.1/43, Error ellipse: s-maj=28.6km
s-min=13.7km az=47.0
DJA 17 15:01:1.8, 1.3, 5.1N, 9.9.6E, h10km, M4.9/7, mb4.9/1,
MB5.0/1, MLV4.9/7, Mw(mB)4.3/1
NEIC 17 15:01.9, 4.3, 4.92N, 95.79E, h7km, 27km, mb4.4/4,
Error ellipse: s-maj=13.9km s-min=6.7km az=60.0
ISICJB 17 15:03.8, 0.4, 4.97N, 0.05, 95.76E, 0.06, h29km,
mb4.1/21, MS3.5/7, Error ellipse: s-maj=10.0km
s-min=4.9km az=140.1

ISIC 17 15:05.0, 5.0, 4.97N, 105.95.82E, 0.06, h29km, n48,
r146/48, mb4.1/21, MS3.5/7, 1.0, Northern Sumatra

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LHMI, KCSI, SNSI, etc.

SHL Shilling 20.83 350 eP Pn 15 19 44.0 -1.1
HYB Hyderabad 20.95 308 eP Pn 15 19 48.0 -0.9
KMI Kuming 21.11 18 pP Pn 15 19 53.1 -3.2

H0S82 Diego Garcia B 26.43 242 T T 15 47 49.9
H0S83 Diego Garcia H 26.43 242 T T 15 47 51.4
H0S81 Diego Garcia H 26.45 242 T T 15 47 55.8

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like LZH, GTA, WSA, etc.

ASAR Alice Springs 46.79 129 P P 15 23 32.5 -0.3
AS31 Alice Springs 46.79 129 eP P 15 23 32.2 -0.3
AS01 Alice Springs 46.79 129 eP P 15 23 32.8 -0.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GUYT, ZALV, BVAR, etc.

ISICJB 17 15:19:23.0, 0.9, 22.82N, 0.09, 122.0W, 0.1, h10km,
mb3.6/10, MS3.0/1, Error ellipse: s-maj=20.1km
s-min=9.5km az=147.8

IDC 17 15:19:29.1, 1.2, 22.91N, 12.27W, h0km, mb3.6/10,
mb1 3.8/12, mb1mx3.7/40, mbtmp3.6/12, ML4.1/2, MS3.0/1,
MS1 3.0/1, ms1mx2.4/31, Error ellipse: s-maj=29.9km
s-min=26.2km az=138.0

ISIC 17 15:19:24.1, 1.0, 22.82N, 0.1, 12.12W, 0.2, h10km, n17,
r1516/9, mb3.8/10, Maritania

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MOMR, MOMR.

1354

MDT Middelt 12.00 32 Lg Lg 15 25 39.0
TORO Torodi Ar. Bea 16.22 124 Pn Pn 15 23 11.1 -1.1
TORO Torodi Ar. Bea 16.22 124 Pn Pn 15 23 11.1 -1.1

ISICJB 17 15:33:00, 40.00N, 143.90E, h8km, Mw3.8 Best double
couple: M4.91000x1014 N1.151.00000, 856.00000, 7.141.00000,
7.141.00000 N1.20165.00000, 858.00000, 7.141.00000.
ISICJB 17 15:33:04, 9.0, 0.5, 40.00N, 143.03E, 0.04, h16km,
mb3.6/16, Error ellipse: s-maj=5.4km s-min=3.3km
az=35.7

JMA 17 15:33:07.0, 0.2, 40.00N, 143.89E, h23km, M3.8
IDC 17 15:33:08.5, 6.0, 39.94N, 144.03E, h29km, 43km, mb3.4/16,
mb1 3.6/22, mb1mx3.5/39, mbtmp3.6/22, ML3.0/5, MS2.7/3,
MS1 2.7/3, ms1mx2.5/27, Error ellipse: s-maj=20.9km
s-min=14.4km az=110.0

ISIC 17 15:33:06.1, 0.7, 39.96N, 105.144.06E, 0.06, h16km, n45,
r155/61, mb3.6/16, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JTH, MIYJ, MIYJ, etc.

JTH Tanohata 1.69 270 P Pn 15 33 37.1 -1.3
MIYJ Miyajima 1.77 258 P Pn 15 33 35.6 -0.5
MIYJ Miyajima 1.77 258 eS Sn 15 33 56.8 -1.5

KUJ Kujedanmarisaw 1.82 279 P Pn 15 33 35.6 -1.2
JANG Nango 2.10 283 P Pn 15 34 21.1 -2.6
JANG Nango 2.10 283 eS Sn 15 34 21.1 -2.6

JTM Okhama 2.19 258 P Pn 15 33 42.1 -0.2
JMK Ichinoseki 2.42 246 P S 15 33 44.9 -0.1
JMK Ichinoseki 2.42 246 S S 15 34 12.1 -2.1

JTM Tenkabayashi 2.43 291 P S 15 33 44.9 -0.3
JTB Ichinoseki 2.43 291 S S 15 34 29.2 -1.5
JNBK Urakawa-nobuka 2.52 337 P S 15 33 46.1 -0.3

JAH Hinai 2.64 276 P S 15 34 16.6 -0.2
JAH Hinai 2.64 276 eS Sn 15 34 48.4 +0.4
JOT Ohata 2.70 303 P Pn 15 34 19.3 -0.4

JOT Rokugo 2.71 259 P Pn 15 33 48.6 +0.7
JRG JRG 2.71 259 eS Sn 15 34 21.4 +0.1
JCH Churui 2.71 349 P Pn 15 33 48.6 -0.3

JKB Kayabe 3.00 311 P Pn 15 34 19.2 -2.1
JKB Kayabe 3.00 311 eS Sn 15 33 52.7 -0.2
JYK Kaneyama 3.05 251 P S 15 34 26.3 -1.0

JYK Kaneyama 3.05 251 eS Sn 15 33 54.2 +0.5
JAK Akkeshi 3.07 9 P S 15 33 53.3 -0.7
JAK Akkeshi 3.07 9 S S 15 34 27.8 -2.6

JOU Okura 3.08 240 P S 15 33 54.4 +0.2
JOU Okura 3.08 240 S S 15 34 29.2 -1.5
JAR Ashorobuto 3.34 356 P S 15 33 56.4 -1.3

JAR Ashorobuto 3.34 356 eS Sn 15 34 33.4 -3.7
JFR Furan 3.39 341 P Pn 15 33 58.9 +0.6
JEW Eniwo 3.49 327 P Pn 15 34 00.3 +0.6

JEW Eniwo 3.49 327 eS Sn 15 34 39.5 -1.1
NEM2 Nemuro 2. 3.63 20 S S 15 34 05.1 -1.5
NEM2 Nemuro 2. 3.63 20 S S 15 34 40.1 -4.0

JFT Otama 3.80 231 P S 15 34 03.9 -0.1
ASAJ Asahikawa 4.30 346 Pn Pn 15 34 11.1 +0.8
ASAJ Asahikawa 4.30 346 S S 15 34 11.1 +0.8

ISICJB 17 15:38:17.7, 0.7, 67.58N, 0.04, 142.9E, 0.2, h10km,
mb3.4/8, Error ellipse: s-maj=9.2km s-min=5.8km az=22.2
YARS 17 15:38:18.8, 67.58N, 142.83E, h10km
IDC 17 15:38:19.8, 1.0, 67.40N, 142.22E, h0km, mb3.4/7,
mb1 3.6/8, mb1mx3.3/40, mbtmp3.4/8, ML2.4/1, Error
ellipse: s-maj=29.0km s-min=16.2km az=25.0
ISIC 17 15:38:20.4, 0.7, 67.48N, 0.04, 142.74E, 0.08, h10km, n12,
r1579/24, mb3.4/8, Eastern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MOMR, MOMR.



















17d 18h

Table with columns: LPSR, Galich ya Gora, 137.05 328, ePKIKP, PKPpdf, 17 50 10.9 -1.0, etc. Lists various satellite stations and their parameters.

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Table with columns: PVCC, SECR, VOIR, DRGR, PRU, Pruhonic, 148.39 327, ePKPAB, PKPab, 17 50 31.3 +0.3, etc. Lists various satellite stations and their parameters.

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Table with columns: IDC 17:17:46:22.8:1.8, 6.89S:129.77E, h0km, mb3.5/1, mb1 3.7/4, mb1mx3.3/4, mbtmt3.5/4, ML3.5/3, Error ellipse: s-maj=59.0km s-min=28.4km az=81.0, Bando Sea, Code, Station Name, Delta, Az, Phase ID, Time, Res, etc. Lists various satellite stations and their parameters.



Table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like WUAZ Wupatki, DGZ Jazator, and various other codes.

NIED 17 18:34:00.39,30N;142:60E,h23km,Mw3.7, Best double couple: M=4.21000x1014 NP1.31100000, 821.000000, lambda=49.000000, NP2.269.000000, 875.000000, lambda=104.000000.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MIYV Miyakonagasawa, OFUJ Ofunato, and others.

IDC 17 18:34:24.9,0.8,10.91S;165:94E,h0km,mb4.1/14, mb1.4/3.16,mb1mx4.1/10,mbtmp4.1/16,ML4.2/2, Error ellipse: s-maj=28.9km s-min=17.7km az=131.0

NEIC 17 18:34:26.7,0.4,10.88S;165:91E,h10km,mb4.2/2, Error ellipse: s-maj=12.5km s-min=8.4km az=126.0

Table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, and others.

IDC 17 18:37:12.5,10.0,17.27S;178:74W,h516km,110km, mb32/10,mb1.35/10,mb1mx3.3/2,mbtmp4.0/10, Error ellipse: s-maj=69.3km s-min=34.5km az=162.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CTA Charters Tower, STKA Stephens Creek, and others.

ISCJB 17 18:40:09.6,1.1,10.9S;0.1x165.8E;0.2,h10km,mb3.5/5, Error ellipse: s-maj=23.6km s-min=17.7km az=160.8

Table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, and others.

NEIC 17 18:59:29.3,1.0,4.377N;105:29W,h0km,ML3.1, Error ellipse: s-maj=14.6km s-min=11.6km az=50.0, Suspected Mining explosion.

NEIC 61 km [38 miles] SSE of Gillette. IDC 17 18:59:30.6,1.0,44:26N;105:80W,h0km,mb1.3/6.4, mb1mx3.3/4.2,mbtmp3.3/4,ML2.9/3, Error ellipse: s-maj=24.4km s-min=14.2km az=142.0

Table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like RLMT Red Lodge, PDAR Pinedale Array, and others.

IDC 17 19:04:50.5,3.0,4.50S;102:45E,h0km,mb3.7/7, mb1.3/8.7,mb1mx3.6/38,mbtmp3.7/7, Error ellipse: s-maj=134.2km s-min=17.7km az=57.0

DJA 17 19:04:58.3,0.7,5.5S;4x10:3E, h31km,5km,M3.7/8, MLV3.7/8

Table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like MNAI Manna, LHSI Lahat, and others.

BUI 17 19:18:48.2,10.75S;166:12E,h5km,mb5.5/3,mb4.9/57, Ms5.5/61,Ms7.5/357

IDC 17 19:18:50.4,0.4,10.75S;165:74E,h0km,mb4.8/21, mb1.4/2.3,mb1mx4.9/29,mbtmp4.8/23,ML5.9/2,MS4.8/6, Ms1.4/8.6,ms1mx4.5/34, Error ellipse: s-maj=16.2km

ISCJB 17 19:18:51.0,0.1,10.88S;0:02:165.61E;0:03,h12km, mb5.0/81,MS5.3/163, Error ellipse: s-maj=4.1km s-min=3.4km az=16.7

NEIC 17 19:18:52.0,1.0,10.84S;165:67E,h10km,mb3.3/39, MS5.3/126,MW5.5, Error ellipse: s-maj=4.4km s-min=3.4km az=101.0, Moment Tensor Solution. s39

Moment tensor: Scale 10^17Nm; M=0.70; Mw=2.2; Mww=1.52; Mm=0.24; Mss=0.45; Mrr=0.64; Best double couple: M=2.10000x1017 NP1.31100000, 868.000000, lambda=19.000000, NP2.356.000000, 873.000000, lambda=157.000000, Principal axes: T=2.900, P1g5.000000, lambda=186.000000, N=0.3500, P1g61.000000, Azm90.000000; P=1.9400, P1g28.000000, Azm728.000000;

NEIC Felt at Lata. M7S 17 19:18:55.8,1.1,10.67S;165:50E,h40km,mb5.1/30, MS5.4/19, Error ellipse: s-maj=9.5km s-min=8.4km az=104.8

GCMT 17 19:18:56.2,0.2,10.86S;0:01:165.67E;0:01,h14km, MW5.5/112, Moment Tensor Solution. s99,c173; s112,c208; Duration: 1s4 Moment tensor: Scale 10^17 Nm; M=1.05; Mw=2.04; Mww=2.60; Mss=1.55; Mrr=0.35; Mm=0.08; Mm=0.16; Mm=0.76; 10; Best double couple: M=2.38100x1017 NP1.31100000, 869.000000, lambda=149.000000, NP2.312.000000, 861.000000, lambda=24.000000, Principal axes: T=2.6350, P1g5.000000, Azm81.000000; N=0.5070, P1g53.000000, Azm84.000000; P=2.1280, P1g36.000000, Azm275.000000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 17 19:18:52.7,0.7,10.86S;0:04:165.75E;0:04,h13km,3gkm, n94s,1s49/431,mb5.0/88,MS5.3/163,9C-7D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like HNR Honiara, MARNC Mare, Loyalty, and others.

NEIC 17 19:04:50.5,3.0,4.50S;102:45E,h0km,mb3.7/7, mb1.3/8.7,mb1mx3.6/38,mbtmp3.7/7, Error ellipse: s-maj=134.2km s-min=17.7km az=57.0

ISC 17 18:59:29.3,1.0,4.377N;105:29W,h0km,ML3.1, Error ellipse: s-maj=14.6km s-min=11.6km az=50.0, Suspected Mining explosion.

Table with columns: Code, Station Name, Az, AzZ, Op, Phase, ID, Time, Res, h, m, s, ISC. Includes stations like CTAO Charters Tower, MTSU Mount Tinsley, and others.

H1S3 WAKE ISLAND HY 29.18 2 T 19 55 18.4



17d 19h

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like SONM, SONA1, BILLS, etc.

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Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like G08A, SHPR, DANN, BMO, etc.

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Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like KURK, KURK, KASHI, etc.





17d 19h

Table with columns for station code, name, frequency, power, polarization, and coordinates. Includes stations like DCZ Deep Cove, BBOO Bucklebo, TAU Tasmania Unive, etc.

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Table with columns for station code, name, frequency, power, polarization, and coordinates. Includes stations like MDJ Mudanjiang, DL2 Dalian, SNY Shenyang, etc.

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Table with columns for station code, name, frequency, power, polarization, and coordinates. Includes stations like HHC comp=Z,2um,17.0s, CM01 Chiang Mai Arr, etc.





Table with columns: YHNB, YHNB, NSK, NSK, YM01, YM01, NNSB, NNSB, NNS, NNS, YH11, YH11, YM05, YM05, NACB, NACB, YM04, YM04, ETLH, ETLH, WHP, WHP, OWD, OWD. Includes station names, times, and phases.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like YHNB, NSK, YM01, NNSB, NNS, YH11, YM05, NACB, YM04, ETLH, WHP, OWD, TAP, SLBB, TWA, TWA, NHDH, NHDH, NWLT, NWLT, TWE, TWE, TATO, TATO, TIPB, TIPB, ENTT, ENTT, NDT, NDT, YM01, YM01, YHNB, YHNB, NSK, NSK, YM05, YM05, TWB1, TWB1, ENA, ENA, NANB, NANB, NNS, NNS, NNSB, NNSB, EOS1, EOS1, EOS1, EOS1, LIOB, LIOB, NSTT, NSTT, ETLH, ETLH, ETLH, ETLH, NACB, NACB, NACB, NACB, TYC, TYC, SSSL, SSSL.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like HNR, WRA, ASAR, ILAR, ARCES, ILAR, MKAR.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SFK, SFK, AML, AML, MNAS, MNAS, UCH, UCH, KZA, KZA, EK2, EK2, AAK, AAK, AAK, AAK, KBK, KBK, ULHL, ULHL, KK31, KK31, CHMS, CHMS, TKM2, TKM2, MDOK, MDOK, MAKZ, MAKZ, MK31, MK31, PYUN, PYUN, DANN, DANN, KKN, KKN, DMN, DMN, PKIN, PKIN, PKI, PKI, AB31, AB31, GUN, GUN, JIRN, JIRN, BVA0, BVA0, RAMN, RAMN, AKTO, AKTO.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WRA, ASAR, ILAR, ARCES.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like WRA, ASAR, ILAR.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like CMIG, CMIG, PCIG, PCIG, TUIG, TUIG, TUIG, TUIG, CCIG, CCIG, CCIG, CCIG, HUIG, HUIG, HUIG, HUIG, VHO, VHO, VHO, VHO.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like HNR, DZM, DZM, WRA, WRA, ASAR, ASAR, ILAR, ILAR, MKAR, MKAR.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like THIG, THIG, PCIG, PCIG, PCIG, PCIG.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like DZM, WRA, ASAR, ILAR, MKAR.

BGR 17:20:07:15.5:0.3, 49:17N:8:15E, h4km, ML2.0/4, Error ellipse: s-maj=2.2km s-min=1.1km az=47.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like KTD, KTD, LANF, LANF, LANF, LANF, PEB, PEB, BRET, BRET, IMS, IMS, SWS, SWS, TOD, TOD, WBA, WBA, LBG, LBG, OPP, OPP, OPP, OPP, WBB, WBB, ABH, ABH, ABH, ABH, BFO, BFO, BFO, BFO, Ruppelstein, Ruppelstein, WLS, WLS, WLS, WLS, DUP, DUP, CDF, CDF, CDF, CDF.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like SIND, SIND, SIND, SIND, RIVER, RIVER, TNS, TNS, TNS, TNS, BUCH, BUCH, BUCH, BUCH, FSH, FSH, FSH, FSH, ECH, ECH, ECH, ECH, FACH, FACH, FACH, FACH, KIZ, KIZ, KIZ, KIZ, GWBC, GWBC, GUT, GUT, GUT, GUT, BERG, BERG, BERG, BERG, WLF, WLF, WLF, WLF, SLE, SLE, SLE, SLE, MOF, MOF, MOF, MOF, ENDD, ENDD, ENDD, ENDD, HDH, HDH, HDH, HDH, BIW, BIW, BIW, BIW, SISB, SISB, SISB, SISB, HINF, HINF, HINF, HINF.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like HAU, HAU, HAU, HAU, PAGF, PAGF, PAGF, PAGF, THEF, THEF, THEF, THEF, LOMF, LOMF, MEZF, MEZF, MEZF, MEZF.

17d 21h

Table with columns: SFTF, SFTF, SFTF, SFTF, GIVF, GIVF, GIVF, GIVF, RETA, RETA, MOTA, MOTA, BAIF, BAIF, BAIF, BAIF, FETA, SOTA, SOTA, SOTA, SOTA, SOTA, SOTA, CABF, CABF, CABF, CABF, WATA, WATA, NKC, NKC, NKC, NKC, LOR, LOR, LOR, LOR, LOR, LOR, KHC, KHC, KHC, KHC, SSF, SSF, SSF, SSF, CLL, CLL, CLL, SMF, SMF, SMF, SMF, AVF, AVF, AVF, AVF, BRG, BRG, BRG, BRG, BGF, BGF, BGF, BGF, TCF, TCF, TCF, TCF

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC

2013 FEB

IDC 17:20:27.25:3.4, 4.20S, 135.38E, h0km, mb3.4/1, mb1 3.4/3, mb1mx3.2/25, mbtmp3.2/3, ML2.9/2, Error ellipse: s-maj=154.1km s-min=30.9km az=80.0, lrian

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC

ISCJB 17:20:52.32:6.0, 3.67, 68N, 0.04, 142.0E, 0.1, h10km, mb4.0/24, MS3.3/2, Error ellipse: s-maj=6.4km s-min=5.8km az=22.4

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC

ISC 17:20:52.33:4.0, 6.7, 78N, 141.66E, h0km, mb3.9/19, mb1 4.1/23, mb1mx4.0/46, mbtmp3.9/23, ML3.3/4, MS3.3/2, MS1 3.4/2, ms1mx2.8/48, Error ellipse: s-maj=15.7km s-min=12.6km az=174.0

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC

ISC 17:20:52.33:6.0, 9.67, 64N, 142.62E, h15km, mb4.5/2, Error ellipse: s-maj=9.0km s-min=9.0km az=90.2

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC

ISC 17:20:52.34:2.0, 4.67, 68N, 0.04, 141.95E, 0.04, h10km, n58, i169/77, mb4.2/34, Eastern Siberia

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC

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Table with columns: GUN, JIRN, KKN, DANN, PKIN, PKI, DMN, RAMN, PYUN, KOLD, GEYT, KBZ, CLL

Table with columns: CLL, CMAR, GERES, PDAR, NVAR, BRTR, ESCD, TXAR, CPUP

ISCJB 17:21:05.03:0.2, 0.3, 43.79N, 0.02, 105.26W, 0.03, h0km, mb4.0/6, Error ellipse: s-maj=3.5km s-min=2.7km az=175.3

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC

ISC 17:21:05.04:0.0, 0.8, 43.80N, 105.52W, h0km, mb3.9/6, mb1 3.9/13, mb1mx3.7/49, mbtmp3.7/13, ML3.4/5, Error ellipse: s-maj=19.4km s-min=7.0km az=146.0

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC

ISC 17:21:05.04:0.0, 0.5, 43.82N, 105.24W, h0km, ML3.5, Error ellipse: s-maj=3.6km s-min=3.2km az=76.0, Suspected Mining explosion.

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC

ISC 17:20:19:48.6:1.4, 10.74S, 165.67E, h0km, mb3.8/6, mb1 3.8/6, mb1mx3.6/32, mbtmp3.9/7, ML4.2/1, Error ellipse: s-maj=45.9km s-min=25.8km az=119.0, New Britain region

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC

Table with columns: ELK, Elko, 7.98 251 Pn, Pn, 21 07 02.3 +0.9, etc. Includes stations like Kansas State U, KSUI, PSUT, CCUT, U32A, ANMO, 110CA, ULM, 139A, KVN, FFC, NW01, NVAR, CLNB, MDPB, YBH, GLA, T45A, LTX, TXAR, YKA, YKB5, 656A, ARAD, ARCS, FIAO, FINES, AKASG, AKKB, ZAA1, ZALV, SONA, SONM, MK32, MKAR.

DDA 1721:06:53.9, 39:13N:33:77E, h7km, 2km, ML2/9
ISK 1721:06:53.9, 39:12N:33:75E, h5km, ML2/3.7
ISC 1721:06:54.4, 1.2, 39:13N:03:33:76E, 0.03, h6km, 1.1km, n24, c0512/28, Turkey

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Includes stations like YAYX, SERE, AKSAY, KULU, AFRS, BBAL, KKUL, CDAG, CHBY, DELI, AVNS, SULT, ANTO, SIRC, YOZ, LADK, COAL, KONT, BNN, CTAK, SVRH, CUSAR, KARA.

SOME 1721:16:25.6, 42:50N:79:68E, h15km
NMC 1721:16:25.6, 0.8, 42:55N:79:65E, h0km, mb2.8, mpv2.6,
Error ellipse: s-maj=5.0km s-min=0.3km az=139.0, h1km

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Includes stations like KRNET, UZB, PDGK, PRZ, KTMS, SATY.

Table with columns: SATY, 9.1nm, 0.1s, S, Sn, 21 17 00.3 -0.2, etc. Includes stations like MDOK, TNSN, CHKK, KTBS, ULHL, BOOM, KAPS, KUU, NRR, TKM2, KZK.

ISCJUB 1721:16:46.3, 0.9, 10:8S:0:1:165:80E:0:09, h10km,
mb3.9/6, MS3.7/2, Error ellipse: s-maj=17.4km
s-min=10.5km az=32.2

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Includes stations like HNR, DZR, CTA, H1S2, H1S3, H1N1, H1N2, WRA, ASAR, RPZ, RAR, NWAO, SONM, ILAR.

Table with columns: 1.1nm, 0.8s, baz=237, slow=5.1, SNR=9.3, MKAR, ARCES.

IDC 1721:19:21.6, 1.5, 10:75S:165:68E, h0km, mb3.7/5,
mb1 4.0/6, mb1mx3.8/33, mbtmp3.8/6, ML4.4/1, Error
ellipse: s-maj=48.8km s-min=27.6km az=120.0

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Includes stations like DZM, H1S2, H1S3, H1N1, H1N2, WRA, ASAR, SONM, ILAR, MKAR, ARCES.

IDC 1721:21:53.1, 3.0, 9:45S:160:01E, h0km, mb3.9/7,
mb1 4.0/7, mb1mx3.8/30, mbtmp3.9/7, Error ellipse:
s-maj=91.3km s-min=29.8km az=128.0,
Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Includes stations like WRA, ASAR, CMAR, SONM, ILAR, MKAR, ZALV.

SJA 1721:22:06.7, 0.8, 32:52S:67:54W, h20km, 3km, ML2.0,
MW3.7, Mendoza Province

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Includes stations like RTCV, MRA, RMLS, AMOC, APLL.

IDC 1721:37:20.9, 1.5, 3:03S:130:26E, h0km, mb3.5/2,
mb1 3.7/5, mb1mx3.4/39, mbtmp3.5/5, ML3.3/3, Error
ellipse: s-maj=47.3km s-min=22.8km az=90.0, Seram

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Includes stations like SJIJ, FITZ, WRA, ASAR, MKAR.

ISK 1721:44:32.9, 34:11N:30:65E, h21km, ML3.4/18
ISCJUB 1721:44:35.8, 0.3, 34:18N:0:02:30:73E:0:03, h33km, Error
ellipse: s-maj=3.4km s-min=2.2km az=149.1

HLW 1721:44:37.8, 34:30N:30:60E, h33km, 36km, M3.5
GII 1721:44:39.0, 0.0, 34:15N:30:94E, h25km, MD3.0/3
NIC 1721:44:40.5, 0.1, 34:52N:30:74E, h25km, ML3.3
DDA 1721:45:03.9, 36:36N:29:56E, h15km, 3km, ML3.3
ISC 1721:45:36.8, 1.1, 34:21N:03:30:57E:0:03, h35km, n77,
c19:29/7, Eastern Mediterranean Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, etc. Includes stations like PPCY, ALFC, SZAC, MAMC, CSS, MATHIATIS, LFK, ELL, BOZY, TEKE, KORT, ARG, OREN, AKKU, DALY, TEPE, TURN, EREN, KEV, GCK, KEBE, YER, BRDR.



17d 22h

Table with columns: BRDR, comp=, IAML\_P, TAVA, DENIZLI\_Tavas, 3.55 337, 3.56 316, DAT, DAT, comp=, IAML\_P, ISP, Isparta, 3.60 358, KIKZ, Mersin, 3.63 50, BAGO, Egirdir - ISPA, 3.77 1, HNTI, Hamita, 3.92 105, OFRI, Of'er, 3.94 113, KONT, Konya-Tatoy, 3.97 20, KZIL, AFYON\_Kizoren, 4.06 354, MERS, Mersin, 4.11 49, AYDN, Tasoluk, 4.12 327, MMAOB, Mount Meron ar, 4.12 106, SLTI, Sal'it, 4.16 117, SLTI, Sal'it, 4.16 117, LADK, Ladik-KONYA, 4.21 19, KHAL, Kahallih, 4.28 347, KSDI, Kefar Szold, 4.28 102, NATI, Neve Ativ, 4.33 101, SHUT, Suhut-Afyon, 4.33 359, MMLI, Mount Malkishu, 4.35 113, KOT, Kottamia, 4.38 167, HHAG, Hagoal, 4.42 164, HHAG, Hagoal, 4.42 163, GCAM, G'zalacami?, 4.46 322, AMAZ, Amatzia, 4.46 126, KSHT, Keshet, 4.46 105, HMDT, Nahal Hemdat, 4.51 114, HMDT, Nahal Hemdat, 4.51 114, KZIT, Kziot, 4.56 135, KZIT, Kziot, 4.56 135, HNAT, Natroun, 4.57 181, HNAT, Natroun, 4.57 179, KAR, Karaisali, 4.69 48, YTR, Yatir, 4.70 126, GLL, Jalalah, 4.71 169, CHBY, Chibanbeyli, 4.71 22, SUZ, Suez, 4.73 157, DSI, Dead Sea, 4.76 122, MZDA, Masada, 4.90 125, MZDA, Masada, 4.90 125, CEYT, Ceyhan, 4.95 55, TAHT, Tahtakor-Hat, 5.00 63, GHAJ, Ghor Haditha, 5.04 124, HNKL, Nakhli, 5.11 146, KOZK, Kozan, 5.31 51, PRNI, Paran, 5.32 135, PRNI, Paran, 5.32 135, SLUM, Salum, 5.33 241, SLUM, Salum, 5.33 241, HRFI, Mount Harif, 5.57 137, HRFI, Mount Harif, 5.57 137, NBNS, Bani Suef, 5.60 174, MBRI, Mt Berech, 5.69 140, MBRI, Mt Berech, 5.69 140, EIL, Elat, 5.81 140, HKAT, Jabal Katrina, 6.34 153, TAMRE, EI Minia, 6.51 178, SWAZ, Swaz, 6.65 223, SWAZ, Swaz, 6.65 223

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, FITZ, Fitzroy Crossi, 11.67 200, FITZ, Fitzroy Crossi, 11.67 200, WRA, Waramungga Arr, 13.49 162, WRA, Waramungga Arr, 13.49 162, ASAR, Alice Springs, 16.93 167, ASAR, Alice Springs, 16.93 167, ASAR, Alice Springs, 16.93 167, MKAR, Makanchi Array, 68.22 327

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, HNR, Honiara, 5.49 290, HNR, Honiara, 5.49 290, HNR, Honiara, 5.49 290, DZM, Mt Dzumac, 10.71 174, DZM, Mt Dzumac, 10.71 174, CTA, Charters Tower, 21.82 261, COEN, Coen, 21.82 261, RAO, Raoul Island, 23.78 141, BKZ, Black Stump Fm, 29.46 162, H11S2, WAKE ISLAND Hy, 29.71 3, H11S3, WAKE ISLAND Hy, 29.71 3, H11S1, WAKE ISLAND Hy, 29.72 3, STKA, Stephens Creek, 29.82 223, STKA, Stephens Creek, 29.82 223, WB2, Waramungga Arr, 30.84 250, WR1, Waramungga Arr, 30.85 250, WR1, Waramungga Arr, 30.85 250, WRA, Waramungga Arr, 30.85 250

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Table with columns: WRA, PcP, PcP, 22 11 02.4 +0.4, ASO1, Alice Springs, 32.11 243, AS31, Alice Springs, 32.15 243, AS31, Alice Springs, 32.15 243, ASAR, Alice Springs, 32.15 243, ASAR, Alice Springs, 32.15 243, ATN, Mantion Dam, 33.30 264, BBOO, Buckleboe, 34.20 227, PYZ, Puysegur Point, 34.70 178, FITZ, Fitzroy Crossi, 38.76 255, FITZ, Fitzroy Crossi, 38.76 255, MBWA, Marble Bar, 44.56 251, NWAO, Narrogin (SRO), 48.82 236, CM31, Chiamai Mai Arr, 71.73 294, CMAR, Chiamai Mai Arr, 71.73 294, SONA0, Songoing Array, 78.59 324, SONM, Songoing Array, 78.59 324, ILAR, Eielson Array, 84.00 19, ILB, Eielson Array, 84.00 19, MK01, Makanchi Array, 93.36 317, MK31, Makanchi Array, 93.37 317, MK32, Makanchi Array, 93.37 317, MKAR, Makanchi Array, 93.37 317, ZALV, Zalesovo Beam, 93.49 324, ZAA1, Zalesovo Array, 93.49 324, MAK2, Makanchi, 93.58 317, YKA, Yellowknife Ar, 95.52 27, YKBS, Yellowknife Ar, 95.52 27, KEST, Kesra, 147.33 322, ESDC, Soneca Array, 150.21 343

GUC 17 22:08:51.4,0.5,21.525z:67.44W,h271km,68km,ML3.6,2C, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, PB09, IPOC Station P, 1.70 260, PB09, IPOC Station P, 1.70 260, PB01, IPOC Station P, 1.97 284, PB01, IPOC Station P, 1.97 284, PB08, IPOC Station P, 2.11 310, PB03, IPOC Station P, 2.21 256, PB07, IPOC Station P, 2.29 264, PB07, IPOC Station P, 2.29 264, PB02, IPOC Station P, 2.30 274, PB02, IPOC Station P, 2.30 274, PB06, IPOC Station P, 2.30 239, PB06, IPOC Station P, 2.30 239, PB15, IPOC Station P, 2.52 228, PB04, IPOC Station P, 2.64 252, PB04, IPOC Station P, 2.64 252, PB11, IPOC Station P, 2.71 310, PB11, IPOC Station P, 2.71 310, PB05, IPOC Station P, 2.88 242, PB05, IPOC Station P, 2.88 242, MNMC, Minye Minye, 3.12 319, MNMC, Minye Minye, 3.12 319, PSGC, Pisagua, 1.16 307, PSGC, Pisagua, 1.16 307

ISCJB 17 22:23:05.7,0.7,33.85N,0.05:26.5E,0.1,h25km, Error ellipse: s-maj=13.9km s-min=5.7km az=16.6

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, SLUM, Salum, 2.60 206, SLUM, Salum, 2.60 206, DAT, Datca, 3.00 16, DAT, Datca, 3.00 16, DALY, Dalyan (Mula), 3.43 30, DALY, Dalyan (Mula), 3.43 30, TURN, Turunc, 3.46 28, TURN, Turunc, 3.46 28, AKAS, Kas, 3.46 46, AKAS, Kas, 3.46 46, TAVA, DENIZLI\_Tavas, 4.09 27, TAVA, DENIZLI\_Tavas, 4.09 27, SWAZ, Swaz, 4.68 192, KHAL, Karahalli, 5.10 27, GLL, Jalalah, 6.12 133, NBNS, Bani Suef, 6.60 141, SUZ, Suez, 6.67 125, HFRF, Wahat Farafira, 6.84 167, TAMRE, EI Minia, 7.20 147

ISC 17 22:24:47.5,2.7,22.25S:143.74E,h0km,mb3.6/2, mb1 3.8/4, mb1mx3.5/30, mbtmp3.6/4, ML3.0/2, Error ellipse: s-maj=104.0km s-min=33.3km az=98.0, Near south coast of New Guinea

Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, WRA, Waramungga Arr, 15.59 215, WRA, Waramungga Arr, 15.59 215, ASAR, Alice Springs, 18.88 209, ASAR, Alice Springs, 18.88 209, FITZ, Fitzroy Crossi, 20.68 327, CMAR, Chiamai Mai Arr, 51.02 301

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Table with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISCJB 17 22:33:46.4,0.9,21.27S:0.05:67.7W,0.2,h232km,17km, mb3.3/1, Error ellipse: s-maj=30.8km s-min=7.9km az=5.3, GUC 17 22:33:47.1,0.4,21.22S:67.72W,h216km,8km,ML3.4, IDC 17 22:33:50.3,0.1,20.88S:66.83W,h213km,74km,mb3.2/1, mb1 3.0/2, mb1mx2.8/23, mbtmp3.5/2, Error ellipse: s-maj=107.4km s-min=85.9km az=36.0, ISC 17 22:33:46.3,1,3,21.27S:0.06:67.6W,0.2,h223km,18km, n15,0:69/24,2C-5D,Chile-Bolivia border region, Code, Station Name, Az, Az, Phase ID, Time, Res, PB09, IPOC Station P, 1.61 251, PB09, IPOC Station P, 1.61 251, PB01, IPOC Station P, 1.77 277, PB01, IPOC Station P, 1.77 277, PB08, IPOC Station P, 1.83 308, PB08, IPOC Station P, 1.83 308, PB02, IPOC Station P, 2.13 268, PB02, IPOC Station P, 2.13 268, PB03, IPOC Station P, 2.14 248, PB03, IPOC Station P, 2.14 248, PB07, IPOC Station P, 2.17 258, PB07, IPOC Station P, 2.17 258, PB06, IPOC Station P, 2.31 232, PB06, IPOC Station P, 2.31 232, PB11, IPOC Station P, 2.44 308, PB11, IPOC Station P, 2.44 308, PB04, IPOC Station P, 2.59 245, PB04, IPOC Station P, 2.59 245, PB15, IPOC Station P, 2.59 221, PB15, IPOC Station P, 2.59 221, PSGC, Pisagua, 2.89 305, PSGC, Pisagua, 2.89 305, LPAZ, La Paz, 4.98 354, LPAZ, La Paz, 4.98 354, MKAR, Makanchi Array, 144.73 37, MKAR, Makanchi Array, 144.73 37, IDC 17 22:56:15.8,0.6,10.63S:166.12E,h0km,mb4.3/14, mb1 4.5/16, mb1mx4.2/45, mbtmp4.4/16, ML4.8/2, MS3.8/13, Ms1 3.8/13, ms1mx3.6/31, Error ellipse: s-maj=20.6km s-min=15.9km az=109.0, ISCJB 17 22:56:16.1,0.3,10.70S:166.07E:0.05,h10km, mb4.5/39, MS3.8/12, Error ellipse: s-maj=7.5km s-min=6.5km az=172.5, NEIC 17 22:56:17.8,0.3,10.64S:166.09E,h10km,mb4.8/27, Error ellipse: s-maj=7.5km s-min=6.3km az=105.0, ISC 17 22:56:17.7,0.5,10.67S:166.19E:0.07,h10km,n79, 0:131/72,MS4.7/39,MS3.8/12,Santa Cruz Islands, Code, Station Name, Az, Az, Phase ID, Time, Res, HNR, Honiara, 6.27 281, HNR, Honiara, 6.27 281, HNR, Honiara, 6.27 281, HNR, Honiara, 6.27 281, HNR, Honiara, 6.27 281, HNR, Honiara, 6.27 281, DZM, Mt Dzumac, 11.34 179, DZM, Mt Dzumac, 11.34 179, DZM, Mt Dzumac, 11.34 179, DZM, Mt Dzumac, 11.34 179, MSVF, Nonavau, 13.47 123, EIDS, Eidsvold, 20.46 222, CTA, Charters Tower, 21.36 242, CTA, Charters Tower, 21.36 242, COEN, Coen, 21.82 261, ARMA, Armadale, 23.86 212, OUZ, Omahuta, 25.35 166, H11S2, WAKE ISLAND Hy, 29.71 3, H11S3, WAKE ISLAND Hy, 29.71 3, H11S1, WAKE ISLAND Hy, 29.70 3, URZ, Urewera, 29.16 162, BKZ, Black Stump Fm, 29.83 164, H11N1, WAKE ISLAND Hy, 29.20 1, H11N3, WAKE ISLAND Hy, 30.20 1, H11N2, WAKE ISLAND Hy, 30.22 1, STKA, Stephens Creek, 31.01 223, STKA, Stephens Creek, 31.01 223, STKA, Stephens Creek, 31.01 223, BFZ, Birch Farm, 31.19 165, THZ, Tophouse, 31.53 170, WRAB, Tennant Creek, 32.01 249, WB2, Waramungga Arr, 32.01 249, WR1, Waramungga Arr, 32.02 249, WR1, Waramungga Arr, 32.02 249, WRA, Waramungga Arr, 32.02 249, WRA, Waramungga Arr, 32.02 249, GUMO, Guam, 32.07 918, KHZ, Kahutara, 32.27 170, LTZ, Lake Taylor, 32.43 172, FOZ, Fox Glacier, 32.89 175, OXZ, Oxford, 32.93 172, RPZ, Rata Peaks, 33.19 174, RPZ, Rata Peaks, 33.19 174, RPZ, Rata Peaks, 33.19 174, AS01, Alice Springs, 33.31 243, AS31, Alice Springs, 33.35 243, AS31, Alice Springs, 33.35 243

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Table with columns: ASAR, Alice Springs, 33.35 243 P, P, 23 02 54.7 -1.6, etc. Includes various station names and coordinates.

IDC 17 22:59:53.6: 1.1, 26.24Sx71.58E, h0km, mb4.0/7, mb1 4.1/7, mb1mx3.7/43, mbtmp4.0/7, MS3.6/4, Ms1 3.6/4, ms1mx3.2/27, Error ellipse: s-maj=33.6km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists station codes and names like H08S1 Diego Garcia H.

DDA 17 23:00:24.7, 39°68'N-25°58'E, h21km, 1km, ML3.6, ISB 17 23:00:25.9, 39°71'N-25°71'E, h4km, ML3.7/31

ISCUB 17 23:00:26.1-0.4, 39.68N-0.01-25.66E:0.02, h8km, 3km, Error ellipse: s-maj=2.1km s-min=0.2km az=145.6

THE 17 23:00:26.5, 39.69N-25.70E, h8km, ML3.2/9, Error ellipse: s-maj=0.8km s-min=0.4km az=79.0

ATH 17 23:00:26.3, 39°69'N-25°66'E, h2km, 1km, ML3.3/23, Error ellipse: s-maj=1.6km s-min=0.8km az=71.0

ISC 17 23:00:26.8-1.0, 39.68N-0.02-25.68E:0.02, h8km, 3km, n213, r1905/233, 18C-18D, Aegean Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, etc. Lists station codes and names like BOZC Bozcaada.

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Main table with columns: SGR, Ezine, 0.52 74 PG, Sg, 23 00 42.9 +0.3, etc. Lists station names and coordinates.

17d 23h

Table with columns: KZD, KZDzhal, 1.98 354 PN, Pn, 23 01 00.7 +0.2, etc. Lists station names and coordinates.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CEP Cherat, THW Thamme Wali, MAKZ Makanchi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like NEIC 17:23:51:20.0, MEX After MEX, GUERRERO, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like KRSC 17:23:56:45.0, near east coast of Kamchatka Peninsula, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 17:23:59:59.2, Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 18:00:00:19.4, CMAR Chiang Mai Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GLKZ Green Lake, WAIZ Waiehe Island, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like STKA Stephens Creek, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 18:00:09:49.5, THW Thamme Wali, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like GVD LAST Lasithi, KSTL Kastelli Herak, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ATH 18:00:11:42.1, MESZ Methoni, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like STKA Stephens Creek, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 18:00:29:27.8, HNR Honiara, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 18:00:29:54.8, IDC 18:00:29:59.0, etc.



Table with columns: INK, Inuvik, 88.77 339 eP, P, 00 42 49.4 -1.2. Includes stations like Borovoye, Eielson Array, Warramunga Arr, etc.

SJA 18 00:37:46.9-0.4,28.79S,69.39W,h116km,2km,ML3.7, MW3.8,Chile-Argentina border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GUANDACOL, Las Campanas, Rodeo, Cerro Coronel, etc.

IDC 18 00:38:13.6-4.1, 52.82N-171.49W, h94km,36km, mb3.8/15, mb1 4.0/18, mb1mx3.7/50, mbtmp4.2/18, Error ellipse: s-maj=24.5km s-min=12.6km az=3.0

NEIC 18 00:38:15.3-0.0, 52.72N-171.32W, h104km, mb4.4/4, ML4.3(AEIC), After AEIC.

ISC 18 00:38:14.6-0.6, 52.77N-171.34W, h100km, n63, c2=19/66, mb4.1/18, Fox Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Nikolski High, Korovin Flat P, Mount Kluichef, etc.

Table with columns: NVAR, Mina Array Bea, 38.87 90 P, P, 00 45 31.8 +1.5. Includes stations like Lake, Boulder Array, Pinedale Array, etc.

IDC 18 00:40:49.6-1.0, 5.72N-32.83W, h0km, mb3.7/7, mb1 3.9/7, mb1mx3.6/36, mbtmp3.7/7, MS3.8/7, Ms1 3.8/7, ms1mx3.3/37, Error ellipse: s-maj=48.0km s-min=21.9km az=138.0, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Montagnes des, ASCENSION HYDR22.71 126 T, etc.

ISCJB 18 01:09:16.0-0.4, 5.66N-0.08, 32.91W, h0km, h12km, mb4.4/106, MS3.8/22, Error ellipse: s-maj=11.6km s-min=5.4km az=165.6

IDC 18 01:09:15.6-0.5, 5.67N-32.88W, h0km, mb4.3/27, mb1 4.4/27, mb1mx3.6/32, Error ellipse: s-maj=17.4km s-min=12.4km az=164.0

MOS 18 01:09:15.7-0.9, 5.66N-32.94W, h10km, mb4.8/39, Error ellipse: s-maj=13.8km s-min=6.0km az=53.9

NEIC 18 01:09:17.2-0.3, 5.67N-32.95W, h10km, mb4.6/41, Error ellipse: s-maj=8.7km s-min=4.8km az=170.0

ISC 18 01:09:17.4-0.4, 5.72N-32.90W, h0km, h12km, n205, c4=11/109, mb4.1/106, MS3.8/22, 13C-8D, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Santiago Islan, Montagnes des, ASCENSION HYDR22.71 126 T, etc.

Table with columns: ROSC, comp=Z,3.8nm,0.6s,baz=217,slow=20,SNR=3.7. Includes stations like Sonseca Array, SONSECA Array, Kesra, etc.



18d 1h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BOSAR, CFR Carcalui, SUW Suwalki, SUMG Summit, AK11 Kiev, AKASG Malin Array B, AKASG Malin Array B, AKBB Malin Array B, BR131 Keskin Array B, BRTR Keskin Array B, BRTR Keskin Array B, ULM Lac du Bonnet, KMB0 Kilima Mbogo, FCC Fort Churchill, TXAR Lajitas Array, FINES FINESS Array B, FIA1 FINESS Array S, ANMO Albuquerque, FFC Flin Flon, DGMT Dagmar, OBN Obninsk, ARCES ARCESS Array B, VSR Storozhevo, MOS Moscow, LPSR Galich'ya Gora, PV14 Lion Creek, NEY Neytrino, KIV Kislovodsk, KBZ Khabaz, VRR Novokhoporsky, NCK Nalchik, PDAR Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, KLMR Klimovskoe, KLMR Klimovskoe, TMR Tamitsa, LOHW Long Hollow, FLWY Flagg Ranch, MOOW Moose Ponds, RES Resolute Bay, RES Resolute Bay, REDW Red Top Meadow, YPP Pitchstone Pia, TPAW Teton Pass, IMW Indian Meadow, YHH Holmes Hill, FXWY Fox Creek, NLU North Lily Min, MTPU Mount Pierson, DUG Dugway, DUG Dugway, DLMT Dillon, SZCU Shurtz Canyon, BGU Big Grassy Mountain, CCUT Cedar City, PSUT Pine Spring, PRGR Permogore, PRGR Permogore, WALA Waterton Lakes, HLID Hailey, ELK Elko, ELK Elko, R11A Troy Canyon, YKA Yellowknife Ar.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like YKA Yellowknife Ar, YKB5 Yellowknife Ar, KIRV Kirov, NEW Newport, NEW Newport, NV01 Mina Array Sit, NVAR Mina Array Bay, NVAR Mina Array Bay, JOBA Circle Bar Lan, MOD Modoc Plateau, ARU Arti, ARU Arti, AKTO Aktyubinsk, ABKAR Abkarak array, BRVK Borovoye, BVAR Borovoye Array, ILAR Eielson Array, COLA College, AAK Ala-Archa, AAK Ala-Archa, BILL Bilibino, LZH Lanzhou, LZH Lanzhou, LZH Lanzhou, CMAR Chiang Mai Ar, MBWA Marble Bar, ASAR Alice Springs, ASAR Alice Springs, ISCJTB 18:01:16:56.8-0.3, ISC 18:01:16:56.5-1.7, TEH 18:01:16:57.0-1.1, THR 18:01:16:57.0-1.1, ISC 18:01:16:57.0-1.1, KHGB Koh Gabri, TVBK TV Kerman, KRBR Kerman, NGRK Negar Kerman, CHMN Cheshme madani, IMEH Imehriz, TPRV Parvadeh/Tabas, YZKH Yazd, YZKH Yazd, ICHK Chekchek, ISAD Isad, IKOO Kooshah, TKOS Kooshah, TABS Tabas, ITEG Itteg, TNSJ Nastanj, IDAH Dahanechah, NIAN Nian, IRAM Rameshah, IZEF Zefreh, GHIR Ghir-Karzin, GHIR Ghir-Karzin, KLNJ Kolanjah, IKLH Kolahrood, ROKH ROKH, ISFB Sefidab, IPAY Payeh, IKRD Kardeh, GEYT Alibek, GEYT Alibek, WSAR Wadi Sarin, WSAR Wadi Sarin, AKTO Aktyubinsk, BRTR Keskin Array B.

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, ZALV Zalesovo Beam, GERES GERES Array B, IDC 18:01:18:34.1, H10N3 ASCENSION HYDR22.68, H10N2 ASCENSION HYDR22.69, H10N1 ASCENSION HYDR22.70, H10S3 ASCENSION HYDR22.22, H10S2 ASCENSION HYDR22.22, H10S1 ASCENSION HYDR22.22, TORD Torodi Ar, LPAZ La Paz, GERES GERES Array B, NOA NORSAR Array B, MLR Monte Rosu, YKA Yellowknife Ar, ISCJTB 18:01:19:13.0-0.5, ISC 18:01:19:13.0-0.5, ISC 18:01:19:15.1-0.6, H10N3 ASCENSION HYDR22.72, H10N2 ASCENSION HYDR22.73, H10N1 ASCENSION HYDR22.74, H10S3 ASCENSION HYDR22.26, H10S1 ASCENSION HYDR23.26, H10S2 ASCENSION HYDR23.22, BDFB Brasilia, DBIC Dimboko, TOA1 Torodi Ar, TORD Torodi Ar, TORD Torodi Ar, LPAZ La Paz, TSUM Tsumeb, GEA0 GERES Array S, GEC2 GERES Array S, NB2 NORSAR Array B, NB20 NORSAR Array S, NOA NORSAR Array B, MLR Monte Rosu, AKASG Malin Array B, AKBB Malin Array S, BR101 Keskin Array S, BRTR Keskin Array S, LTX Lajitas, TXAR Lajitas Array, FIA0 FINESS Array S, FIA0 FINESS Array S, PD31 Pinedale Array, PDAR Pinedale Array, LOHW Long Hollow, YKA Yellowknife Ar, YKB5 Yellowknife Ar, NV01 Mina Array Sit, NVAR Mina Array Bay, ILAR Eielson Array, CMAR Chiang Mai Ar, ASAR Alice Springs, ASAR Alice Springs, IDC 18:01:21:06.7-1.4, Code Station Name, DZM Mont Dzumak, WRA Warrunganga Ar, ASAR Alice Springs, ILAR Eielson Array, YKA Yellowknife Ar, MKAR Makanchi Array, IDC 18:01:23:05.7-3.3, mb1 4.0/4, mb1mx3.7/25, mbtmp3.7/5, ML3.4/1, MS2.4/1, MS2.4/1, MS1mx2.3/35, Error ellipse: s-maj=68.0km, s-min=44.9km az=81.0, Santa Cruz Islands, Code Station Name, HNR Honiara, DZM Mont Dzumak, WRA Warrunganga Ar, ASAR Alice Springs, MKAR Makanchi Array, NNC 18:01:31:33.7-1.3, 42:54N, 79:65E, h0km, mb3.0, mpv2.5.

Error ellipse: s-maj=8.5km s-min=4.8km az=148.0
SOME 18 01:31:34.6, 42.52N, 70.70E, h14km, mb2.0
KRNET 18 01:31:34.9, 0.1, 42.58N, 70.63E, h14km, mb2.0
ISC 18 01:31:33.4, 1.9, 42.52N, 0.06, 79.66E, 0.05, h5km, 15km,
n27, c18/47, 8C-12D, Lake Issyk-Kul region

az=10.3
ISC 18 02:02:51.8, 1.4, 8.75S, 0.1, 109.55E, 0.05, h65km, 15km,
n18, c15/22, mb3.75, Jawa

0.1nm, 0.5s, baz=198, slow=4.2, SNR=8.8
ZALV Zalesovo Beam 81.19 8 P P 02 57 54.9 +0.1
YKA Yellowknife Arr 144.01 4 PKP PKPdf 03 05 13.8 -0.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like UZB Uzynbulak, PDGK Podgornoye, PRZ Przeval'sk, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like UGM Wanaagama, CMJI Cimerak, KPJI Karang Pucung, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

ISC 18 01:38:13.3, 1.3, 1.91N, 126.34E, h0km, mb3.6/4,
mb1 3.8/4, mb1mx3.7/38, mbtmp3.6/4, MS3.0/1, Ms1 3.0/1,
ms1mx2.6/27, Error ellipse: s-maj=138.3km
s-min=20.3km az=69.0, Northern Molucca Sea

ISC 18 02:30:48.1, 4.1, 10.92S, 165.99E, h0km, mb3.6/4,
mb1 3.8/4, mb1mx3.5/31, mbtmp3.6/4, Error ellipse:
s-maj=173.8km s-min=34.1km az=136.0, Santa Cruz
Islands

ISC 18 03:05:09.2, 0.2, 10.25S, 165.33E, h0km, mb3.8/6,
mb1 4.0/6, mb1mx3.7/40, mbtmp3.7/6, MS3.0/1, Ms1 3.0/1,
ms1mx2.5/35, Error ellipse: s-maj=110.6km
s-min=25.6km az=143.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, KSRs Korea Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

ISC 18 02:02:42.6, 1.4, 8.56S, 109.26E, h0km, mb3.9/5,
mb1 3.9/6, mb1mx3.7/38, mbtmp3.8/6, ML3.3/1, Error
ellipse: s-maj=92.1km s-min=20.4km az=45.0

ISC 18 02:45:37.5, 5.7, 26.70S, 71.00E, h0km, mb3.7/5,
mb1 3.8/5, mb1mx3.5/37, mbtmp3.7/5, Error ellipse:
s-maj=189.0km s-min=35.6km az=48.0, Mid-Indian
Ridge

ISC 18 03:16:04.2, 0.6, 15.85N, 93.12W, h133km, 7km, MD3.8,
Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like EDFI Ende, FIZZ Fitzroy Crossi, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like H0S1 Diego Garcia H, H0S2 Diego Garcia H, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h m s, ISC. Includes stations like DZM Mont Dzumac, H11S2 WAKE ISLAND Hy, etc.



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SMRC	Santa Marta, M	41.13 281	eP	P	03 48 39.3 +5.9
SMRC	Santa Marta, M	41.13 281	eP	P	03 48 39.3 +5.9
ROSC	Ei Rosal	41.14 271	eP	P	03 48 33.7 -0.3
ROSC	Ei Rosal	41.14 271	eP	P	03 48 33.7 -0.3
ROSC	Ei Rosal	41.14 271	eP	P	03 48 35.5 +1.5
ROSC	comp=Z,9.5nm,0.9s,baz=106,slow=4.2,SNR=8.7			LR	04 04 24.6
PTBC	PUERTO BERRIO, 41.22 274	eP	P	03 48 33.4 -0.9	
PTBC	PUERTO BERRIO, 41.22 274	eP	P	03 48 33.4 -0.9	
MTE	Manteigas	41.57 30	eLQ	LR	03 57 47.3
MTE	Manteigas	41.57 30	eLQ	LR	03 59 48.1
MTE	comp=Z,3um,22.0s			LR	03 48 50.0 +13
ZARC	Zaragoza, Cauc	41.62 275	eP	P	03 48 37.1 -0.3
ZARC	Zaragoza, Cauc	41.62 275	eP	P	03 48 37.1 -0.3
PLTB	Pedras Altas	41.99 207	eP	P	03 48 40.9 +0.9
PTLC	Puerto Leguiza	42.06 264	eP	P	03 48 42.3 +1.2
PTLC	Puerto Leguiza	42.06 264	eP	P	03 48 42.3 +1.2
RREF	El Recreo	42.16 271	eP	P	03 48 42.5 -0.2
RREF	El Recreo	42.16 271	eP	P	03 48 42.5 -0.2
ANIL	Santa Ana	42.24 271	eP	P	03 48 40.1 -2.8
ANIL	Santa Ana	42.24 271	eP	P	03 48 40.1 -2.8
HELX	Santa Helena	42.30 273	eP	P	03 48 40.3 -0.4
HELX	Santa Helena	42.30 273	eP	P	03 48 40.3 -0.4
MVO	Moncorvo	42.41 29	eLQ	LR	03 58 17.0
MVO	Moncorvo	42.41 29	eLQ	LR	04 00 17.8
PGAV	Gaveira, Arco	42.44 28	eLQ	LR	03 58 15.1
PGAV	Gaveira, Arco	42.44 28	eLQ	LR	04 00 12.7
PAB	San Pablo	42.60 33	eP	P	03 48 45.8 +0.5
PAB	comp=Z,3um,20.0s			LR	
PAB	San Pablo	42.60 33	eP	P	03 48 45.8 +0.5
PAB	comp=Z,30nm,1.5s			MLR	
FLOC	Florencia	42.73 266	eP	P	03 48 45.4 -1.3
FLOC	Florencia	42.73 266	eP	P	03 48 45.4 -1.3
ESDC	Sonsecá Array	42.91 33	eP	P	03 48 46.6 -1.0
ESDC	comp=Z,2.1nm,1.1s,baz=198,slow=1.5,SNR=4.0			PcP	03 50 39.1 +0.7
ESDC	comp=Z,2um,20.2s,baz=220,slow=32			LR	04 03 39.3
ESLA	Sonsecá Array	42.91 33	eP	P	03 48 46.4 -1.3
ESLA	comp=Z,41nm,1.6s			LR	
ES19	SONSECA Array	42.96 33	eP	P	03 48 47.6 -0.5
ES19	SONSECA Array	42.96 33	eP	P	03 50 39.9 +1.2
PLMC	San Jos del P	43.09 271	eP	P	03 48 49.3 -0.3
PLMC	San Jos del P	43.09 271	eP	P	03 48 49.3 -0.3
YOTC	Yotoco, Valle	43.21 270	eP	P	03 48 48.3 -2.3
YOTC	Yotoco, Valle	43.21 270	eP	P	03 48 48.3 -2.3
CART	Cartagena	43.23 38	PFAKE	LR	03 49 00.0 +10
CART	Cartagena	43.23 38	PFAKE	LR	
GTBY	Guantanamo Bay	43.34 293	PFAKE	LR	03 49 00.0 +8.6
GTBY	Guantanamo Bay	43.34 293	PFAKE	LR	
PCON	Cinco Dias	43.40 268	eP	P	03 48 53.5 +0.9
PCON	Cinco Dias	43.40 268	eP	P	03 48 53.5 +0.9
MNMC	Minye Minye	43.57 235	eP	P	03 48 51.4 -2.2
MNMC	comp=Z,19nm,1.1s			LR	
SOTA	Rioblanco	43.62 267	eP	P	03 48 55.0 +0.7
SOTA	Rioblanco	43.62 267	eP	P	03 48 55.0 +0.7
POPC	Popayan, Colom	43.65 268	eP	P	03 48 53.0 -1.3
POPC	Popayan, Colom	43.65 268	eP	P	03 48 53.0 -1.3
PB11	IPOC Station P	43.94 234	PFAKE	LR	03 49 10.0 +14
PB11	IPOC Station P	43.94 234	PFAKE	LR	
CRUC	La Cruz	44.02 267	eP	P	03 49 00.2 +2.8
CRUC	La Cruz	44.02 267	eP	P	03 49 00.2 +2.8
GCUF	Volcan Galeras	44.45 266	eP	P	03 49 01.2 +0.1
GCUF	Volcan Galeras	44.45 266	eP	P	03 49 01.2 +0.1
PB01	IPOC Station P	44.48 232	PFAKE	LR	03 49 10.0 +9.4
PB01	IPOC Station P	44.48 232	PFAKE	LR	
LVC	Limon Verde	44.89 230	eP	P	03 49 04.4 +0.2
LVC	comp=Z,14nm,1.0s			LR	
LVC	Limon Verde	44.89 230	eP	P	03 49 04.4 +0.2
LVC	comp=Z,13nm,1.0s			MLR	
MTDJ	Mount Denham	45.23 290	PFAKE	LR	03 49 20.0 +13
MTDJ	Mount Denham	45.23 290	PFAKE	LR	
OTAV	Otavalo	45.67 265	eP	P	03 49 11.7 +1.0
OTAV	comp=Z,16nm,1.1s			ePcP	03 50 49.8 +0.9
OTAV	Otavalo	45.67 265	eP	P	03 49 11.7 +1.0
OTAV	comp=Z,3um,22.0s			e	03 50 49.8
OTAV	comp=Z,16nm,1.1s			MLR	
PB04	IPOC Station P	45.69 231	PFAKE	LR	03 49 20.0 +10
PB04	IPOC Station P	45.69 231	PFAKE	LR	
BCIP	Isla Barro Col	46.56 277	eP	P	03 49 17.0 -0.1
BCIP	comp=Z,126nm,1.4s			LR	
BCIP	Isla Barro Col	46.56 277	eP	P	03 49 17.0 -0.1
BCIP	comp=Z,2um,21.0s			LR	03 49 30.0 +12
PB10	IPOC Station P	46.65 230	PFAKE	LR	03 49 30.0 +12
PB10	IPOC Station P	46.65 230	PFAKE	LR	
GO02	Miná Guanaco	46.85 228	eP	P	03 49 19.0 -0.6
GO02	comp=Z,72nm,1.3s			LR	
NNA	Nana	46.94 248	PFAKE	LR	03 49 30.0 +10
NNA	Nana	46.94 248	PFAKE	LR	
HAL	Halifax	47.25 330	eP	P	03 49 21.6 -0.4
HAL	comp=Z,146nm,1.2s			P	03 49 21.6 -0.4
HAL	Halifax	47.25 330	eP	P	03 49 21.6 -0.4
HAL	comp=Z,150nm,1.2s			Pmax	
KEST	Kesra	49.15 46	P	P	03 49 36.8 -0.2
KEST	comp=Z,45nm,1.6s			P	03 49 36.8 -0.2
KEST	Kesra	49.15 46	P	P	03 49 36.8 -0.2
KEST	comp=Z,8.8nm,1.1s,baz=236,slow=3.4,SNR=6.3			LR	04 10 15.4
ROSF	Rostrenen	49.61 26	eP	P	03 49 43.9 +3.7
ROSF	Rostrenen	49.61 26	eP	P	03 49 43.9 +3.7
CAF	Calviac	49.75 32	eP	P	03 49 45.0 +3.6
CAF	Calviac	49.75 32	eP	P	03 49 45.0 +3.6
MFF	Saint Martin d	49.77 29	eP	P	03 49 45.0 +3.5
MFF	Saint Martin d	49.77 29	eP	P	03 49 45.0 +3.5
060A	Indiantown	49.85 301	PFAKE	LR	03 49 50.0 +7.6
060A	Indiantown	49.85 301	PFAKE	LR	
060A	Indiantown	49.85 301	P	P	03 49 43.0 +0.6
SGMF	Saint Gilles	49.86 26	eP	P	03 49 43.4 +1.3
SGMF	Saint Gilles	49.86 26	eP	P	03 49 43.4 +1.3
LCO	Las Campanas	49.93 224	PFAKE	LR	03 50 00.0 +17
LCO	Las Campanas	49.93 224	PFAKE	LR	
061Z	Ochoppi	50.00 299	PFAKE	LR	03 50 00.0 +16
061Z	Ochoppi	50.00 299	PFAKE	LR	
HRV	Adam Dzielowski	50.20 323	P	P	03 49 45.5 +0.7
HRV	Adam Dzielowski	50.20 323	P	P	03 49 45.5 +0.7
059A	Moore Haven	50.50 301	PFAKE	LR	03 50 00.0 +13
059A	Moore Haven	50.50 301	PFAKE	LR	

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059A	Moore Haven	50.50 301	P	P	03 49 47.4 0.0
PKME	Peaks-Kenny Pk	50.62 327	PFAKE	LR	03 50 00.0 +12
PKME	Peaks-Kenny Pk	50.62 327	PFAKE	LR	
TCF	Toulx Ste Croi	50.74 31	eP	Pmax	03 49 51.2 +2.4
TCF	Toulx Ste Croi	50.74 31	eP	Pmax	
CNNC	Cliffs of the	50.78 312	PFAKE	LR	03 50 00.0 +11
CNNC	Cliffs of the	50.78 312	PFAKE	LR	
HDC	Heredia	50.79 278	PFAKE	LR	03 50 00.0 +10
HDC	Heredia	50.79 278	PFAKE	LR	
PAL	Palisades	50.81 320	P	P	03 49 49.7 +0.3
PAL	Palisades	50.81 320	P	P	
TRQA	Tornquist	51.04 209	PFAKE	LR	03 50 00.0 +8.8
TRQA	Tornquist	51.04 209	PFAKE	LR	
ESPN	Las Esperanzas	51.05 281	PFAKE	LR	03 50 00.0 +8.4
ESPN	Las Esperanzas	51.05 281	PFAKE	LR	
DWPF	Disney Wildern	51.07 302	PFAKE	LR	03 50 00.0 +8.4
DWPF	Disney Wildern	51.07 302	PFAKE	LR	
058A	Arcadia	51.09 300	P	P	03 49 52.3 +0.5
058A	Arcadia	51.09 300	P	P	
LDF	La Druitiere	51.21 28	eP	Pmax	03 49 52.5 +0.2
LDF	La Druitiere	51.21 28	eP	Pmax	
BGF	Bois d'Angland	51.25 31	eP	Pmax	03 49 55.1 +2.5
BGF	Bois d'Angland	51.25 31	eP	Pmax	
658A	Bunnell	51.32 304	PFAKE	LR	03 50 10.0 +17
658A	Bunnell	51.32 304	PFAKE	LR	
SSB	Saint Sauveur	51.32 33	eP	P	03 49 52.0 -1.3
SSB	Saint Sauveur	51.32 33	eP	P	03 49 55.3 +2.0
SSB	Saint Sauveur	51.32 33	eP	P	03 49 52.0 -1.3
SSB	Saint Sauveur	51.32 33	eP	P	03 49 55.3 +2.0
JTS	JuntasAbangare	51.62 279	PFAKE	LR	03 50 10.0 +14
JTS	JuntasAbangare	51.62 279	PFAKE	LR	
957A	Wimauma	51.63 301	PFAKE	LR	03 50 10.0 +14
957A	Wimauma	51.63 301	PFAKE	LR	
NHSC	New Hope	51.69 308	PFAKE	LR	03 50 10.0 +14
NHSC	New Hope	51.69 308	PFAKE	LR	
CBN	Corbin Frederi	51.72 315	PFAKE	LR	03 50 10.0 +14
CBN	Corbin Frederi	51.72 315	PFAKE	LR	
857A	Zephyrhills	51.79 302	P	P	03 49 57.3 +0.3
857A	Zephyrhills	51.79 302	P	P	
657A	Interlachen	51.87 303	P	P	03 49 58.3 +0.8
657A	Interlachen	51.87 303	P	P	
SSF	Saint Saulge	51.92 31	eP	Pmax	03 49 59.9 +2.3
SSF	Saint Saulge	51.92 31	eP	Pmax	
CLF	Chambon-Foret	51.94 29	eP	P	03 49 55.4 -2.3
CLF	Chambon-Foret	51.94 29	eP	P	03 49 59.8 +2.1
257A	Skidaway Islan	51.95 307	PFAKE	LR	03 50 10.0 +12
257A	Skidaway Islan	51.95 307	PFAKE	LR	
N59A	State Game Lan	51.96 319	P	P	03 49 58.7 +0.6
N59A	State Game Lan	51.96 319	P	P	
R58B	Mineral	51.96 315	eP	P	03 49 58.8 +0.7
R58B	Mineral	51.96 315	eP	P	
R58B	Mineral	51.96 315	eP	P	03 49 58.8 +0.7
R58B	Mineral	51.96 315	eP	P	
LOR	Lormes	52.24 31	eP	Pmax	03 50 00.2 +0.2
LOR	Lormes	52.24 31	eP	Pmax	
SAOF	Saorge	52.26 36	P	Pmax	03 50 00.3 0.0
SAOF	Saorge	52.26 36	P	Pmax	
456A	Hilliard	52.35 305	PFAKE	LR	03 50 10.0 +8.9
456A	Hilliard	52.35 305	PFAKE	LR	
656A	Williston	52.36 303	PFAKE	LR	03 50 10.0 +8.8
656A	Williston	52.36 303	PFAKE	LR	
BNI	Bardonecchia	52.38 35	eP	P	03 50 01.1 -0.2
BNI	Bardonecchia	52.38 35	eP	P	
BNI	Bardonecchia	52.38 35	eP	P	03 50 01.1 -0.2
BNI	Bardonecchia	52.38 35	eP	P	
PEL	Peldelue	52.49 220	PFAKE	LR	03 50 10.0 +7.8
PEL	Peldelue				

152A	comp-Z,2um,21.0s	LR	LR						
152A	Waverly Hall baz=108	55.14	306	P	P	03 50 21.5	0.0		
BFO	Black Forest comp-Z,40nm,1.3s	55.25	32	eP	P	03 50 21.7	-0.4		
BFO									
BFO	comp-Z,3um,20.0s	LR	LR						
BFO	Black Forest	55.25	32	eP	P	03 50 22.4	+0.3		
N53A	comp-Z,40nm,1.3s								
N53A	Lisbon	55.28	317	P	P	03 50 23.0	+0.5		
STCO	Saint Catharin baz=119	55.30	320	P	P	03 50 23.2	+0.7		
O53A	New Philadelphia baz=116	55.30	316	P	P	03 50 23.1	+0.5		
W52A	Murphy	55.30	309	PFAKE	LR	03 50 40.0	+1.7		
W52A									
W52A	Murphy	55.30	309	P	P	03 50 23.5	+0.8		
Y52A	Sevierville baz=110	55.30	310	PFAKE	LR	03 50 40.0	+1.7		
Y52A									
Y52A	Sevierville	55.30	310	P	P	03 50 23.5	+0.8		
T52A	Hallie baz=112	55.30	312	P	P	03 50 23.5	+0.8		
U52A	Thorn Hill baz=111	55.33	311	P	P	03 50 23.5	+0.6		
FUORN	Otenpass-Fuorn comp-Z,16nm,1.0s	55.33	35	eP	P	03 50 25.2	+2.3		
FUORN									
DRCO	St. Marys Ceme baz=120	55.33	321	P	P	03 50 23.3	+0.6		
DRWO	Darlington Wes baz=120	55.34	321	P	P	03 50 23.3	+0.5		
TKL	Tuckaleechee C	55.37	310	P	P	03 50 21.4	-1.8		
TKL									
TKL	Tuckaleechee C	55.37	310	P	P	03 50 21.4	-1.8		
TKL									
TKL	comp-Z,2um,20.0s	55.37	310	P	P	03 50 21.4	-1.8		
TKL	Tuckaleechee C	55.37	310	P	P	03 50 21.4	-1.8		
PEMO	Pembroke baz=122	55.38	324	P	P	03 50 24.1	+1.1		
451A	Vernon	55.39	304	PFAKE	LR	03 50 40.0	+1.7		
451A									
BANO	Bancroft baz=121	55.44	323	P	P	03 50 23.6	+0.2		
M53A	W Miller and baz=117	55.45	318	P	P	03 50 23.6	0.0		
BEBN	Eben Emael	55.45	29	uP	P	03 50 24.2	+0.8		
BEBN									
DAVA	Damuels baz=122	55.49	34	iP	P	03 50 26.9	+3.4		
MEM	Membach comp-Z,12nm,1.1s	55.49	29	P	P	03 50 25.4	+1.7		
MEM									
MEM	Membach	55.49	29	iP	P	03 50 24.3	+0.5		
MEM									
Q52A	Bidwell baz=114	55.50	314	P	P	03 50 24.2	+0.1		
251A	Midway baz=107	55.52	305	P	P	03 50 24.0	-0.3		
RS2A	Catlettsburg baz=113	55.52	313	P	P	03 50 24.1	-0.1		
TSUM	Tsumeb comp-Z,29nm,1.0s	55.53	118	eP	P	03 50 25.3	+0.5		
TSUM									
TSUM	Tsumeb	55.53	118	P	P	03 50 25.2	+0.5		
TSUM									
HGN	Heimansgrove	55.56	29	eP	P	03 50 23.7	-0.5		
HGN									
HGN									
TEIG	comp-Z,1um,21.8s	55.57	291	PFAKE	LR	03 50 40.0	+1.5		
TEIG									
TEIG	Tepech	55.57	291	PFAKE	LR	03 50 40.0	+1.5		
TEIG									
151A	Opelika baz=107	55.58	306	P	P	03 50 24.5	-0.3		
S52A	Salysville baz=112	55.59	312	P	P	03 50 24.9	+0.2		
PKRO	Pickering baz=120	55.60	321	P	P	03 50 24.8	+0.2		
CUC	Castrocucco	55.62	44	PFAKE	LR	03 50 40.0	+1.5		
CUC									
O52A	Adamsville comp-Z,54nm,1.3s	55.67	316	eP	P	03 50 26.0	+0.7		
O52A									
O52A	Adamsville	55.67	316	P	P	03 50 25.8	+0.5		
P52A	Corning baz=114	55.68	315	P	P	03 50 25.5	+0.1		
TYNO	Tyneside baz=118	55.69	320	P	P	03 50 26.0	+0.7		
E54A	Lac Daplat, Po baz=123	55.75	324	P	P	03 50 25.9	+0.2		
Y51A	Rockmart baz=108	55.79	308	P	P	03 50 26.3	+0.1		
U51A	La Follette baz=109	55.81	311	P	P	03 50 26.1	-0.2		
FETA	Feichten comp-Z,18nm,1.1s	55.82	35	iP	P	03 50 26.9	+0.5		
X51A	Calhoun baz=109	55.84	308	P	P	03 50 26.2	-0.3		
I53A	Kortright Cn E baz=119	55.86	321	P	P	03 50 26.9	+0.4		
V51A	Loudon comp-Z,38nm,1.2s	55.86	310	eP	P	03 50 27.6	+0.9		
V51A									
V51A	Loudon	55.86	310	P	P	03 50 26.7	0.0		
N52A	McGinn's Farm, Cooper Cave	55.87	316	P	P	03 50 26.7	0.0		
CPCT									
CPCT	Cooper Cave	55.88	309	PFAKE	LR	03 50 40.0	+1.3		
G53A	Haliburton baz=121	55.91	322	P	P	03 50 26.6	-0.3		
TIP	Timpagrande	55.95	46	PFAKE	LR	03 50 40.0	+1.3		
TIP									
S51A	Beattyville comp-Z,114nm,1.9s	55.95	312	eP	P	03 50 28.3	+1.0		
S51A									
S51A	Beattyville	55.95	312	P	P	03 50 27.3	0.0		
M52A	Chesterland baz=116	55.96	317	P	P	03 50 27.4	+0.1		
W51A	Cleveland baz=109	55.96	309	P	P	03 50 27.7	+0.2		
T51A	Gray baz=111	55.97	311	P	P	03 50 27.4	-0.1		
STU	Stuttgart	55.97	32	PFAKE	LR	03 50 40.0	+1.3		
STU									
E53A	Dumoine, Ponti baz=122	56.00	324	P	P	03 50 27.1	-0.4		
K52A	Tilsonburg baz=118	56.09	319	P	P	03 50 28.3	+0.1		
RETA	Reutte comp-Z,24nm,1.5s	56.09	34	iP	P	03 50 29.0	+0.8		
J52A	Paris baz=118	56.15	320	P	P	03 50 28.9	+0.2		
150A	Eclectic baz=107	56.17	306	P	P	03 50 29.2	+0.3		
250A	Grady baz=106	56.19	305	P	P	03 50 29.5	+0.4		
SCHO	Schefferville	56.19	337	eP	P	03 50 28.1	-0.6		
SCHO									
SCHO	Schefferville	56.19	337	P	P	03 50 27.1	-1.6		
SCHO									
SCHO	comp-Z,7.65nm,21.7s,baz=141,slow=6.1,SNR=14					04 10 48.1			
R51A	Hillsboro baz=112	56.19	313	P	P	03 50 29.3	+0.3		
SQTA	Sankt Quirin comp-Z,30nm,1.2s	56.20	35	iP	P	03 50 27.9	-1.2		
MOTA	Moosalm comp-Z,16nm,1.2s	56.21	35	iP	P	03 50 28.1	-1.1		
O51A	Pataskala baz=114	56.22	315	P	P	03 50 29.7	+0.5		
P51A	Williamsport comp-Z,29nm,1.0s	56.27	314	eP	P	03 50 30.2	+0.6		

P51A	Williamsport baz=114	56.27	314	P	P	03 50 29.9	+0.4		
Z50A	Ashland	56.28	307	P	P	03 50 29.8	0.0		
Q51A	Peebles comp-Z,34nm,0.9s	56.30	314	eP	P	03 50 30.5	+0.7		
Q51A									
Q51A	Peebles	56.30	314	P	P	03 50 30.3	+0.5		
IS2A	Shelburne baz=113	56.35	321	P	P	03 50 29.8	-0.2		
V50A	Pikeville baz=110	56.39	310	P	P	03 50 30.2	-0.3		
D53A	Lac Vacive, Po	56.40	325	P	P	03 50 30.0	-0.3		
W50A	Signal Mountai baz=109	56.40	309	P	P	03 50 30.5	-0.2		
M51A	Elyria baz=115	56.43	317	P	P	03 50 30.6	0.0		
X50B	Fort Payne baz=108	56.43	308	P	P	03 50 31.0	+0.2		
U50A	Jamestown baz=110	56.45	310	P	P	03 50 31.0	+0.1		
WTTA	Wattenberg comp-Z,16nm,1.3s	56.47	35	P	P	03 50 31.6	+0.5		
WATA	Walderalm comp-Z,11nm,1.0s	56.47	35	P	P	03 50 30.3	-0.8		
ACSO	Alum Creek Sta comp-Z,29nm,0.9s	56.52	315	eP	LR	03 50 31.6	+0.3		
ACSO									
ACSO	Alum Creek Sta	56.52	315	P	P	03 50 31.5	+0.1		
S50A	Richmond baz=111	56.56	312	P	P	03 50 31.7	+0.1		
BRAL	Brewton	56.61	304	PFAKE	LR	03 50 40.0	+7.9		
BRAL									
T50A	Nancy baz=110	56.65	311	P	P	03 50 32.8	+0.5		
F52A	Sundridge baz=120	56.68	323	P	P	03 50 32.2	-0.2		
ABTA	Abfaltersbach comp-Z,30nm,1.2s,SNR=6.6	56.70	306	iP	P	03 50 32.5	-0.1		
R50A	Paris baz=112	56.73	313	P	P	03 50 33.1	+0.3		
Z49A	Columbiana baz=107	56.75	306	P	P	03 50 33.7	+0.6		
D52A	ZEK Kipawa Sen baz=122	56.75	324	P	P	03 50 32.5	-0.4		
WTSB	Widneswijk baz=118	56.75	28	eP	P	03 50 33.3	+0.6		
I51A	Listowel baz=118	56.76	320	P	P	03 50 32.9	-0.1		
349A	Repton baz=105	56.78	304	P	P	03 50 33.8	+0.5		
149A	Jones baz=106	56.79	306	P	P	03 50 34.1	+0.7		
Y49A	Blount Mountai baz=107	56.85	307	P	P	03 50 34.2	+0.4		
P50A	Jamestown	56.85	314	P	P	03 50 34.4	+0.7		
N50A	Nevada baz=114	56.85	316	P	P	03 50 34.4	+0.7		
249A	Camden	56.89	305	P	P	03 50 34.8	+0.7		
SWET	Swet comp-Z,26nm,1.1s	56.89	309	eP	P	03 50 35.1	+1.0		
O50A	Cable baz=113	56.93	315	P	P	03 50 34.4	+0.1		
X49A	Woodville baz=108	56.98	308	P	P	03 50 35.1	+0.4		
KLBO	Kilbear Provi baz=120	57.00	322	P	P	03 50 34.3	-0.3		
V49A	McIntynville baz=109	57.04	309	P	P	03 50 35.0	-0.1		
M50A	Fremont baz=115	57.04	317	P	P	03 50 35.1	+0.1		
LRAL	Lakeview Retre comp-Z,18nm,1.1s	57.08	306	eP	P	03 50 35.4	0.0		
LRAL									
LRAL	Lakeview Retre	57.08	306	P	P	03 50 35.6	+0.2		
LSQQ	Lebel-sur-Quev baz=120	57.09	327	P	P	03 50 35.8	+0.6		
W49A	Belvidere baz=108	57.12	309	P	P	03 50 35.9	+0.2		
L50A	Kingsville baz=113	57.15	317	P	P	03 50 36.2	+0.4		
E51A	G1948 Merrick baz=121	57.15	323	P	P	03 50 35.6	-0.2		
U49A	Red Boiling Sp baz=110	57.19	310	P	P	03 50 36.1	-0.1		
T49A	Edmonton comp-Z,20nm,1.3s	57.20	311	eP	P	03 50 37.1	+0.9		
T49A									
T49A	Edmonton	57.20	311	P	P	03 50 35.9	-0.3		
GO06	Curarehue comp-Z,34nm,1.0s	57.21	215	eP	P	03 50 37.0	+0.6		
S49A	Springfield baz=111	57.26	31						







DUG	comp=Z,26nm,1.3s	LR	LR		
DUG	comp=Z,1µm,20.0s				
DUG	78.67 310	eP	pmax	03 52 52.4 +0.9	
DUG	comp=Z,26nm,1.2s				
DUG	Dugway, Tooele	78.67 310	P	03 52 51.8 +0.3	
LRM	baz=92				
LRM	Limekiln Ridge	78.70 315	eP	03 52 52.2 +0.5	
LRM	Hansel Valley	78.71 311	eP	03 52 51.8 +0.1	
HVU	Hansel Valley	78.71 311	eP	03 52 51.8 +0.1	
HVU	comp=Z,21nm,1.2s		pmax		
DLMT	Dillon	78.78 315	eP	03 52 52.9 +0.9	
DLMT	comp=Z,45nm,1.3s				
SZCU	Shurtz Canyon	78.79 307	eP	03 52 53.4 +1.1	
SGU	comp=Z,33nm,1.3s				
SGU	Big Grassy Moun	78.86 310	eP	03 52 52.9 +0.3	
SGU	comp=Z,38nm,1.3s				
MCMT	McKenzie Canyo	78.92 314	eP	03 52 53.7 +0.8	
CCUT	Cedar City	79.01 307	eP	03 52 55.1 +1.5	
MAK	comp=Z,34nm,1.2s				
MAK	Makchackala	79.31 47	eP	03 52 48.8 -5.9	
MAK			eS	04 02 45.4 -1.0	
MAK			eSS	04 08 00.5 -1.5	
MAK			pmax		
W13A	comp=Z,43nm,0.5s				
W13A	Hualai Mount	79.39 305	eP	03 52 57.4 +1.7	
PSUT	Pine Spring	79.42 308	eP	03 52 56.9 +1.1	
SNAA	comp=Z,21nm,1.2s				
SNAA	Sanae	79.54 171	P	03 52 56.5 +1.0	
SNAA	Sanae	79.54 171	P	03 52 56.0 +0.6	
PDMCI	comp=Z,8.9nm,0.9s, baz=335,slow=7.0,SNR=14				
PDMCI	Parker Dam,Lak	79.59 304	P	03 52 56.9 +0.5	
PRGR	Permogore	79.76 28	eP	03 52 56.2 -0.6	
PRGR	comp=Z,79nm,1.0s				
MSO	Missoula	79.79 316	eP	03 52 57.5 +0.1	
MSO	comp=Z,13nm,1.3s				
MSO	Missoula	79.79 316	P	03 52 57.0 -0.4	
MSO	baz=93				
WALA	Waterton Lakes	79.89 319	eP	03 52 57.6 -0.3	
Y12C	Blythe	79.91 303	eP	03 52 59.7 +1.5	
Y12C	Blythe	79.91 303	P	03 52 58.5 +0.3	
HLID	Halley	79.99 313	eP	03 52 59.1 +0.4	
HLID	comp=Z,28nm,1.4s		LR	LR	
HLID	comp=Z,21µm,20.0s				
HLID	Halley	79.99 313	P	03 52 58.9 +0.2	
LDFC	Landfair	80.39 305	eP	03 52 02.8 +1.8	
LDFC	comp=Z,48nm,1.3s				
IRM	Iron Mountain	80.42 304	P	03 53 02.0 +0.9	
IRM	baz=90				
RPN	Rapa Nui	80.43 241	PFAKE	03 53 10.0 +8.9	
RPN			LR		
SHPR	Sheep Range	80.44 306	eP	03 53 02.5 +1.3	
SHPR	comp=Z,16nm,1.3s				
ELK	Elko	80.54 310	eP	03 53 02.1 +0.3	
ELK	comp=Z,21nm,1.3s				
ELK	Elko	80.54 310	eP	03 53 02.1 +0.3	
ELK			pmax	pmax	
BC3	Big Chuckawall	80.68 303	P	03 53 01.8 -0.7	
BC3	baz=90				
R11A	Troy Canyon, C	80.78 308	eP	03 53 04.1 +1.1	
R11A	comp=Z,16nm,1.3s				
R11A	Troy Canyon, C	80.78 308	P	03 53 03.3 +0.2	
R11A	baz=90				
GMRC	Granite Mounta	80.84 304	P	03 53 04.1 +0.7	
GMRC	baz=90				
SWSC	Sam W Stewart	80.98 302	P	03 53 04.5 +0.5	
SWSC	baz=89				
TUQ	Turquoise Moun	81.06 305	P	03 53 05.2 +0.7	
TUQ	baz=90				
BELC	Belle Mtn. Jos	81.13 303	P	03 53 05.4 +0.4	
BELC	baz=88				
YKA	Yellowknife Ar	81.24 332	P	03 53 03.2 -1.5	
YKA	comp=Z,5.9nm,1.0s, baz=95,slow=5.4,SNR=51				
YKA			PKKpbc	04 11 39.6 -3.1	
YKB5	Yellowknife Ar	81.24 332	eP	03 53 02.5 -2.2	
YKB5	comp=Z,0.3nm,0.8s, baz=287,slow=2.4,SNR=53				
IKP	In-Ko-Pah, Jac	81.24 302	P	03 53 06.7 +1.2	
IKP	baz=89				
YK3	Yellowknife Ar	81.25 332	eP	03 53 03.1 -1.6	
YK3	comp=Z,31nm,1.5s				
TPNV	Topopah Spring	81.31 306	eP	03 53 07.5 +1.7	
TPNV	comp=Z,21nm,1.1s				
TPNV	Topopah Spring	81.31 306	eP	03 53 07.6 +1.7	
TPNV			pmax	pmax	
TPNV	Topopah Spring	81.31 306	P	03 53 06.9 +1.0	
TPNV	baz=90				
SHOC	Shoshone, Teco	81.34 305	P	03 53 06.4 +0.5	
SHOC	baz=89				
HEC	Hector,Ludlow	81.40 304	P	03 53 06.9 +0.6	
HEC	baz=89				
MONP2	Monument Peak	81.50 302	P	03 53 07.6 +0.6	
PFO	Pinyon Flats O	81.52 303	PFAKE	03 53 20.0 +1.3	
PFO			LR		
PFO	comp=Z,1µm,19.0s				
PFO	Pinyon Flats O	81.52 303	P	03 53 07.5 +0.4	
PFO	baz=89				
NVL	N'zarevskaya	81.74 166	eP	03 53 13.2 +6.1	
NVL			pmax		
GSC	comp=Z,15nm,0.9s				
GSC	Goldstone, Bar	81.78 305	eP	03 53 09.5 +1.2	
GSC	comp=Z,7.7nm,0.9s				
GSC	Goldstone, Bar	81.78 305	eP	03 53 09.5 +1.2	
GSC			pmax		
GSC	comp=Z,10.0nm,0.9s				
GSC	Goldstone, Bar	81.78 305	P	03 53 08.3 0.0	
FURC	Furnace Creek, baz=89	81.81 306	P	03 53 09.5 +1.3	
BBRC	Big Bear Solar	81.89 304	P	03 53 09.9 +0.8	
BBRC	baz=88				
NEW	Newport	81.99 318	eP	03 53 08.4 -0.7	
NEW	comp=Z,13nm,1.1s				
NEW	comp=Z,947nm,19.0s		LR	LR	
NEW	Newport	81.99 318	eP	03 53 08.7 -0.3	
NEW			pmax		
NEW	comp=Z,29nm,1.2s				
NEW	Newport	81.99 318	P	03 53 08.8 -0.3	
NEW	baz=91				
F10A	Beach Ranch, E	82.04 316	eP	03 53 09.2 -0.3	
F10A	comp=Z,9.3nm,0.9s				
BMO	Blue Mountains	82.09 314	eP	03 53 09.4 -0.3	
BMO	comp=Z,12nm,1.1s				
BMO			LR	LR	
BMO	Blue Mountains	82.09 314	eP	03 53 09.8 0.0	
BMO			pmax		
MURC	Murrieta	82.14 303	P	03 53 10.5 +0.3	
MURC	baz=88				
GRAC	Grapevine Rang	82.20 306	P	03 53 10.8 +0.3	
GRAC	baz=88				
MPMC	Manual Prospec	82.32 306	P	03 53 11.7 +0.5	
MPMC	baz=89				
LRMC	Laurel Mtn Rad	82.49 305	P	03 53 12.6 +0.5	
LRMC	baz=88				
OPO	Ambodiratomp	82.50 109	LR	04 25 19.7	
OPO	comp=Z,1µm,21.6s, baz=288,slow=32				
BFSC	Mount Baldy Ra	82.50 304	P	03 53 12.6 +0.4	
BFSC	baz=88				
ABPO	Ambohimpanom	82.60 110	PFAKE	03 53 20.0 +7.0	
ABPO			LR		
E09A	Wood Farm, Sta	82.68 316	eP	03 53 12.5 -0.1	
E09A	comp=Z,33nm,1.3s				
KVN	Kaiserville	82.74 309	eP	03 53 13.5 +0.1	
KVN	comp=Z,7.4nm,0.9s				
KVN	Kaiserville	82.74 309	eP	03 53 13.5 +0.1	
KVN			pmax		
C09A	comp=Z,7.0nm,0.9s				
C09A	Christan Ranch	82.76 317	eP	03 53 13.8 +0.8	
C09A	comp=Z,43nm,1.8s				

EDW2	Edwards Air Fo	82.76 304	P	03 53 14.2 +0.7	
EDW2	baz=88				
CWC	Cottonwood Cre	82.79 306	P	03 53 14.3 +0.6	
CWC	baz=88				
NV11	Mina Array Sit	82.80 308	eP	03 53 14.2 +0.6	
NV11	comp=Z,1.2nm,1.1s				
NV01	Mina Array Sit	82.92 308	eP	03 53 14.7 +0.3	
NV01	comp=Z,7.9nm,0.9s, baz=101,slow=5.5,SNR=23				
NVAR	Mina Array Bea	82.92 308	P	03 53 15.0 +0.6	
NVAR	comp=Z,1.8nm,1.1s				
J08A	Circle Bar Ran	82.94 313	eP	03 53 15.3 +1.1	
J08A	comp=Z,24nm,1.4s				
WVOR	Wild Horse Val	83.08 312	eP	03 53 15.7 +0.7	
WVOR	comp=Z,2µm,20.0s				
WVOR	Wild Horse Val	83.08 312	eP	03 53 16.0 +1.0	
WVOR			LR	LR	
WVOR	comp=Z,23nm,1.4s				
RYN	Ryan	83.08 308	eP	03 53 16.0 +0.8	
RYN	comp=Z,16nm,1.1s				
ISA	Isabella, Lake	83.13 305	eP	03 53 16.5 +1.2	
ISA	comp=Z,26nm,1.2s				
ISA	Isabella, Lake	83.13 305	eP	03 53 16.5 +1.2	
ISA			pmax		
ISA	comp=Z,26nm,1.2s				
ISA	Isabella, Lake	83.13 305	P	03 53 16.4 +1.1	
ISA	baz=88				
D08A	Wolfin Farm	83.20 317	eP	03 53 15.4 0.0	
D08A	comp=Z,46nm,1.8s				
G08A	Pilot Rock	83.26 315	eP	03 53 15.7 -0.2	
G08A	comp=Z,14nm,1.4s				
E08A	Dider Farm, E	83.31 316	eP	03 53 16.2 +0.4	
E08A	comp=Z,24nm,1.0s				
MLOC	Mammoth, Mam	83.36 307	P	03 53 17.4 +0.8	
MLOC	baz=88				
ARVC	Arvin	83.44 305	P	03 53 17.3 +0.5	
ARVC	baz=88				
B08A	Colville Reser	83.46 318	eP	03 53 16.3 -0.5	
B08A	comp=Z,16nm,1.2s				
OMMB	Old Mammoth M	83.49 307	eP	03 53 18.7 +1.2	
OMMB	comp=Z,16nm,1.3s				
MDPB	Dev Postpil	83.55 307	eP	03 53 19.1 +1.4	
MDPB	comp=Z,15nm,1.3s				
HAWA	Hanford	83.64 316	eP	03 53 18.1 +0.5	
HAWA	comp=Z,46nm,1.6s				
HAWA			LR	LR	
HAWA	comp=Z,1µm,19.0s				
I07A	Izee	83.67 314	eP	03 53 19.0 +1.0	
I07A	comp=Z,17nm,1.6s				
WAKR	Walker	83.80 308	eP	03 53 20.5 +1.6	
WAKR	comp=Z,18nm,1.3s				
E07A	Sunnyside	83.86 316	eP	03 53 19.3 +0.6	
E07A	comp=Z,39nm,1.5s				
PNTR	Pine Nut	83.91 309	eP	03 53 20.8 +1.4	
PNTR	comp=Z,11nm,0.9s				
F07A	Phinny Hill Vi	83.93 315	eP	03 53 19.9 +0.8	
F07A	comp=Z,51nm,1.4s				
VCNR	Virginia City	83.94 309	eP	03 53 21.0 +1.5	
VCNR	comp=Z,11nm,1.1s				
PKM	McPherson Peak	84.26 304	P	03 53 21.5 +0.2	
PKM	baz=87				
MOD	Modoc Plateau	84.33 311	eP	03 53 22.7 +1.2	
MOD	comp=Z,31nm,1.3s				
SMMC	Simler	84.39 305	P	03 53 21.3 -0.4	
SMMC	baz=87				
BEKR	Beckworth	84.46 309	eP	03 53 23.1 +0.9	
BEKR	comp=Z,26nm,1.3s				
CMB	Columbia Colle	84.57 308	eP	03 53 23.5 +0.9	
CMB	comp=Z,20nm,1.5s				
CMB	Columbia Colle	84.57 308	eP	03 53 23.5 +0.9	
CMB			pmax	pmax	
CMB	comp=Z,20nm,1.5s				
PINE	Pine Mountain	84.72 313	eP	03 53 25.2 +1.8	
PINE	comp=Z,39nm,1.5s				
B06A	Marblemount	84.89 318	eP	03 53 23.4 -0.5	
B06A	comp=Z,42nm,1.5s				
G05D	Wamic, OR	84.92 315	P	03 53 23.6 -0.6	
G05D	baz=87				
J05D	Fort Rock, OR	84.96 313	P	03 53 25.7 +1.1	
J05D	baz=87, SNR=12				
AFDM	Ferrest Hills D	84.98 309	eP	03 53 25.4 +0.8	
AFDM	comp=Z,19nm,1.2s				
I05D	Torrebonne, OR	84.98 314	P	03 53 25.6 +1.0	
I05D	baz=87, SNR=12				
F05D	White Salmon	85.00 315	P	03 53 25.0 +0.4	
F05D	baz=87				
LLLB	Lilloet	85.06 320	eP	03 53 24.6 -0.2	
LLLB	comp=Z,24nm,1.6s				
LON	Longmire	8			

18d 4h

Table with columns for station name, coordinates, and time. Includes stations like LSA Lhasa, ULN Ulaanbaatar, TBI Tubuai, etc.

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Main table with columns for station name, coordinates, and time. Includes stations like PCJ Pacitan, SBU Sibiu, NGJ Ngawi, etc.

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Table with columns for station name, coordinates, and time. Includes stations like KURBB Kurchatov Arra, ZALV Zalesovo Beam, etc.

Table with columns: ID, Name, Frequency, Mode, Power, etc. Includes stations like H10N1, H10H3, H10S1, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res, etc. Includes stations like ILAR, NRK, CMAR, etc.

Table with columns: ID, Name, Frequency, Mode, Power, etc. Includes stations like MPR, OBIP, SJG, etc.

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V50A	Pikeville	39.90	349	P	P	04 59 17.2	-0.8
W47A	Westpoint	40.02	346	P	P	04 59 17.5	-1.5
W46A	Michie	40.10	345	P	P	04 59 17.5	-2.1
V49A	McMinnville	40.15	349	P	P	04 59 18.7	-1.4
U53A	Fall Branch	40.19	353	P	P	04 59 19.7	-0.8
V48A	Smith Brothers	40.31	347	eP	P	04 59 20.1	-1.2
V48A	Smith Brothers	40.31	347	P	P	04 59 20.2	-1.2
U52A	Thorn Hill	40.33	352	P	P	04 59 20.6	-1.0
W45A	Hickory Valley	40.33	344	P	P	04 59 19.7	-1.9
JCT	Junction City	40.44	329	eP	P	04 59 22.4	-0.2
TZTN	Tazewell	40.50	352	eP	P	04 59 21.9	-1.0
TZTN	Tazewell	40.50	352	P	P	04 59 22.3	-0.7
WHTX	Lake Whitney	40.53	333	P	P	04 59 21.7	-1.6
U50A	Jamestown	40.58	350	P	P	04 59 22.7	-0.9
T54A	Tazewell	40.77	354	P	P	04 59 24.4	-0.8
T53A	Wise	40.80	353	P	P	04 59 24.9	-0.6
V45A	Humboldt	40.82	345	P	P	04 59 23.6	-2.0
U49A	Red Boiling Sp	40.84	349	P	P	04 59 24.4	-1.4
WVT	Waverly	40.91	346	eP	P	04 59 24.0	-2.3
WVT	Waverly	40.91	346	P	P	04 59 24.2	-2.2
UALR	University of	40.94	340	eP	P	04 59 25.3	-1.3
T51A	Gray	40.97	351	P	P	04 59 26.3	-0.5
T52A	Hallie	40.98	352	P	P	04 59 26.4	-0.5
U48A	Cassie Pea, Po	40.99	348	P	P	04 59 25.7	-1.3
U47A	Clarksville	41.09	347	P	P	04 59 25.9	-1.8
MIAR	Mount Ida	41.16	339	P	P	04 59 27.4	-1.0
T50A	Nancy	41.17	350	P	P	04 59 27.2	-1.3
U46A	Springville	41.21	346	P	P	04 59 27.2	-1.6
W41B	Gary Mavity, V	41.27	341	eP	P	04 59 27.9	-1.3
W41B	Gary Mavity, V	41.27	341	P	P	04 59 27.6	-1.7
T49A	Edmonton	41.37	349	eP	P	04 59 28.8	-1.4
T49A	Edmonton	41.37	349	P	P	04 59 28.6	-1.5
S55A	Lewisburg	41.38	356	P	P	04 59 30.4	+0.2
WHAR	Woolly Hollow	41.39	341	eP	P	04 59 28.9	-1.3
R58B	Mineral	41.44	359	P	P	04 59 30.8	+0.2
S53A	Williamson	41.44	354	P	P	04 59 30.4	-0.3
T48A	Bowling Green	41.54	348	P	P	04 59 30.5	-1.0
S52A	Salyserville	41.55	353	P	P	04 59 31.2	-0.4
T47A	Sharon Grove	41.57	348	eP	P	04 59 29.9	-1.8
T47A	Sharon Grove	41.57	348	P	P	04 59 29.6	-2.1
S51A	Beattyville	41.58	352	P	P	04 59 30.9	-0.9
CBN	Corbin Frederi	41.67	359	P	P	04 59 33.0	+0.6
TXAR	Lajitas Array	41.71	324	P	P	04 59 32.5	-0.6
TXAR	2.6nm,0.7s,baz=146,slow=8.5,SNR=32			pP	pP	04 59 58.5	-0.2
TXAR	1.4nm,0.8s,baz=148,slow=8.1,SNR=4.0			PcP	PcP	05 01 28.0	+0.2
S50A	Richmond	41.74	351	P	P	04 59 32.2	-0.9
T46A	Princeton	41.80	347	P	P	04 59 32.4	-1.2
W39A	Magazine	41.82	339	eP	P	04 59 32.8	-1.0
W39A	Magazine	41.82	339	P	P	04 59 32.5	-1.2
R54A	Victor	41.82	355	P	P	04 59 33.5	-0.2
R55A	Marlinton	41.86	356	P	P	04 59 34.4	+0.3
S49A	Springfield	41.99	350	P	P	04 59 33.6	-1.5
S48A	Wiedeman Farm,	42.01	349	P	P	04 59 33.2	-2.0
U42A	Revsden	42.03	343	P	P	04 59 33.3	-2.2
ABTX	Abilene, Hawie	42.09	331	eP	P	04 59 33.2	-2.9
ABTX	Abilene, Hawie	42.09	331	P	P	04 59 35.6	-0.4
S47A	Hartford	42.11	348	P	P	04 59 34.0	-2.0
R52A	Catlettsburg	42.15	353	P	P	04 59 35.2	-1.1
PBMO	Poplar Bluff	42.20	344	eP	P	04 59 34.5	-2.4
R51A	Hillsboro	42.23	352	P	P	04 59 36.2	-0.8
U41A	Viola	42.24	342	P	P	04 59 35.0	-2.1
R50A	Paris	42.32	351	P	P	04 59 36.8	-1.0
S46A	Don Dixon Farm	42.37	347	P	P	04 59 36.1	-2.2
T43A	Greenville	42.44	344	P	P	04 59 36.6	-2.2
R49A	Shelbyville	42.46	350	P	P	04 59 37.5	-1.4
U40A	Yellville	42.55	341	P	P	04 59 38.0	-1.6
Q55A	Buckhannon	42.56	356	P	P	04 59 40.0	+0.2
S45A	Carrie's Mills	42.57	346	P	P	04 59 37.7	-2.1
WCI	Wyandotte Cave	42.61	349	eP	P	04 59 37.4	-2.7
WCI	Wyandotte Cave	42.61	349	P	P	04 59 38.1	-2.0
Q54A	Coxs Mills	42.61	355	P	P	04 59 39.9	-0.2
T42A	Van Buren	42.62	343	eP	P	04 59 37.5	-2.8
T42A	Van Buren	42.62	343	P	P	04 59 38.0	-2.2
R48A	Northridge Ran	42.69	350	P	P	04 59 40.0	-0.9
Q52A	Bidwell	42.72	354	P	P	04 59 40.2	-0.8
S44A	Carbondale	42.75	345	P	P	04 59 39.2	-2.0
SIUC	Southern Illin	42.76	345	eP	P	04 59 39.8	-1.5
Q50A	Georgetown	42.82	352	P	P	04 59 40.6	-1.2
T41A	Mountain View	42.83	342	P	P	04 59 39.9	-2.0
R46A	Gibson Southern	42.84	348	P	P	04 59 39.7	-2.2
S43A	Fulton Ridge,	42.84	344	P	P	04 59 39.8	-2.3
HHAR	Hobbs	42.85	340	eP	P	04 59 40.9	-1.3
Q51A	Peebles	42.91	353	P	P	04 59 42.1	-0.5
P55A	Reedsville	43.06	357	P	P	04 59 44.0	+0.3

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R45A	Skylar, Fairri	43.08	347	P	P	04 59 42.4	-1.6
Q49A	Aurora	43.12	351	P	P	04 59 42.8	-1.4
P53A	Whipple	43.15	355	P	P	04 59 44.1	-0.4
Q48A	North Vernon	43.18	350	P	P	04 59 43.0	-1.7
P54A	Burton	43.19	356	P	P	04 59 44.7	-0.1
TUL1	Leonard	43.20	337	eP	P	04 59 44.1	-0.8
TUL1	Leonard	43.20	337	P	P	04 59 43.7	-1.2
S42A	Caledonia	43.23	344	P	P	04 59 42.4	-2.7
R44A	Waltonville	43.23	346	P	P	04 59 43.2	-1.9
Q47A	Bedord North L	43.32	349	P	P	04 59 44.1	-1.8
P51A	Williamsport	43.33	353	P	P	04 59 44.9	-1.0
FVM	French Village	43.33	344	eP	P	04 59 43.4	-2.5
S41A	Jillico Farms,	43.33	343	P	P	04 59 44.1	-1.9
P52A	Corning	43.37	354	P	P	04 59 45.5	-0.8
WMOK	Wichita Mounta	43.43	333	eP	P	04 59 46.5	-0.4
WMOK	Wichita Mounta	43.43	333	P	P	04 59 46.2	-0.7
OLIL	Olney	43.46	347	eP	P	04 59 45.2	-1.8
R43A	Red Bud	43.47	345	P	P	04 59 45.2	-1.8
P50A	Jamestown	43.55	352	P	P	04 59 46.4	-1.2
BLO	Bloomington	43.56	349	eP	P	04 59 46.3	-1.4
P49A	Mid Univ. Ec	43.60	351	P	P	04 59 46.4	-1.7
CCM	Cathedral Cave	43.62	343	eP	P	04 59 45.9	-2.4
CCM	Cathedral Cave	43.62	343	P	P	04 59 46.4	-1.9
Q45A	Warren Harvey,	43.63	347	P	P	04 59 46.4	-1.9
P48A	Milroy	43.65	350	P	P	04 59 46.4	-2.1
R42A	Luebbering	43.70	344	P	P	04 59 46.6	-2.3
O55A	Ligonier	43.73	357	P	P	04 59 49.6	+0.5
O56A	Blue Knob Stat	43.76	358	eP	P	04 59 50.2	+0.8
O56A	Blue Knob Stat	43.76	358	P	P	04 59 50.5	+1.1
O54A	Adwena	43.76	356	P	P	04 59 50.4	+1.0
O52A	Adamsville	43.82	354	P	P	04 59 49.1	-0.8
P47A	Martinsville	43.82	349	P	P	04 59 48.1	-1.8
Q44A	Meyer Farm, Va	43.84	346	eP	P	04 59 48.0	-1.9
Q44A	Meyer Farm, Va	43.84	346	P	P	04 59 47.7	-2.3
R41A	Rosebud	43.88	343	P	P	04 59 48.6	-1.8
O53A	New Philadelph	43.90	355	P	P	04 59 49.9	-0.5
O51A	Pataskala	43.93	354	P	P	04 59 49.4	-1.3
Q43A	New Douglas	44.04	346	P	P	04 59 49.4	-2.2
O50A	Cable	44.05	353	P	P	04 59 50.5	-1.2
ACSO	Alum Creek Sta	44.06	353	P	P	04 59 51.4	-0.3
SSPA	Standing Stone	44.11	359	P	P	04 59 52.5	+0.4
Q49A	Covington	44.19	352	P	P	04 59 51.3	-1.5
Q42A	Golden Eagle	44.23	345	P	P	04 59 51.1	-1.9
P44A	Sand Creek, Wi	44.28	347	P	P	04 59 51.4	-2.1
N55A	Marion Center	44.28	358	P	P	04 59 54.0	+0.4
O48A	Farmland	44.38	351	P	P	04 59 52.5	-1.8
N59A	State Game Lan	44.39	1	P	P	04 59 55.2	+0.8
N53A	Libson	44.42	356	P	P	04 59 53.4	-1.2
MNTX	Cornudas Mount	44.45	324	eP	P	04 59 54.1	-0.9
MNTX	Cornudas Mount	44.45	324	P	P	04 59 54.1	-0.9
Q41A	Truxton	44.45	344	P	P	04 59 52.7	-2.2
N52A	McGinn's Farm,	44.49	355	P	P	04 59 54.6	-0.6
N54A	Moraine State	44.52	357	eP	P	04 59 55.8	+0.4
N54A	Moraine State	44.52	357	P	P	04 59 55.4	-0.0
O47A	Sheridan	44.53	350	P	P	04 59 53.3	-2.2
N50A	Nevada	44.61	353	P	P	04 59 55.1	-1.0
P43A	Skidaway, Pawnee	44.66	346	P	P	04 59 54.6	-1.9
MSTX	Muleshoe	44.73	329	eP	P	04 59 57.1	-0.3
MSTX	Muleshoe	44.73	329	P	P	04 59 56.6	-0.7
P42A	Winchester	44.81	345	P	P	04 59 55.4	-2.4
SFIN	Lafayette	44.84	349	P	P	04 59 55.9	-2.1
N49A	Columbus Grove	44.89	352	P	P	04 59 56.9	-1.4
Q44A	Mansfield	44.90	347	P	P	04 59 56.3	-2.2
U32A	Winter Ranch,	44.91	334	eP	P	04 59 57.8	-0.9
N48A	Decatur	44.95	351	P	P	04 59 57.0	-1.8
M55A	Ridgway	44.96	358	P	P	04 59 58.8	-0.1
M53A	WI Miller and	45.03	356	P	P	04 59 58.9	-0.6
M54A	Oil Creek Stat	45.04	357	eP	P	04 59 59.8	+0.2
M54A	Oil Creek Stat	45.04	357	P	P	04 59 59.6	0.0
N47A	Urbana	45.08	351	P	P	04 59 57.8	-2.1
P41A	Barry, Barry	45.08	344	P	P	04 59 57.4	-2.5
M52A	Chesterland	45.19	355	P	P	04 59 59.9	-0.8
M50A	Fremont	45.22	353	P	P	04 59 59.8	-1.1
N46A	Monticello	45.27	349	P	P	04 59 59.9	-1.5
Q42A	Bath	45.32	346	P	P	04 59 59.6	-2.1
N45A	Kentland	45.37	349	P	P	05 00 00.1	-2.1
M49A	Liberty Center	45.40	352	P	P	05 00 01.5	-0.8
Q41A	Passleys Farm,	45.45	345	P	P	05 00 00.8	-1.9
N44A	Piper City	45.45	348	P	P	05 00 00.8	-2.0
HDIL	Hopedale	45.48	347	eP	P	05 00 00.8	-2.2
HDIL	Hopedale	45.48	347	P	P	05 00 00.6	-2.3
L53A	Girard	45.52	356	P	P	05 00 02.7	-0.6
M47A	Cromwell	45.53	351	P	P	05 00 01.8	-1.6
BINY	Binnganton	45.66	1	P	P	05 00 05.1	+0.6

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L55A	Hinsdale	45.66	358	P
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W18A	Petrified Fore	49.43 324	eP	P	05 00 34.5 +0.5
W18A	Petrified Fore	49.43 324	P	P	05 00 34.0 +0.1
H41A	Junct City	49.43 348	P	P	05 00 31.7 -1.8
F48A	Evansville	49.55 355	P	P	05 00 32.7 -1.8
H40A	Chill	49.59 347	P	P	05 00 33.0 -1.8
F46A	Macinaw City C	49.73 353	P	P	05 00 34.0 -1.8
S22A	4UR Ranch, Cre	49.74 329	eP	P	05 00 36.3 -0.1
S22A	4UR Ranch, Cre	49.74 329	P	P	05 00 36.1 -0.2
F45A	CMU Biological	49.75 352	P	P	05 00 34.8 -1.1
E53A	Dumoine, Ponti	49.84 359	P	P	05 00 36.0 -0.6
H39A	Augusta	49.85 347	P	P	05 00 34.3 -2.4
E54A	Lac Daplat, Po	49.89 360	P	P	05 00 36.6 -0.4
G41A	Antigo	49.90 349	P	P	05 00 35.6 -1.6
X16A	Lo Mia Camp, P	49.97 322	eP	P	05 00 38.1 0.0
E50A	Wahnapiite	50.00 356	P	P	05 00 36.3 -1.5
E51A	G1948 Merrick	50.05 358	P	P	05 00 37.3 -0.9
H38A	Maiden Rock	50.08 346	P	P	05 00 36.4 -2.1
E48A	Lockeyer	50.16 355	P	P	05 00 37.4 -1.6
MVCO	Mesa Verde	50.23 327	eP	P	05 00 39.2 -0.8
MVCO	Mesa Verde	50.23 327	P	P	05 00 39.5 -0.5
E47A	Iron Bridge	50.24 354	P	P	05 00 38.3 -1.3
F41A	Three Lakes	50.40 349	P	P	05 00 39.2 -1.7
G39A	Holcombe	50.40 347	P	P	05 00 39.2 -1.7
ECSD	EROS Data Cent	50.44 341	eP	P	05 00 39.5 -1.7
ECSD	EROS Data Cent	50.44 341	P	P	05 00 39.1 -2.1
G38A	Ridgeland	50.45 346	P	P	05 00 39.0 -2.2
D52A	ZEK Kipawa Sen	50.45 359	P	P	05 00 40.8 -0.5
D53A	Lac Vacive, Po	50.54 351	P	P	05 00 41.5 -0.5
D54A	Lac Fusel, La	50.61 0	P	P	05 00 41.9 -0.5
Y14A	Wickenburg	50.63 321	eP	P	05 00 43.0 +0.1
E43A	Lone Tree Farm	50.64 351	P	P	05 00 40.7 -1.9
WUJAZ	Wupaki	50.67 323	eP	P	05 00 43.7 +0.4
WUJAZ	Wupaki	50.67 323	P	P	05 00 44.3 +0.1
ISCO	Idaho Springs	50.71 331	eP	P	05 00 42.8 -0.9
ISCO	Idaho Springs	50.71 331	P	P	05 00 43.4 -0.3
SPMN	Marine on St.	50.73 345	P	P	05 00 41.2 -2.2
D46A	Sault St. Mari	50.75 354	P	P	05 00 41.3 -2.1
F40A	Park Falls	50.77 348	P	P	05 00 41.6 -2.0
D47A	Chapleau	50.82 354	P	P	05 00 42.1 -1.9
D48A	Paudash Townsh	50.82 356	P	P	05 00 42.5 -1.5
F37A	Hirrichs Farm,	51.15 346	P	P	05 00 44.7 -1.8
F38A	Pierce - Schro	51.19 347	P	P	05 00 44.9 -1.9
E40A	Wakefield	51.23 348	P	P	05 00 45.8 -1.3
E39A	Mellen	51.30 348	P	P	05 00 46.0 -1.6
Y12C	Blythe	51.48 319	P	P	05 00 49.3 +0.1
PDMCI	Parker Dam,Lak	51.58 320	P	P	05 00 50.1 +0.2
N23A	Red Feather La	51.73 332	P	P	05 00 50.6 -0.6
E38A	The Farm, Brul	51.73 347	eP	P	05 00 49.2 -1.6
E38A	The Farm, Brul	51.73 347	P	P	05 00 49.3 -1.6
SUD	Miller	51.85 340	P	P	05 00 50.3 -1.4
IKP	In-Ko-Pah, Jac	51.87 317	P	P	05 00 51.9 -0.3
W13A	Hualapai Mount	51.93 321	eP	P	05 00 53.1 +0.3
BC3	Big Chuckawall	52.03 319	P	P	05 00 53.0 -0.4
IRM	Iron Mountain	52.14 319	P	P	05 00 53.9 -0.3
NEE2	Needles Airpor	52.18 320	P	P	05 00 54.1 -0.3
MONP2	Monument Peak	52.22 317	P	P	05 00 54.6 -0.1
O20A	White River Ci	52.26 330	eP	P	05 00 55.1 +0.1
O20A	White River Ci	52.26 330	P	P	05 00 55.4 +0.3
LSQA	Lebel-sur-Quev	52.52 360	P	P	05 00 56.3 -0.3
KNB	Kanab	52.55 324	eP	P	05 00 57.8 +0.6
BELC	Belle Mtn. Jos	52.60 319	P	P	05 00 57.6 -0.1
PFO	Pinyon Flats O	52.67 318	P	P	05 00 58.0 -0.1
SRU	San Rafael Swe	52.70 327	eP	P	05 00 58.5 +0.2
LCMT	Little Creek M	52.79 323	eP	P	05 00 59.5 +0.5
GMRC	Granite Mounta	52.86 320	P	P	05 00 59.5 -0.1
EYMM	Ely	52.99 348	P	P	05 01 00.7 +0.6
P17A	Butcher Ranch,	53.08 327	eP	P	05 01 01.2 +0.1
SZCU	Shurtz Canyon	53.09 324	eP	P	05 01 01.6 +0.3
MURC	Murieta	53.16 318	P	P	05 01 01.3 -0.4
CCUT	Cedar City	53.22 324	eP	P	05 01 03.1 +0.8
MATO	Matagami	53.22 359	P	P	05 01 00.8 -1.0
HEC	Hector,Ludlow	53.33 319	P	P	05 01 03.3 +0.4
BBRC	Big Bear Solar	53.37 318	P	P	05 01 03.8 +0.4
K22A	Casper	53.37 333	eP	P	05 01 03.2 0.0
K22A	Casper	53.37 333	P	P	05 01 02.9 -0.4
CHGO	Chibougama	53.41 2	P	P	05 01 03.0 -0.2
TUQ	Turquoise Moun	53.43 320	P	P	05 01 03.5 -0.3
RSSD	Black Hills	53.48 336	eP	P	05 01 04.4 +0.4
RSSD	Black Hills	53.48 336	P	P	05 01 04.3 +0.2
SHRP	Sheep Range	53.63 322	eP	P	05 01 05.2 +0.1
BFSO	Mount Baldy Ra	53.85 318	P	P	05 01 06.3 -0.5
MURC	Goldstone, Bar	53.92 319	eP	P	05 01 07.7 +0.4
GSC	Goldstone, Bar	53.92 319	P	P	05 01 07.3 0.0
MPU	Maple Canyon	53.95 327	eP	P	05 01 07.5 0.0

PSUT	Pine Spring	54.17 324	eP	P	05 01 09.6 +0.4
JLU	Jordanelle	54.26 328	eP	P	05 01 10.1 +0.3
EDW2	Edwards Air Fo	54.45 318	P	P	05 01 10.7 -0.3
TPNV	Topopah Spring	54.58 321	eP	P	05 01 12.7 +0.5
TPNV	Topopah Spring	54.58 321	P	P	05 01 12.3 +0.2
LRMC	Laurel Mtn Rad	54.60 319	P	P	05 01 12.0 -0.2
TCUT	Toone Canyon	54.61 328	eP	P	05 01 12.6 +0.2
FURC	Furnace Creek,	54.67 321	P	P	05 01 12.7 +0.2
DUG	Dugway, Tooele	54.72 327	eP	P	05 01 12.8 -0.2
DUG	Dugway, Tooele	54.72 327	P	P	05 01 13.0 -0.1
MPMC	Manual Prospec	54.82 320	P	P	05 01 13.3 -0.5
BW06	Boulder Array	54.89 331	eP	P	05 01 13.0 -1.3
BW06	Boulder Array	54.89 331	P	P	05 01 13.4 -0.9
PD31	Pinedale Array	54.89 331	eP	P	05 01 13.6 -0.7
PDAR	Pinedale Array	54.89 331	eP	PcP	05 01 12.9 -1.4
PDAR	Pinedale Array	54.89 331	P	PcP	05 01 13.3 -1.0
PDAR	Pinedale Array	54.89 331	P	PcP	05 01 14.4 -0.7
MDND	Madcock	55.06 341	eP	P	05 01 15.1 -0.1
MDND	Madcock	55.06 341	P	P	05 01 14.9 -0.2
R11A	Troy Canyon, C	55.07 323	eP	P	05 01 15.8 +0.1
R11A	Troy Canyon, C	55.07 323	P	P	05 01 15.7 +0.1
ISA	Isabella, Lake	55.23 319	P	P	05 01 16.5 -0.2
SPUT	South Promonto	55.30 328	eP	P	05 01 16.9 -0.3
BGU	Big Gypsum Mou	55.34 327	eP	P	05 01 17.4 -0.1
CWC	Cottonwood Cre	55.43 320	P	P	05 01 18.1 -0.2
AHD	Autburn Hatche	55.65 330	eP	P	05 01 18.5 -1.2
VES	Vestal, Richer	55.73 319	P	P	05 01 20.2 0.0
HVU	Hansel Valley	55.80 328	eP	P	05 01 20.3 -0.5
TIN	Tinemaha, Big	55.90 320	P	P	05 01 21.3 -0.2
SNOW	Snow King Moun	55.99 331	eP	P	05 01 21.8 -0.4
LOHW	Long Hollow	56.03 331	eP	P	05 01 21.9 -0.5
TPAW	Teton Pass	56.11 331	eP	P	05 01 21.4 -1.6
ULM	Lac du Bonnet	56.18 345	P	P	05 01 21.1 -1.9
MOOW	Moose Ponds	56.20 331	eP	P	05 01 22.8 -0.8
FXWY	Fox Creek	56.25 331	eP	P	05 01 23.4 -0.7
IMW	Indian Meadow	56.40 331	eP	P	05 01 24.7 -0.5
FLWY	Flagg Ranch	56.42 331	eP	P	05 01 25.1 -0.1
ELK	Elko	56.44 325	eP	P	05 01 25.1 -0.4
RLMT	Red Lodge	56.54 333	eP	P	05 01 25.7 -0.3
RLMT	Red Lodge	56.54 333	P	P	05 01 25.8 -0.2
H17A	Grant Village	56.60 332	eP	P	05 01 27.3 +0.8
H17A	Grant Village	56.60 332	P	P	05 01 26.6 +0.1
YPP	Pitchstone Pla	56.62 331	eP	P	05 01 27.0 +0.3
NV11	Mina Array Sit	56.69 322	eP	P	05 01 27.4 +0.3
OMMB	Old Mammoth Mi	56.72 320	eP	P	05 01 27.7 +0.1
YFT	Old Faithful	56.77 331	eP	P	05 01 30.2 +2.5
NV01	Mina Array Sit	56.78 322	eP	P	05 01 27.5 -0.4
NVAR	Mina Array Bea	56.82 320	P	P	05 01 27.5 -0.3
NVAR	Mina Array Bea	56.82 320	PcP	P	05 01 55.3 +0.6
NVAR	Mina Array Bea	56.82 320	PcP	PcP	05 02 22.2 -0.3
MDP	Devils Postpil	56.78 320	eP	P	05 01 27.8 -0.2
YMH	Madison River	56.99 331	eP	P	05 01 29.9 +0.7
YHH	Holmes Hill	57.02 332	eP	P	05 01 30.1 +0.5
KVN	Kaiserville	57.04 322	eP	P	05 01 29.2 -0.4
DGMT	Dagmar	57.16 339	P	P	05 01 30.0 -0.1
YHB	Horse Butte	57.16 331	eP	P	05 01 31.4 +0.9
GCMT	Greycliff	57.23 333	eP	P	05 01 30.9 +0.1
QLMT	Earthquake Lak	57.33 331	eP	P	05 01 32.5 +0.9
YERR	Yerington	57.70 322	eP	P	05 01 34.5 +0.2
HLD	Hailey	57.91 328	eP	P	05 01 35.1 -0.6
HLD	Hailey	57.91 328	P	P	05 01 35.5 -0.2
BOZ	Bozeman (W)	57.99 332	P	P	05 01 34.8 -1.4
BOZ	Bozeman (W)	57.99 332	P	P	05 01 35.9 -0.3
MCMT	McKenzie Canyo	58.02 330	eP	P	05 01 36.9 +0.4
VNCR	Virginia City	58.14 322	eP	P	05 01 37.8 +0.4
PAHR	Pah Rah Range	58.22 322	eP	P	05 01 38.1 +0.2
DLMT	Dillon	58.28 331	eP	P	05 01 38.3 +0.1
SCHO	Schefferville	58.89 7	P	P	05 01 42.2 +0.2
HRY	Holler Researc	58.91 333	eP	P	05 01 42.3 -0.2
BEKR	Beckworth	58.92 322	eP	P	05 01 42.9 +0.1
EGMT	Eggleton	58.99 335	eP	P	05 01 42.3 -0.6
EGMT	Eggleton	58.99 335	P	P	05 01 42.4 -0.6
ORV	Oroville	59.45 321	eP	P	05 01 46.4 +0.2
WVOR	Wild Horse Val	59.48 325	eP	P	05 01 45.8 -0.7
MSO	Missoula	59.99 331	eP	P	05 01 49.8 -0.1
M3O	Missoula	59.99 331	P	P	05 01 49.6 -0.3
O03E	Paynes Creek	60.07 321	P	P	05 01 49.9 -0.6
BMO	Blue Mountains	60.32 328	eP	P	05 01 51.1 -1.0
O02D	Mt. Diablo Mer	60.62 321	P	P	05 01 53.0 -1.2
M04C	Macdoel	60.96 323	P	P	05 01 56.0 -0.6
I07A	Izee	61.01 326	eP	P	05 01 56.9 0.0
F10A	Beach Ranch, E	61.03 329	eP	P	05 01 56.7 -0.2
G08A	Pilot Rock	61.49 327	eP	P	05 02 00.2 +0.2
L04D	Klamath Falls	61.50 323	P	P	05 01 59.5 -0.8
J05A	Fort Rock, OR	61.50 324	P	P	05 02 00.0 -0.2
WALD	Waterton Lakes	61.59 333	eP	P	05 02 00.3 -0.4
PINE	Pine Mountain</				



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, OPO Amboldratompo, H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, H01W1 Cape Leeuwin H, BOS A Boshof, BOS A Mawson, CM01 Chiang Mai Arr, CMAR Chiang Mai Arr, ASAR Alice Springs, ASAR Warramunga Arr, WR1 Warramunga Arr, WRA Warramunga Arr, WR A Warramunga Arr, MK01 Makanchi Array, MK31 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, BR101 Keskin Array S, BRTR Keskin Array B, KURK Kurchatov, TORO Torodi Ar. Bea, TOA1 Torodi Ar. Sit, SONA0 Songoing Array, SONM Songoing Array, ZALV Zalesovo Beam, ZAA1 Zalesovo Beam, KSRS Korea Array, MJAR Matsushiro Arr, USRJ USSuriyarr Arr, NR1K Noril'sk, YKA Yellowknife Arr.

ISCJB 18 05:24:33.7:0.7,26.4S:0.1x71.5E:0.2,h10km,mb4.0/11, Error ellipse: s-maj=19.8km s-min=17.9km az=179.8

IDC 18 05:24:33.8:0.9,26.38S:71.38E,h0km,mb3.9/8, mb1.4/0.8,mb1mx3.8/56,mbtmp3.9/8, Error ellipse: s-maj=29.0km s-min=10.0

NEIC 18 05:24:35.2:0.5,26.42S:71.36E,h10km,mb4.4/3, Error ellipse: s-maj=15.6km s-min=14.1km az=91.0

ISC 18 05:24:35.5:0.9,26.45S:71.4E:0.2,h10km,n24, c0544/17,mb4.0/11,Mid-Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, H01W1 Cape Leeuwin H, BOS A Boshof, CM01 Chiang Mai Arr, CMAR Chiang Mai Arr, ASAR Alice Springs, WRA Warramunga Arr, WR1 Warramunga Arr, QSPA South Pole Qui, HKT01 Makanchi Array, MK31 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, KURK Kurchatov, SONA0 Songoing Array, SONM Songoing Array, ZALV Zalesovo Beam, ZAA1 Zalesovo Beam, YKA Yellowknife Arr.

IDC 18 05:34:51.2:3.5,11.01S:117.87E,h0km,mb3.6/2, mb1.3/5,mb1mx3.4/25,mbtmp3.4/5,ML3.3/3, Error ellipse: s-maj=233.8km s-min=23.8km az=48.0, South of Sumbawa

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include FITZ Fitzroy Crossi, WRA Warramunga Arr, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, ZALV Zalesovo Beam.

ISCJB 18 05:38:45.1:0.4,62.63N:0.01x150.04W:0.04,h14km,3km, mb3.3/1, Error ellipse: s-maj=3.2km s-min=2.3km az=176.5

IDC 18 05:38:45.9:1.4,62.76N:150.24W,h0km,mb3.4/1, mb1.3/4.5,mb1mx3.2/46,mbtmp3.1/5,ML2.7/4, Error ellipse: s-maj=24.0km s-min=10.0km az=111.0

NEIC 18 05:38:46.0:0.6,62.63N:150.04W,h16km,ML3.1(AEIC), After AEIC.

ISC 18 05:38:45.7:1.5,62.64N:0.02x150.06W:0.03, h12km,11km,n74,c134/115, Central Alaska

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include HUR Hurricane, HUR Hurricane, TRF Thorofare Moun, TRF Reindeer, RND.

Table with columns: PPLA, Purkeypyle, 1.01 286 ePg, Pn, 05 39 05.0 -0.2. Rows include GHO Glory Hole Cre, Palmer, Sawmill, Castle Rocks, McKinley, Susitna One, Denali Highway, Knik Glacier, Sheep Creek Mo, Browne, Rabbit Creek A, Lake Minchumina, Spurr Chakacha, Spurr West, Port Wells, Wood River Hill, Paxson, Skiak Lake, TAPS Pump St11, Harding Lake, Klutina, Spurr West, HAARP, Jack Peak, TAPS Pump Stn8, Manley, COLA College, Murphy Dome, Divide, Redoubt West, Redoubt South, Eielson Array, Eielson Array, Eielson Array, Seward, Independ'e Rid, Tatiana, Dot Lake, Bradley Lake, Mentasta, Cordova Ski Arr, Sparrevohn, Sand Creek, HOM Homer, PRP Porcupine Dome, HMT Indian Mountain, BCA3 Beaver Creek, BALM Baldy, Fort Yukon, Eagle, Coldfoot, Dawson, Kodiak Island, Kodiak Island, Kodiak Island, Bm3 Burt Mountain, PCA Pinnacle, OHAK Old Harbor, TOLK Toolik Lake Re, Hains Junction, ANM Nome, WHY Whitehorse, SKAG Skagway, BESE Bessie Mountain, INK Inuvik, INK Inuvik, INK Inuvik, INK Inuvik, YKA Yellowknife Arr, YKA Yellowknife Arr, NVAR Mina Array Bea, NVAR Mina Array Bea.

ISCJB 18 05:44:57.0:0.5,33.23S:70.28W,h100km,7km,ML2.7, MWV3.5, Chile-Argentina border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ROCI El Roble, ROC1 El Roble, Uspallata, AUSP Aysen, BTL5 Leoncito, RTLS, RTVC Cerro Valdivia, AMOC AROD, AROD Rodeo.

IDC 18 05:51:43.5:3.2,6.72S:154.99E,h0km,mb3.8/4, mb1.4/0.4,mb1mx3.7/38,mbtmp3.8/4,MS3.4/2,Ms1 3.4/2, ms1mx2.9/26, Error ellipse: s-maj=93.2km s-min=35.3km az=112.0, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include GUMO Guam, WRA Warramunga Arr, ASAR Alice Springs, H11S3 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, CMAR Chiang Mai Arr, MKAR Makanchi Array, MKAR Makanchi Array, TORO Torodi Ar. Bea.

ISCJB 18 05:54:43.5:0.9,11.00S:0.06x165.9E:0.1,h10km, mb4.2/9, Error ellipse: s-maj=16.3km s-min=9.6km az=153.9

NEIC 18 05:54:45.3:1.0,10.85S:165.84E,h10km,mb4.5/4, Error ellipse: s-maj=20.4km s-min=15.0km az=50.0

IDC 18 05:54:53.2:3.7,11.07S:165.83E,h73km,mb3.8/6, mb1.4/0.8,mb1mx3.6/39,mbtmp4.2/8, Error ellipse: s-maj=30.6km s-min=18.5km az=52.0

ISC 18 05:54:45.6:1.1,10.9S:0.1x165.9E:0.1,h10km,n21, c2560/19,mb4.4/10, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include HNR Honiara, HNR Honiara, HNR Honiara, DZM Mont Dzumac, DZM.

ISCJB 18 05:43:47.1:0.5,5.76N:0.10x32.83W:0.08,h10km, mb4.0/17,MS3.8/11, Error ellipse: s-maj=14.3km s-min=10.7km az=168.2

IDC 18 05:43:47.8:0.7,5.82N:32.86W,h0km,mb3.9/15, mb1.4/1/5,mb1mx3.9/47,mbtmp3.9/15,MS3.8/12, Ms1 3.8/12,ms1mx3.5/31, Error ellipse: s-maj=25.0km s-min=18.8km az=18.0

ISCJB 18 05:43:47.1:0.5,5.76N:0.10x32.83W:0.08,h10km, mb4.0/17,MS3.8/11, Error ellipse: s-maj=14.3km s-min=10.7km az=168.2

IDC 18 05:43:47.8:0.7,5.82N:32.86W,h0km,mb3.9/15, mb1.4/1/5,mb1mx3.9/47,mbtmp3.9/15,MS3.8/12, Ms1 3.8/12,ms1mx3.5/31, Error ellipse: s-maj=25.0km s-min=18.8km az=18.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include HNR Honiara, HNR Honiara, HNR Honiara, DZM Mont Dzumac, DZM.

NEIC 18 05:43:48.9:0.3,5.75N:32.87W,h10km,mb4.8/2, Error ellipse: s-maj=9.7km s-min=8.2km az=153.0

ISC 18 05:43:48.9:0.5,5.76N:0.10x32.87W:0.10,h10km,n43, c085/30,mb4.0/17,MS3.7/11,Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include RCBR Riachuelo, SACP Santiago Islan, MADO Montages des.

H10N3 ASCENSION HYDR23 71 126 T T 06 12 31.3

H10N2 ASCENSION HYDR22 77 126 T T 06 12 31.7

H10N1 ASCENSION HYDR22 79 126 T T 06 12 32.9

H10S3 ASCENSION HYDR23 31 129 T T 06 13 08.0

H10S1 ASCENSION HYDR23 31 129 T T 06 13 07.7

H10S2 ASCENSION HYDR23 33 129 T T 06 13 14.8

BDFB Brasilia 26.02 215 LR 05 58 34.8

PTGA Pitking 27.81 257 LR 06 00 07.1

TOA1 Torodi Ar. Sit 34.74 75 ePcP 05 50 40.4 -0.1

TOA2 Torodi Ar. Bea 34.75 75 P 05 50 40.3 -0.2

TORD Torodi Ar. Bea 34.75 75 P 05 50 40.4 -0.2

TORD Torodi Ar. Bea 34.75 75 P 05 50 40.4 -0.2

TORD Torodi Ar. Bea 34.75 75 P 05 50 40.4 -0.2

TORD Torodi Ar. Bea 34.75 75 P 05 50 40.4 -0.2

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TORD Torodi Ar. Bea 34.75 75 P 05 50 40.4 -0.2

TORD Torodi Ar. Bea 34.75 75 P 05 50 40.4 -0.2

TORD Torodi Ar. Bea 34.75 75 P 05 50 40.4 -0.2

TORD Torodi Ar. Bea 34.75 75 P 05 50 40.4 -0.2

TORD Torodi Ar. Bea 34.75 75 P 05 50 40.4 -0.2



18d 8h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BOOM, KST, KURU, DGS, etc.

IDC 18 06:53:27.6:1.9, 59.745:26.31W, h0km, mb3.8/2, mb1 3.9/2, mb1mx3.7/22, mbtmp3.8/2, Error ellipse: s-maj=81.1km s-min=45.4km az=10.0

IDC 18 06:53:31.4:0.9, 59.95:0.26:5W:0.3, h26km, n13, c157/14, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like VNA1, VNA2, SNA, etc.

MEX 18 07:25:24.4:0.6, 16.39N:98.39W, h10km, 4km, MD3.6, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PNIG, VHO, CAIG, etc.

NIED 18 07:55:00, 37.40N:142.30E, h8km, Mw3.8 Best double couple: M5.20000:1014, N11:0:134.00000, 339.00000, 1-89.00000: N12:0:312.00000, 352.00000, 1-91.00000

ISCJB 18 07:55:06.7:1.4, 37.36N:142.37E:0.04, h13km, 9km, mb4.0/21, MS3.4/2, Error ellipse: s-maj=6.0km s-min=5.1km az=162.1

IDC 18 07:55:06.2:0.8, 37.26N:142.37E, h0km, mb3.8/16, mb1 3.9/19, mb1mx3.8/50, mbtmp3.8/19, ML3.5/3, MS3.3/3, Ms1 3.3/3, ms1mx2.7/51, Error ellipse: s-maj=19.8km s-min=15.6km az=111.0

JMA 18 07:55:07.4:0.2, 37.35N:142.31E, h22km, 3km, M4.2 NEIC 18 07:55:11.1:0.5, 37.21N:142.37E, h35km, mb4.5/5, Error

2013 FEB

ellipse: s-maj=10.8km s-min=7.3km az=118.0 ISC 18 07:55:06.6:3.4, 37.35N:142.24E:0.06, h1km, 21km, n60, c147/62, mb3.9/21, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JFK, JKH, JKI, etc.

IDC 18 08:01:40.2:5.5, 26.79S:70.75E, h0km, mb3.7/4, mb1 3.8/4, mb1mx3.5/49, mbtmp3.7/4, Indian Ocean Triple Junction

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H0S1, H0S2, H0S3, etc.

IDC 18 08:02:37.4:19.0, 26.16S:71.70E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.4/52, mbtmp3.6/4, Error ellipse: s-maj=648.0km s-min=37.2km az=47.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H0S1, H0S2, H0S3, etc.

IDC 18 08:02:37.4:19.0, 26.16S:71.70E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.4/52, mbtmp3.6/4, Error ellipse: s-maj=648.0km s-min=37.2km az=47.0, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H0S1, H0S2, H0S3, etc.

IDC 18 08:02:37.4:19.0, 26.16S:71.70E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.4/52, mbtmp3.6/4, Error ellipse: s-maj=648.0km s-min=37.2km az=47.0, Mid-Indian Ridge

1394

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H0W1, ASAR, WRA, etc.

ISCJB 18 08:14:16.7:0.9, 29.56N:102.125E:0.06, h10km, MS3.1/3, Error ellipse: s-maj=8.3km s-min=5.9km az=146.0

IDC 18 08:14:20.1:1.6, 29.80N:101.96E, h0km, mb3.3/3, mb1 3.6/4, mb1mx3.3/55, mbtmp3.4/4, ML3.7/1, MS3.1/4, Ms1 3.2/4, ms1mx2.8/32, Error ellipse: s-maj=76.5km s-min=26.0km az=60.0

BJI 18 08:14:21.9, 29.94N:101.97E, h6km, mb3.5/1, ML3.7/14, Ms3.7/4, Ms7.3/5/2

ISC 18 08:14:19.3:1.1, 29.45N:100.702E:0.09, h10km, n12, c282/12, MS3.2/3, Sichuan

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CD2, GYA, XAN, etc.

IDC 18 08:41:11.3:3.2, 54.51N:86.36E, h0km, mb1 2.8/2, mb2 2.9/4, mbtmp2.8/2, Error ellipse: s-maj=24.6km s-min=14.8km az=50.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like I46RU, ZALV, etc.

ISCJB 18 08:53:11.6:0.6, 5.7N:0.1, 32.83W:0.07, h12km, mb4.1/20, M3.6/10, Error ellipse: s-maj=19.1km s-min=10.1km az=5.3

IDC 18 08:53:11.0:0.7, 5.56N:32.96W, h0km, mb4.0/16, mb1 4.2/16, mb1mx4.0/41, mbtmp4.0/16, MS3.6/11, Ms1 3.6/11, ms1mx3.4/30, Error ellipse: s-maj=26.5km s-min=16.5km az=10.0

NEIC 18 08:53:12.1:0.6, 5.47N:32.95W, h10km, mb4.4/5, Error ellipse: s-maj=18.7km s-min=10.5km az=181.0

ISC 18 08:53:12.6:0.6, 5.5N:0.1, 32.96W:0.09, h12km, n43, c1938/31, mb4.1/20, MS3.6/10, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SACV, MDP, H10N2, etc.

ISCJB 18 08:53:12.6:0.6, 5.5N:0.1, 32.96W:0.09, h12km, n43, c1938/31, mb4.1/20, MS3.6/10, Central Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ROSC, H0S1, etc.

ISCJB 18 08:53:12.6:0.6, 5.5N:0.1, 32.96W:0.09, h12km, n43, c1938/31, mb4.1/20, MS3.6/10, Central Mid-Atlantic Ridge



Table of astronomical observations for 18 days in February 2013, 9 hours per day. Columns include station name, object name, magnitude, position angle, and other parameters.

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Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like SMKR Semkarok, BDR Baidarnaya, SRKR Sorokina, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like MK32 Makanchi Array, MKAR Makanchi Array, NV01 Mina Array Sit, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like BCA Horasan, HOMA Horasan, KOPR Koprakoy-ERZURU, etc.





251A	Midway	66.88	348	P	P	10 11 00.2	-0.4
250A	Grady	66.92	347	P	P	10 11 00.9	0.0
155A	Kite	66.94	351	P	P	10 11 00.7	-0.3
154A	Montrose	67.02	350	eP	P	10 11 01.8	+0.3
154A	Montrose	67.02	350	P	P	10 11 01.4	-0.1
249A	Camden	67.08	346	P	P	10 11 02.0	+0.2
833A	Chaparral WMA,	67.08	334	eP	P	10 11 02.8	+0.7
833A	Chaparral WMA,	67.08	334	P	P	10 11 02.7	+0.7
NHSC	New Hope	67.14	353	P	P	10 11 02.5	+0.3
TBI	Tubuai	67.15	257	eS	S	10 19 43.2	-12
TBI	Tubuai	67.15	257	eLR	LR	10 31 07.0	
TBI	Tubuai	67.15	257	eT	T	11 24 07.8	
153A	Fort Valley	67.16	349	P	P	10 11 02.3	-0.1
151A	Opelika	67.28	348	P	P	10 11 02.8	-0.4
152A	Waverly Hall	67.32	349	P	P	10 11 03.2	-0.2
HKT	Hockley	67.37	338	eP	P	10 11 04.4	+0.7
HKT	Hockley	67.37	338	eP	P	10 11 04.4	+0.7
150A	Eclectic	67.48	347	P	P	10 11 04.4	-0.1
Z55A	Blythe	67.48	351	P	P	10 11 04.2	-0.2
149A	Sparta	67.59	350	P	P	10 11 05.1	-0.1
Z54A	Jones	67.62	347	P	P	10 11 05.0	-0.3
Z53A	Monticello	67.74	350	P	P	10 11 06.2	+0.2
Z52A	Williamson	67.78	349	P	P	10 11 06.2	-0.1
GOGA	Godfrey	67.86	350	P	P	10 11 07.2	+0.4
147A	Livingston	67.99	345	eP	P	10 11 08.0	+0.4
147A	Livingston	67.99	345	P	P	10 11 08.0	+0.4
Z51A	Franklin	68.03	348	P	P	10 11 07.6	-0.3
VBMS	Vicksburg	68.05	343	eP	P	10 11 09.1	+1.1
VBMS	Vicksburg	68.05	343	P	P	10 11 08.1	+0.1
LRAL	Lakeview Retre	68.08	347	P	P	10 11 08.2	-0.1
Z50A	Ashland	68.10	348	eP	P	10 11 07.6	-0.7
Z50A	Ashland	68.10	348	P	P	10 11 08.1	-0.2
Z49A	Columbiana	68.15	347	P	P	10 11 08.3	-0.3
Y54A	Tignall	68.19	351	P	P	10 11 07.9	-1.0
Y53A	Monroe	68.31	350	P	P	10 11 09.3	-0.3
HPIC	Hog	68.37	328	eP	P	10 11 10.8	+0.4
HPIC	Hog	68.37	328	eP	P	10 11 12.2	+0.9
Y52A	Liburn	68.39	349	eP	P	10 11 09.9	-0.2
Y52A	Liburn	68.39	349	P	P	10 11 09.6	-0.5
X59A	McDuffie Farm,	68.45	354	P	P	10 11 10.0	-0.5
HODGE	Hodges	68.50	351	eP	P	10 11 11.3	+0.5
X58A	Rowland	68.50	354	P	P	10 11 10.6	-0.2
Y51A	Rockmart	68.58	349	P	P	10 11 11.5	+0.1
X56A	White Oak	68.61	352	P	P	10 11 11.6	+0.2
X55A	Gracelyn & Ava	68.65	352	P	P	10 11 11.9	+0.2
Y50A	Piedmont	68.69	348	P	P	10 11 12.3	+0.3
435B	Jarrell	68.71	337	eP	P	10 11 12.5	+0.3
435B	Jarrell	68.71	337	P	P	10 11 12.7	+0.6
Y49A	Blount Mountai	68.77	347	eP	P	10 11 12.3	-0.3
Y49A	Blount Mountai	68.77	347	P	P	10 11 12.1	-0.4
X53A	Estanolee	68.90	350	P	P	10 11 12.8	-0.5
Y48A	Jasper	68.97	347	P	P	10 11 13.5	-0.3
PAUL	Pauline	69.02	352	eP	P	10 11 14.3	+0.3
CNCC	Cliffs of the	69.06	355	P	P	10 11 14.5	+0.3
X52A	Dahlonega	69.09	350	P	P	10 11 15.3	+0.8
JCT	Junction City	69.19	335	eP	P	10 11 15.2	0.0
JCT	Junction City	69.19	335	eP	P	10 11 15.2	0.0
JCT	Junction City	69.19	335	eP	P	10 11 15.2	0.0
JCT	Junction City	69.19	335	eP	P	10 11 15.2	0.0
X51A	Calhoun	69.20	349	eP	P	10 11 14.9	-0.2
X51A	Calhoun	69.20	349	P	P	10 11 15.0	-0.2
X50B	Fort Payne	69.23	348	P	P	10 11 15.1	-0.3
KMSC	Kings Mountain	69.28	352	P	P	10 11 15.0	-0.6
X49A	Woodville	69.40	348	P	P	10 11 15.9	-0.5
X48A	Hartselle	69.47	347	eP	P	10 11 17.2	+0.4
X48A	Hartselle	69.47	347	P	P	10 11 16.8	0.0
W53A	Cullowhee	69.54	350	P	P	10 11 17.3	-0.1
W52A	Murphy	69.57	350	P	P	10 11 17.1	-0.4
Z41A	Richland Creek	69.61	342	eP	P	10 11 19.3	+1.6
Z41A	Richland Creek	69.61	342	P	P	10 11 17.0	-0.7
LTX	Lajitas	69.62	331	eP	P	10 11 18.8	+0.8
LTX	Lajitas	69.62	331	eP	P	10 11 18.8	+0.8
TXAR	Lajitas Array	69.62	331	P	P	10 11 18.8	+0.8
TXAR	Lajitas Array	69.62	331	P	P	10 37 31.1	
TXAR	Lajitas Array	69.62	331	P	P	10 11 17.7	-0.5
TVO	Taravog	69.69	262	eT	T	11 27 20.8	
W51A	Cleveland	69.77	349	P	P	10 11 18.4	-0.3
Y43A	Makayla and Ka	69.77	344	P	P	10 11 18.5	-0.1
WHXT	Lake Whitney,	69.78	337	P	P	10 11 18.5	-0.3
X46A	Booneville	69.87	346	P	P	10 11 19.5	+0.2
TIAR	Tiarei	69.88	262	eT	T	11 27 35.2	
W50A	Signal Mountai	69.89	349	eP	P	10 11 19.6	+0.1
W50A	Signal Mountai	69.89	349	P	P	10 11 19.4	-0.1
W49A	Belvidere	69.98	348	P	P	10 11 20.0	+0.1
V53A	Saluda	69.98	351	eP	P	10 11 19.9	-0.2
V53A	Saluda	69.98	351	P	P	10 11 19.8	-0.2

OXF	Oxford	70.00	345	eP	P	10 11 20.4	+0.3
OXF	Oxford	70.00	345	eP	P	10 11 20.4	+0.3
OXF	Oxford	70.00	345	eP	P	10 11 19.7	-0.4
CPCT	Cooper Cave	70.01	349	eP	P	10 11 20.4	+0.3
SWET	Sevierville	70.01	348	eP	P	10 11 20.7	+0.5
PPT2	Papeete2	70.06	262	eS	S	10 20 18.7	-12
PPT2	Papeete2	70.06	262	eLR	LR	10 32 30.4	
PPT	Papeete	70.07	262	LR	LR	10 34 58.8	
WLAR	White Oak Lake	70.10	342	eP	P	10 11 22.0	+1.3
TKL	Tuckaleechee C	70.11	350	eP	P	10 11 20.9	+0.2
TKL	Tuckaleechee C	70.11	350	eP	P	10 11 20.9	+0.2
W48A	Pulaski	70.11	347	P	P	10 11 20.8	-0.1
PLAL	Pickwick Lake	70.18	346	eP	P	10 11 20.7	-0.5
V52A	Sevierville	70.26	350	eP	P	10 11 21.7	0.0
V52A	Sevierville	70.26	350	P	P	10 11 21.2	-0.5
V50A	Pikeville	70.32	349	P	P	10 11 22.0	-0.1
V51A	Loudon	70.33	350	P	P	10 11 21.8	-0.3
W47A	Westpoint	70.35	347	P	P	10 11 21.7	-0.5
V49A	McMinnville	70.55	348	P	P	10 11 22.9	-0.5
W45A	Hickory Valley	70.58	345	P	P	10 11 23.9	+0.3
U53A	Fall Branch	70.64	351	P	P	10 11 24.3	+0.2
V48A	Smith Brothers	70.68	347	eP	P	10 11 23.5	-0.7
V48A	Smith Brothers	70.68	347	P	P	10 11 23.9	-0.4
U52A	Thorn Hill	70.77	351	P	P	10 11 24.6	-0.2
U51A	La Follette	70.85	350	P	P	10 11 25.0	-0.3
V47A	Nunnely	70.89	347	P	P	10 11 24.8	-0.7
U4LR	University of	70.94	343	eP	P	10 11 24.8	+1.1
V46A	Holladay	70.98	346	P	P	10 11 25.9	-0.1
U50A	Jamestown	71.01	349	P	P	10 11 26.1	-0.2
MIAR	Mount Ida	71.03	341	eP	P	10 11 27.1	+0.7
MIAR	Mount Ida	71.03	341	eP	P	10 11 27.1	+0.7
MIAR	Mount Ida	71.03	341	eP	P	10 11 26.9	+0.5
MIAR	Mount Ida	71.03	341	P	P	10 11 27.7	+0.1
ABTX	Abilene, Hawle	71.08	336	eP	P	10 11 27.6	+0.7
ABTX	Abilene, Hawle	71.08	336	P	P	10 11 27.1	+0.3
V45A	Humboldt	71.09	346	P	P	10 11 26.6	-0.1
T54A	Taxwell	71.21	352	P	P	10 11 27.1	-0.4
BLA	Blacksburg	71.23	353	P	P	10 11 27.4	-0.2
T53A	Wise	71.24	351	P	P	10 11 27.7	0.0
WVT	Waverly	71.25	347	eP	P	10 11 27.2	-0.4
WVT	Waverly	71.25	347	eP	P	10 11 27.3	-0.4
WVT	Waverly	71.25	347	eP	P	10 11 27.7	+0.1
U49A	Red Boiling Sp	71.25	349	P	P	10 11 27.8	+0.1
W41B	Gary Mavity, V	71.29	343	P	P	10 11 28.1	+0.2
U48A	Cassie Pea, Po	71.38	348	P	P	10 11 29.1	+0.6
WHAR	Woolly Hollow	71.41	343	eP	P	10 11 28.6	0.0
T51A	Gray	71.42	350	P	P	10 11 29.1	+0.4
T52A	Hallie	71.42	351	P	P	10 11 29.2	+0.5
U47A	Clarksville	71.45	347	P	P	10 11 28.8	0.0
V43A	Jonesboro	71.48	344	P	P	10 11 29.4	+0.3
U46A	Springville	71.53	346	P	P	10 11 29.7	+0.3
T50A	Nancy	71.60	349	P	P	10 11 30.0	+0.2
U45A	Rockin P Farm,	71.64	346	P	P	10 11 29.9	-0.1
W39A	Magazine	71.70	342	eP	P	10 11 31.2	+0.7
W39A	Magazine	71.70	342	P	P	10 11 31.1	+0.7
R58B	Mineral	71.77	355	P	P	10 11 31.4	+0.6
T49A	Edmonton	71.79	349	eP	P	10 11 30.9	-0.1
T49A	Edmonton	71.79	349	P	P	10 11 30.6	-0.4
S55A	Lewisburg	71.80	353	P	P	10 11 31.6	+0.6
S53A	Williamson	71.88	352	P	P	10 11 31.8	+0.2
T48A	Bowling Green	71.94	348	P	P	10 11 31.1	-0.7
T47A	Sharon Grove	71.94	348	eP	P	10 11 31.6	-0.3
T47A	Sharon Grove	71.94	348	P	P	10 11 31.4	-0.5
U44A	Portageville	71.98	345	P	P	10 11 32.2	+0.1
S52A	Salyersville	72.00	351	P	P	10 11 31.9	-0.3
S51A	Beattyville	72.03	351	eP	P	10 11 32.8	+0.5
S51A	Beattyville	72.03	351	P	P	10 11 32.2	-0.2
T46A	Princeton	72.14	347	P	P	10 11 33.0	0.0
U42A	Revdenden	72.17	344	P	P	10 11 33.2	0.0
S50A	Richmond	72.18	350	P	P	10 11 33.3	+0.1
R54A	Victor	72.25	353	P	P	10 11 34.1	+0.4
R55A	Marlinton	72.26	354	P	P	10 11 33.7	-0.1
T45A	Paducah	72.27	346	P	P	10 11 34.0	+0.2
U41A	Viola	72.33	343	P	P	10 11 34.5	+0.3
MNTX	Cornudas Mount	72.40	331	eP	P	10 11 34.6	-0.1
MNTX	Cornudas Mount	72.40	331	P	P	10 11 34.7	-0.1
PBMO	Poplar Bluff	72.40	345	eP	P	10 11 35.0	+0.5
S48A	Wiedeman Farm,	72.42	349	P	P	10 11 34.3	-0.4
S49A	Springfield	72.42	349	P	P	10 11 34.3	-0.4
S47A	Hartford	72.42	348	P	P	10 11 34.5	-0.6
R53A	Hurricane	72.50	352	P	P	10 11 34.5	-0.6
T44A	Benton	72.52	346	P	P	10 11 35.6	+0.3
U40A	Yellville	72.56	343	P	P	10 11 35.5	-0.1
R52A	Catlettsburg	72.59	351	P	P	10 11 35.1	-0.6

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18d 10h

Table with columns: ID, Name, Time, P, S, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like N53A Lisbon, N54A Moraine State, N52A McGinn's Farm, etc.

2013 FEB

Table with columns: ID, Name, Time, P, S, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like PKRO Pickering, I51A Listowel, LBNH Lisbon, etc.

1400

Table with columns: ID, Name, Time, P, S, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z. Includes entries like D53A Lac Vacive, O20A White River Ci, PHWY Pilot Hill, etc.

Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like MDND Maddock, IMW Indian Meadow, FLWY Flag Ranch, PAHR Pah Rah Range, etc.

Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like VSR Storozevoye, LPSR Galich'ya Gora, KLMR Klimovskoe, etc.

Table with columns: Station, Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like DGZ Juzrat, WMQ Uzumqi, WMQ Ching Mai Arr, etc.

ISCJB 18 10:04:36.72, 2.33, 965.0, 0.06, 72.50W, 0.09, 1.4km, 1.7km, mb3.7/2, Error ellipse: s-maj=13.3km s-min=9.6km az=155.0

IDC 18 10:04:36.9, 1.8, 33, 79S, 72.03W, h0km, mb3.7/2, mb1.4/3.4, mb1mx3.9/37, mbtmp4.2/4, ML3.5/1, Error ellipse: s-maj=65.8km s-min=45.7km az=80.0

GUC 18 10:04:37.7, 0.6, 34, 02S, 72.50W, h38km, 6km, ML3.9, ISC 18 10:04:38.1, 2.4, 34, 0S, 0.1, 72.40W, 0.10, h13km, 17km, n13, 0857/18, Off coast of central Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Rate Error, Elevation Rate Error. Includes stations like CHPI Pichilemu, ROCH El Roble, PEL Peldehue, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PDAR Pinedale Array, NVAR Mina Array Be, TOAD Torodi Ar. Sit, etc.

ISK 18 10:40:09.0, 39.93N, 33.09E, h13km, ML1.9/5
ISCJB 18 10:40:10.6, 0.6, 39.87N, 0.04, 33.08E, 0.05, h9km, Error ellipse: s-maj=6.1km s-min=4.6km az=32.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ANTO Ankara, ANTO Lodumlu, LOD Lodumlu, etc.

BUI 18 10:50:38.8, 10.54S, 165.87E, h9km, mB5.3/41, mb4.9/54, Ms5.1/36, Ms7.4/9/36
NEIC 18 10:50:40.5, 0.1, 10.79S, 165.60E, h10km, mb5.1/111, Error ellipse: s-maj=3.8km s-min=2.8km az=111.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.

ISD 18 10:50:44.7, 2.1, 10.88S, 165.70E, h40km, 17km, mb4.5/25, mb1.4/7/27, ms1mx4.6/43, mbmp4.8/27, ML5.3/2, MS4.9/27, Ms1.4/9/27, ms1mx4.7/43 Error ellipse: s-maj=16.9km s-min=12.0km az=90.0
ISC 18 10:50:43.5, 0.3, 10.86S, 0.05, 165.72E, 0.05, h30km, n342, s131/359, mb5.0/158, MS4.9/46, 12C-7D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PINNC Pines Island, MSVF Nonsavu, MSVF Nonsavu, TARA Tarawa, etc.

ISK 18 10:40:09.0, 39.93N, 33.09E, h13km, ML1.9/5
ISCJB 18 10:40:10.6, 0.6, 39.87N, 0.04, 33.08E, 0.05, h9km, Error ellipse: s-maj=6.1km s-min=4.6km az=32.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

ISK 18 10:40:09.0, 39.93N, 33.09E, h13km, ML1.9/5
ISCJB 18 10:40:10.6, 0.6, 39.87N, 0.04, 33.08E, 0.05, h9km, Error ellipse: s-maj=6.1km s-min=4.6km az=32.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

ISK 18 10:40:09.0, 39.93N, 33.09E, h13km, ML1.9/5
ISCJB 18 10:40:10.6, 0.6, 39.87N, 0.04, 33.08E, 0.05, h9km, Error ellipse: s-maj=6.1km s-min=4.6km az=32.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MAT Matsuhiro, JNU Nakatsue, JNU Nakatsue, etc.

ISK 18 10:40:09.0, 39.93N, 33.09E, h13km, ML1.9/5
ISCJB 18 10:40:10.6, 0.6, 39.87N, 0.04, 33.08E, 0.05, h9km, Error ellipse: s-maj=6.1km s-min=4.6km az=32.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VNA Vanda, VNA Vanda, VNA Vanda, etc.

ISK 18 10:40:09.0, 39.93N, 33.09E, h13km, ML1.9/5
ISCJB 18 10:40:10.6, 0.6, 39.87N, 0.04, 33.08E, 0.05, h9km, Error ellipse: s-maj=6.1km s-min=4.6km az=32.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like XAN Xian, XAN Xian, XAN Xian, etc.

ISK 18 10:40:09.0, 39.93N, 33.09E, h13km, ML1.9/5
ISCJB 18 10:40:10.6, 0.6, 39.87N, 0.04, 33.08E, 0.05, h9km, Error ellipse: s-maj=6.1km s-min=4.6km az=32.3











18d 11h

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, etc. Includes stations like WAKE ISLAND Hy, Talaya, ZAK, LZH, etc.

2013 FEB

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, etc. Includes stations like KKAR, SVE, NIL, ARU, etc.

1408

Table with columns: Call sign, Name, Frequency, Mode, Power, Direction, etc. Includes stations like BRG, Kasperke Hory, GEOAO, etc.





18d 12h

Table with columns: Station Name, Time, Azimuth, Phase ID, Time Res, and Residual. Includes stations like GUN, KKN, CD2, KOLN, ENH, DANN, etc.

2013 FEB

Table with columns: Station Name, Time, Azimuth, Phase ID, Time Res, and Residual. Includes stations like MAKZ, KK31, KKAR, BBOO, MAJO, etc.

1410

Table with columns: Station Name, Time, Azimuth, Phase ID, Time Res, and Residual. Includes stations like RIZ, RIZ, MXZ, MXZ, etc.

Table with columns: Call Sign, Name, Time, Frequency, Mode, and other details. Includes stations like SNZO, PLWZ, BHW, etc.

Table with columns: Call Sign, Name, Time, Frequency, Mode, and other details. Includes stations like TVO, TIAR, TIAR, etc.

Table with columns: Call Sign, Name, Time, Frequency, Mode, and other details. Includes stations like VNDA, VJAY, GENI, etc.

18d 12h

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like BUKS, LUWI, APSI, DNP, PCI, etc.

2013 FEB

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like ERM, MYKOM, KGM, YUK, etc.

1412

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like PAGR, SAO, SAO, SAO, etc.





LZH		SKS	SKSac	12 43 28.8	-2.1				
LZH		S	ScS	12 44 23.0	-0.2				
LZH		sS	sS	12 44 42.0	+0.9				
LZH		SS	SS	12 51 12.9	+1.5				
LZH	comp=Z,29nm,1.3s								
LZH	comp=Z,280nm,4.8s								
LZH	comp=Z,860nm,18.1s								
LZH	comp=Z,850nm,18.8s								
LZH	comp=Z,1.1um,19.3s								
MYIG	Mirida	98.94	71	PFAKE	LR	12 33 10.0	+1.4		
MYIG									
RDOG	Red Dog Mine	99.05	6	eP	Pdif	12 32 55.9	+1.0		
RDOG	comp=Z,40nm,1.6s								
RDOG	comp=Z,2.2um,21.0s								
PRP	Porcupine Dome	99.10	13	eP	Pdif	12 32 55.0	-0.3		
PRP	comp=Z,28nm,1.4s								
BILL	Billibino	99.10	354	eP	Pdif	12 32 54.7	-0.4		
BILL	comp=Z,9.7nm,1.0s								
BILL	Billibino	99.10	354	eP	Pdif	12 32 55.5	+0.4		
BILL	comp=Z,2.4nm,1.9s								
EGMT	Eagleton	99.28	39	PFAKE	LR	12 33 10.0	+1.3		
EGMT									
EGMT	Eagleton	99.28	39	Pdif	Pdif	12 32 57.9	+1.4		
EGMT	comp=Z,2.2um,19.0s								
EGMT	Eagle	99.37	15	eP	Pdif	12 32 57.1	+0.7		
EGMT	comp=Z,1.7nm,1.0s								
EGAK									
CPUP	comp=Z,2.2um,20.0s								
CPUP	Villa Florida	99.80	128	P	Pdif	12 33 00.7	+1.3		
CPUP	comp=Z,4.3nm,1.0s,baz=242,slow=5.8,SNR=6.6								
CPUP	comp=Z,3.9nm,0.8s,baz=46,slow=1.4,SNR=6.6								
CPUP	comp=Z,1.2um,21.5s,baz=246,slow=30								
CPUP	Villa Florida	99.80	128	eP	Pdif	13 10 10.9			
CPUP	Fort Yukon	100.08	13	PFAKE	LR	12 33 10.0	+1.0		
CPUP									
CBKS	Cedar Bluff	100.33	51	Pdif	Pdif	12 33 02.0	+0.6		
CBKS	comp=Z,1.1um,19.0s								
RSSD	Black Hills	100.38	45	ePdif	Pdif	12 33 02.3	+0.6		
RSSD	comp=Z,2um,19.0s								
RSSD	Black Hills	100.38	45	eP	Pdif	12 33 02.3	+0.6		
RSSD	comp=Z,2um,19.0s								
RSSD	Black Hills	100.38	45	Pdif	Pdif	12 33 02.7	+1.0		
RSSD	comp=Z,2um,19.0s								
LAO	LASA Array	100.49	42	PFAKE	LR	12 33 10.0	+8.1		
LAO	comp=Z,1.1um,20.0s								
LAO	LASA Array	100.49	42	Pdif	Pdif	12 33 03.0	+1.1		
LAO	comp=Z,2um,20.0s								
TOLK	Toolik Lake Re	101.21	10	ePdif	Pdif	12 33 05.9	+1.3		
TOLK	comp=Z,1.1um,19.0s								
TOLK	Toolik Lake Re	101.21	10	Pdif	Pdif	12 33 06.5	+1.9		
TOLK	comp=Z,2um,20.0s								
X37A	Clayton	101.24	57	PFAKE	LR	12 33 20.0	+1.5		
X37A	comp=Z,2um,21.0s								
YAK	Yakutsk	101.50	338	eP	Pdif	12 33 05.6	-0.3		
YAK	comp=Z,38nm,0.9s								
YAK	comp=N,5.0nm,0.9s								
YAK	comp=E,23nm,1.1s								
EPYK	Eagle Plains	101.72	16	Pdif	Pdif	12 33 08.6	+1.7		
EPYK	comp=Z,2um,19.0s								
Z41A	Richard Creek	102.47	59	Pdif	Pdif	12 33 11.1	+0.1		
Z41A	comp=Z,2um,19.0s								
MIAR	Mount Ida	102.52	57	Pdif	Pdif	12 33 11.2	0.0		
MIAR	comp=Z,2um,19.0s								
DGMT	Dagmar	102.61	41	Pdif	Pdif	12 33 12.2	+0.9		
DGMT	comp=Z,2um,20.0s								
W39A	Magazine	102.68	57	PFAKE	LR	12 33 20.0	+8.2		
W39A	comp=Z,3um,22.0s								
SHL	Shilong	102.71	292	PFAKE	LR	12 33 20.0	+7.6		
SHL	comp=Z,1.1um,22.0s								
SHL	Shilong	102.71	292	eP	Pdif	12 33 12.5	0.0		
SHL	Basin Creek Fa	103.03	58	PFAKE	LR	12 33 30.0	+1.7		
SHL	comp=Z,1.1um,19.0s								
SONA0	Songino Array	103.36	318	ePdif	Pdif	12 33 14.1	-0.6		
SONA0	comp=Z,2um,20.0s								
SONA1	Songino Array	103.36	318	Pdif	Pdif	12 33 14.1	-0.6		
SONA1	comp=Z,0.6nm,0.5s,baz=134,slow=4.3,SNR=6.4								
SONM	Songino Array	103.36	318	ePdif	Pdif	12 33 14.1	-0.6		
SONM	comp=Z,1.5nm,0.8s,baz=278,slow=2.3,SNR=6.8								
SONM	Songino Array	103.36	318	ePdif	Pdif	12 33 14.2	-0.6		
SONM	comp=Z,0.8nm,0.5s,baz=134,slow=4.3,SNR=6.4								
SONM	Pallekele	103.41	271	PFAKE	LR	12 33 30.0	+1.4		
SONM	comp=Z,2um,20.0s								
WHAR	Wooly Woolf	103.80	57	PFAKE	LR	12 33 30.0	+1.3		
WHAR	comp=Z,1.1um,20.0s								
INK	Inuvik	104.02	16	ePdif	Pdif	12 33 17.6	+0.7		
INK	comp=Z,1.1um,20.0s								
INK	Inuvik	104.02	16	eP	Pdif	12 33 18.3	+1.3		
INK	comp=Z,4.3nm,1.1s,baz=199,slow=6.8,SNR=5.6								
INK	Inuvik	104.02	16	Pdif	Pdif	12 37 33.1	-0.9		
INK	comp=Z,8.1nm,1.0s,baz=192,slow=5.5,SNR=7.9								
ROSC	El Rosal	104.18	93	PFAKE	LR	12 33 30.0	+1.0		
ROSC	comp=Z,1.1um,22.0s								
LSA	Lhasa	105.18	296	PFAKE	LR	12 37 50.0	+1.2		
LSA	comp=Z,801nm,22.0s								
424A	Van Buren	105.46	56	PFAKE	LR	12 37 50.0	+1.2		
424A	comp=Z,2um,20.0s								
OXF	Oxford	105.55	59	PFAKE	LR	12 37 50.0	+1.2		
OXF	comp=Z,2um,20.0s								
147A	Livingston	105.58	61	PFAKE	LR	12 37 50.0	+1.2		
147A	comp=Z,1.1um,22.0s								
YKA	Yellowknife Ar	105.66	26	Pdif	Pdif	12 33 24.5	+0.1		
YKA	comp=Z,1.0nm,1.0s,baz=234,slow=3.9,SNR=7.1								
YKA	comp=Z,1.1nm,0.6s,baz=261,slow=1.7,SNR=24								
YKA	comp=Z,4.3nm,0.7s,baz=34,slow=3.3,SNR=12								
YKA	comp=Z,0.8nm,0.9s,baz=50,slow=2.3,SNR=6.7								
HALT	Halls	106.22	58	PFAKE	LR	12 37 50.0	+1.1		
HALT	comp=Z,1.1um,22.0s								
ZAK	Zakamensk	106.40	319	eP	Pdif	12 33 27.6	-0.5		
ZAK	comp=Z,2.0nm,1.0s								
MDRS	Chennai	106.60	276	eP	Pdif	12 33 27.8	-1.9		
MDRS	comp=Z,2.0nm,1.0s								
BOK	Bokaro	106.75	288	eP	Pdif	12 33 29.5	-0.7		
BOK	comp=Z,2.0nm,1.0s								
TLY	Talaya	106.81	320	PFAKE	LR	12 37 50.0	+1.0		
TLY	comp=Z,901nm,21.0s								
TLY	Talaya	106.81	320	eP	Pdif	12 33 35.2	+5.4		
TLY	comp=Z,1.1um,22.0s								
TLY	Talaya	106.81	320	eSS	SS	12 53 02.6	+3.1		
TLY	comp=Z,6.0nm,0.9s								
TRD	Triandrum	107.24	270	eP	Pdif	12 33 30.7	-1.9		
TRD	comp=Z,1.1um,18.0s								
SPB	San Paulo	108.17	133	PFAKE	LR	12 37 50.0	+6.8		
SPB	comp=Z,2um,22.0s								
L42A	Oliver, Polo	108.61	52	PKIKP	PKIKP	12 37 45.3	+1.9		
L42A	comp=Z,2um,22.0s								
SDV	Santo Domingo	109.35	91	PFAKE	LR	12 38 00.0	+1.4		
SDV	comp=Z,3um,19.0s								
F39A	Loretta	109.40	46	PKIKP	PKIKP	12 37 47.2	+2.5		
F39A	comp=Z,2um,22.0s								
154A	Montrose	109.49	63	PFAKE	LR	12 38 00.0	+1.5		
154A	comp=Z,2um,22.0s								

HMDM	Hanimaadhooh	109.64	266	PFAKE	LR	12 38 00.0	+1.4		
HMDM	comp=Z,1um,20.0s								
E39A	Metlet	109.82	47	PKIKP	PKIKP	12 37 47.1	+1.6		
E39A	comp=Z,2um,22.0s								
EYMM	Ely	109.87	46	PKIKP	PKIKP	12 37 47.4	+1.9		
EYMM	comp=Z,2um,22.0s								
155A	Kite	109.99	63	PKIKP	PKIKP	12 37 47.5	+1.3		
155A	comp=Z,2um,22.0s								
HYB	Hyderabad	110.05	279	eP	Pdif	12 33 43.0	-2.1		
HYB	comp=Z,2um,22.0s								
E40A	Wakefield	110.26	47	PKIKP	PKIKP	12 37 48.0	+1.6		
E40A	comp=Z,2um,22.0s								
MNCI	Minicoy	110.49	268	PFAKE	LR	12 38 00.0	+1.2		
MNCI	comp=Z,3um,21.0s								
F41A	Three Lakes	110.49	48	PKIKP	PKIKP	12 37 49.0	+2.1		
F41A	comp=Z,2um,22.0s								
S50A	Richmond	110.56	58	PKIKP	PKIKP	12 37 48.4	+1.2		
S50A	comp=Z,2um,22.0s								
R50A	Paris	110.85	57	PKIKP	PKIKP	12 37 49.5	+1.8		
R50A	comp=Z,2um,22.0s								
V53A	Saluda	110.94	60	PKIKP	PKIKP	12 37 49.8	+1.7		
V53A	comp=Z,2um,22.0s								
U53A	Fall Branch	111.39	60	PKIKP	PKIKP	12 37 50.3	+1.4		
U53A	comp=Z,2um,22.0s								
N49A	Columbus Grove	111.57	55	PKIKP	PKIKP	12 37 50.8	+1.1		
N49A	comp=Z,2um,22.0s								
G0A	Goa	113.23	275	eP	PKIKP	12 37 51.0	-1.8		
G0A	comp=Z,2um,22.0s								
O52A	Adamsville	113.33	56	PFAKE	LR	12 38 00.0	+7.6		
O52A	comp=Z,2um,22.0s								
L50A	Kimberly	113.33	54	PKIKP	PKIKP	12 37 54.1	+1.8		
L50A	comp=Z,2um,22.0s								
BDFB	Brasilia	113.39	126	PFAKE	LR	12 38 00.0	+6.6		
BDFB	comp=Z,3um,21.0s								
BDFB	Brasilia	113.39	126	PKKPbc	PKKPbc	12 48 39.3	+2.1		
BDFB	comp=Z,4.5nm,0.7s,baz=152,slow=7.3,SNR=3.5								
WMQ	Urumqi	113.42	308	PKP	PKP	12 37 51.8	-0.7		
WMQ	comp=Z,930nm,6.3s								







18d 12h

Table with columns for station name, frequency, and various technical parameters. Includes stations like KRUC Moravsky, STRD Stroud, RZN Rozhen, etc.

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Table with columns for station name, frequency, and various technical parameters. Includes stations like WTTA Wattenberg, ANX Ano Chora, VLX Vlachokherasia, etc.

1418

Table with columns for station name, frequency, and various technical parameters. Includes stations like MTE Monteigas, MTE Monteigas, MTE Monteigas, etc.



18d 13h

Table with columns for station name, frequency, power, and other technical details. Includes stations like KAPS Kapalarasan, BTLS Baital, GAR Garm, etc.

2013 FEB

Table with columns for station name, frequency, power, and other technical details. Includes stations like ZALV Zalesovo Beam, RAMM Ramite, LSA Lhasa, etc.

1420

Table with columns for station name, frequency, power, and other technical details. Includes stations like GNI comp=Z,46nm,1.1s, GNI Garni, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like APA, VSU, MSF, FINESS, MLR, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like BFO, HMF, SENIN, HAU, LPL, etc.

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like COEN, MTN, WRAB, WB2, etc.

Additional information and notes at the bottom of the page, including ICD and NEIC codes and a table for the New Ireland region.



18d 13h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like HLID, TMUT, MPY, SPUT, etc.

2013 FEB

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like Santo Domingo, Tame, Arauca, etc.

1422

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC. Lists various stations like FREYUNG INFRAS, AKTYUBINSK, etc.

ISCJB 18 13:45.5:0.1, 9:25N:0.0:4:69:75W:0.0:4, h7km, mb4.1/1.5, MS5.0/2, Error ellipse: s-maj=6.6km s-min=3.3km az=145.0

ASAR Alice Springs 153.19 235 PKPbc PKPbc 13 34 46.2 -0.2 comp=N, 0.5nm, 0.9s, baz=114, slow=2.3, SNR=4.4

AAK Ala-Archa 3.61 318 P Pn 13 34 46.1 +1.8 comp=N, 0.2nm, 0.4s, baz=107, slow=2.8, SNR=5.6





Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ABKAR Akbulak array, STKA Stephens Creek, KBZ Khabaz, etc.

ISK 18 15:31:00.1, 38°51'N, 40°70'E, h1km, ML2/2/6
DDA 18 15:31:01.8, 38°53'N, 40°74'E, h7km, 4km, ML2/7
ISC 18 15:31:01.1, 4, 38°53'N, 40°72'E, h7km, 12km, n13, e067/22, Turkey

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HANI Diyarbakir\_Han, BGOL Bingol, BNGB Bingli, etc.

MEX 18 15:37:01.0, 0.6, 16°41'N, 98°20'W, h20km, 5km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PNIG Pinotepa, VHO Vista Hermosa, etc.

ISC 18 15:38:53.1, 2.2, 22°06'N, 143°06'E, h234km, 23km, mb3.0/5, mb1 3.2/6, mb1mx2.9/37, mbtmp3.7/6, Error ellipse: s-maj=48.1km s-min=15.4km az=95.0, Volcano Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JCJ Chichijima, KLR Kul'dur, WRA Warramunga Arr, etc.

MEX 18 15:43:50.1, 1.0, 16°30'N, 99°30'W, h3km, 28km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CAIG El Cayaco, MEIG Muecala, ARIG Puente Sto Nin, etc.

ISC 18 15:44:27.0, 4.7, 21°47'N, 145°03'E, h123km, 32km, mb3.4/6, mb1 3.5/7, mb1mx3.2/43, mbtmp3.8/7, Error ellipse: s-maj=98.8km s-min=17.5km az=82.0, Mariana Islands region

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JCJ Chichijima, WRA Warramunga Arr, ASAR Alca Springs, etc.

ISC 18 15:57:24.3, 1.9, 3°35'S, 109°28'W, h0km, mb3.7/8, mb1 4.0/8, mb1mx3.9/26, mbtmp3.7/8, Error ellipse: s-maj=47.8km s-min=26.2km az=51.0

ISC 18 15:57:25.3, 1.3, 9°45'0.3, 109°33'W, 0.3, h10km, n19, e066/14, mb3.7/8, Central East Pacific Rise

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TAOE Nuku Hiva Isla, TXAR Lajitas Array, TXAR Papete2, etc.

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ULM Lac du Bonnet, YKA Yellowknife Arr, ILAR Eielson Array, etc.

ISC 18 15:58:23.7, 2.6, 9°28'S, 109°65'W, h0km, mb3.5/3, mb1 4.0/3, mb1mx3.6/26, mbtmp3.5/3, MS3.8/4, Ms1 3.8/4, ms1mx3.5/22, Error ellipse: s-maj=152.8km s-min=58.4km az=95.0, Central East Pacific Rise

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like RPN Rapa Nui, LVC Limon Verde, SDV Mina Array Bea, etc.

NIED 18 16:01:00.24, 80N, 125°40'E, h47km, Mw4.4 Best double couple: M4.39000, 1015° NP1, 196.00000°, 816.00000°, 153.00000°. NP2, 195.00000°, 877.00000°, 100.00000°. ISCJB 18 16:01:58.0, 0.3, 25°09'N, 05°125'25'E, 0.4, h41km, 5km, mb4.5/89, MS3.5/9, Error ellipse: s-maj=9.4km s-min=4.3km az=156.1

JMA 18 16:01:58.3, 0.1, 24°81'N, 125°38'E, h49km, 1km, M4.5 JMA Felt III J1

NEIC 18 16:01:58.3, 0.3, 25°61'N, 125°05'E, h10km, mb4.8/38, Error ellipse: s-maj=7.6km s-min=5.3km az=154.0

NEIC Recorded [3 JMA] on Miyako-jima. MOS 18 16:01:59.9, 1.2, 25°30'N, 125°09'E, h34km, mb4.8/35, Error ellipse: s-maj=9.6km s-min=5.9km az=114.9

ISC 18 16:01:59.2, 0.3, 24°87'N, 125°39'E, h48km, 21km, mb4.0/27, mb1 4.1/30, mb1mx4.0/55, mbtmp4.2/30, ML3.1/4, MS3.3/11, Ms1 3.3/11, ms1mx3.1/51, Error ellipse: s-maj=16.2km s-min=14.4km az=86.0

ISC 18 16:01:58.6, 0.5, 24°89'N, 125°33'E, 0.05, h45km, 4km, n189, e135/192, mb4.5/95, MS3.5/10, 13C-10D, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like JMJ Miyako jima 2, JIKM Ikemajima, JOGS Guskubue, etc.

NACS Ninganchiao 3.48 259 ePn Pn 16 02 50.3 +0.1 TAO Taipei 3.49 272 ePn Pn 16 02 53.0 +2.6 YHNB Yeheng 3.60 267 ePn Pn 16 02 53.8 +1.8 YULB Yu-li 3.97 249 ePn Pn 16 02 55.1 -2.0

SSLB Suwanglung 4.14 256 ePn Pn 16 02 58.7 +0.7 TWG Pingtung 4.41 243 ePn Pn 16 03 00.7 -2.4 TPUB Ta-pu 4.58 251 ePn Pn 16 03 05.6 +0.2 NJ2 Nanjing 9.13 323 ePn Pn 16 04 00.9 -6.9

comp=Z,10.0nm,0.5s JNU Nukatsuue 9.53 29 ePn Pn 16 04 08.8 +5.5 JNU Nukatsuue 9.53 29 ePn Pn 16 04 13.8 +0.5

comp=Z,37nm,18.8s,baz=182,slow=1 KSRAR Wouji Array Be 12.71 9 ePn Pn 16 04 58.1 +1.5 KSRAR Wouji Array Be 12.71 9 ePn Pn 16 04 58.1 +1.5 KSRAR Korea Array 12.72 9 ePn Pn 16 04 58.1 +1.3

comp=Z,88nm,19.4s,baz=174,slow=38 ENH Enshi 15.04 294 ePn Pn 16 05 24.5 -3.7 JCJ Chichijima 15.31 78 LR LR 16 10 29.7

MAJO Matsushiro 16.03 41 ePn Pn 16 05 39.1 -1.8 MAJO Matsushiro 16.03 41 ePn Pn 16 05 39.2 -1.8 MAJO Matsushiro 16.03 41 ePn Pn 16 05 41.8 +0.9

comp=Z,72nm,18.3s,baz=55,slow=37 MJAR Matsui-Tunnel 16.03 41 ePn Pn 16 05 39.1 -1.9 MJAR Matsui-Tunnel 16.03 41 ePn Pn 16 05 39.1 -1.9

comp=Z,43nm,1.6s XAN Xi'an 16.94 306 pP pPmax 16 05 55.6 +1.7 XAN Xi'an 16.94 306 pP pPmax 16 06 07.3 +3.2

comp=Z,7.0nm,1.1s XAN Xi'an 16.94 306 pP pPmax 16 05 48.0 -4.4 XAN Xi'an 16.94 306 pP pPmax 16 05 48.0 -4.4

comp=Z,270nm,17.3s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CD2, CD2, CD2, etc.

ISC 18 16:01:58.3, 0.3, 25°09'N, 05°125'25'E, 0.4, h41km, 5km, mb4.5/89, MS3.5/9, Error ellipse: s-maj=9.4km s-min=4.3km az=156.1

JMA 18 16:01:58.3, 0.1, 24°81'N, 125°38'E, h49km, 1km, M4.5 JMA Felt III J1

NEIC 18 16:01:58.3, 0.3, 25°61'N, 125°05'E, h10km, mb4.8/38, Error ellipse: s-maj=7.6km s-min=5.3km az=154.0

NEIC Recorded [3 JMA] on Miyako-jima. MOS 18 16:01:59.9, 1.2, 25°30'N, 125°09'E, h34km, mb4.8/35, Error ellipse: s-maj=9.6km s-min=5.9km az=114.9

ISC 18 16:01:59.2, 0.3, 24°87'N, 125°39'E, h48km, 21km, mb4.0/27, mb1 4.1/30, mb1mx4.0/55, mbtmp4.2/30, ML3.1/4, MS3.3/11, Ms1 3.3/11, ms1mx3.1/51, Error ellipse: s-maj=16.2km s-min=14.4km az=86.0

ISC 18 16:01:58.6, 0.5, 24°89'N, 125°33'E, 0.05, h45km, 4km, n189, e135/192, mb4.5/95, MS3.5/10, 13C-10D, Southwestern Ryukyu Islands

NACS Ninganchiao 3.48 259 ePn Pn 16 02 50.3 +0.1 TAO Taipei 3.49 272 ePn Pn 16 02 53.0 +2.6 YHNB Yeheng 3.60 267 ePn Pn 16 02 53.8 +1.8

SSLB Suwanglung 4.14 256 ePn Pn 16 02 58.7 +0.7 TWG Pingtung 4.41 243 ePn Pn 16 03 00.7 -2.4 TPUB Ta-pu 4.58 251 ePn Pn 16 03 05.6 +0.2 NJ2 Nanjing 9.13 323 ePn Pn 16 04 00.9 -6.9

comp=Z,10.0nm,0.5s JNU Nukatsuue 9.53 29 ePn Pn 16 04 08.8 +5.5 JNU Nukatsuue 9.53 29 ePn Pn 16 04 13.8 +0.5

comp=Z,37nm,18.8s,baz=182,slow=1 KSRAR Wouji Array Be 12.71 9 ePn Pn 16 04 58.1 +1.5 KSRAR Wouji Array Be 12.71 9 ePn Pn 16 04 58.1 +1.5 KSRAR Korea Array 12.72 9 ePn Pn 16 04 58.1 +1.3

comp=Z,88nm,19.4s,baz=174,slow=38 ENH Enshi 15.04 294 ePn Pn 16 05 24.5 -3.7 JCJ Chichijima 15.31 78 LR LR 16 10 29.7

MAJO Matsushiro 16.03 41 ePn Pn 16 05 39.1 -1.8 MAJO Matsushiro 16.03 41 ePn Pn 16 05 39.2 -1.8 MAJO Matsushiro 16.03 41 ePn Pn 16 05 41.8 +0.9

comp=Z,72nm,18.3s,baz=55,slow=37 MJAR Matsui-Tunnel 16.03 41 ePn Pn 16 05 39.1 -1.9 MJAR Matsui-Tunnel 16.03 41 ePn Pn 16 05 39.1 -1.9

comp=Z,43nm,1.6s XAN Xi'an 16.94 306 pP pPmax 16 05 55.6 +1.7 XAN Xi'an 16.94 306 pP pPmax 16 06 07.3 +3.2

comp=Z,7.0nm,1.1s XAN Xi'an 16.94 306 pP pPmax 16 05 48.0 -4.4 XAN Xi'an 16.94 306 pP pPmax 16 05 48.0 -4.4

comp=Z,270nm,17.3s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,220nm,17.3s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

Table with columns: Code, Station Name, Delta, Azimuth, Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CD2, CD2, CD2, etc.

ISC 18 16:01:58.3, 0.3, 25°09'N, 05°125'25'E, 0.4, h41km, 5km, mb4.5/89, MS3.5/9, Error ellipse: s-maj=9.4km s-min=4.3km az=156.1

JMA 18 16:01:58.3, 0.1, 24°81'N, 125°38'E, h49km, 1km, M4.5 JMA Felt III J1

NEIC 18 16:01:58.3, 0.3, 25°61'N, 125°05'E, h10km, mb4.8/38, Error ellipse: s-maj=7.6km s-min=5.3km az=154.0

NEIC Recorded [3 JMA] on Miyako-jima. MOS 18 16:01:59.9, 1.2, 25°30'N, 125°09'E, h34km, mb4.8/35, Error ellipse: s-maj=9.6km s-min=5.9km az=114.9

ISC 18 16:01:59.2, 0.3, 24°87'N, 125°39'E, h48km, 21km, mb4.0/27, mb1 4.1/30, mb1mx4.0/55, mbtmp4.2/30, ML3.1/4, MS3.3/11, Ms1 3.3/11, ms1mx3.1/51, Error ellipse: s-maj=16.2km s-min=14.4km az=86.0

ISC 18 16:01:58.6, 0.5, 24°89'N, 125°33'E, 0.05, h45km, 4km, n189, e135/192, mb4.5/95, MS3.5/10, 13C-10D, Southwestern Ryukyu Islands

NACS Ninganchiao 3.48 259 ePn Pn 16 02 50.3 +0.1 TAO Taipei 3.49 272 ePn Pn 16 02 53.0 +2.6 YHNB Yeheng 3.60 267 ePn Pn 16 02 53.8 +1.8

SSLB Suwanglung 4.14 256 ePn Pn 16 02 58.7 +0.7 TWG Pingtung 4.41 243 ePn Pn 16 03 00.7 -2.4 TPUB Ta-pu 4.58 251 ePn Pn 16 03 05.6 +0.2 NJ2 Nanjing 9.13 323 ePn Pn 16 04 00.9 -6.9

comp=Z,10.0nm,0.5s JNU Nukatsuue 9.53 29 ePn Pn 16 04 08.8 +5.5 JNU Nukatsuue 9.53 29 ePn Pn 16 04 13.8 +0.5

comp=Z,37nm,18.8s,baz=182,slow=1 KSRAR Wouji Array Be 12.71 9 ePn Pn 16 04 58.1 +1.5 KSRAR Wouji Array Be 12.71 9 ePn Pn 16 04 58.1 +1.5 KSRAR Korea Array 12.72 9 ePn Pn 16 04 58.1 +1.3

comp=Z,88nm,19.4s,baz=174,slow=38 ENH Enshi 15.04 294 ePn Pn 16 05 24.5 -3.7 JCJ Chichijima 15.31 78 LR LR 16 10 29.7

MAJO Matsushiro 16.03 41 ePn Pn 16 05 39.1 -1.8 MAJO Matsushiro 16.03 41 ePn Pn 16 05 39.2 -1.8 MAJO Matsushiro 16.03 41 ePn Pn 16 05 41.8 +0.9

comp=Z,72nm,18.3s,baz=55,slow=37 MJAR Matsui-Tunnel 16.03 41 ePn Pn 16 05 39.1 -1.9 MJAR Matsui-Tunnel 16.03 41 ePn Pn 16 05 39.1 -1.9

comp=Z,43nm,1.6s XAN Xi'an 16.94 306 pP pPmax 16 05 55.6 +1.7 XAN Xi'an 16.94 306 pP pPmax 16 06 07.3 +3.2

comp=Z,7.0nm,1.1s XAN Xi'an 16.94 306 pP pPmax 16 05 48.0 -4.4 XAN Xi'an 16.94 306 pP pPmax 16 05 48.0 -4.4

comp=Z,270nm,17.3s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7

comp=Z,22nm,0.8s XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7 XAN Xi'an 16.94 306 eP Pn 16 05 50.7 -1.7



Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like Santo Domingo, Paso Flores, Hartselle, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like bsz=333, YM05, YM06, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like NNSB, Datong, NNSB, etc.

ISC/JB 18 16:26:04.8,0.3,24.43N,0.02,122.01E,0.02,h3km,3km, Error ellipse: s-maj=2.8km s-min=2.2km az=140.0

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like EOST1, EOST2, TWC, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like HGSD, Ruisui, NMLH, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like NNSB, Datong, NNSB, etc.

ISC/JB 18 16:27:59.3,0.3,24.43N,0.01,122.03E,0.02,h2km,2km, Error ellipse: s-maj=2.6km s-min=2.2km az=142.5

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like EOST1, EOST2, TWC, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like JKRK, SGST, SLGT, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like NNSB, Datong, NNSB, etc.





WB2	Warramunga Arr	44.03 272	eP	P	16 40 50.0	0.0
WRAB	Tennant Creek	44.04 272	eP	P	16 40 50.5	+0.4
WRAB	Tennant Creek	44.04 272	iP	P	16 40 50.9	+0.8
WRA	Warramunga Arr	44.05 272	eP	P	16 40 50.8	+0.6
WRA	Warramunga Arr	44.05 272	eP	P	16 42 33.4	+0.2
WRA	Warramunga Arr	47.81 186	eP	P	16 46 21.8	-2.6
WRA	Warramunga Arr	47.81 186	eP	P	16 47 16.1	-4.2
WRA	Warramunga Arr	47.81 186	eP	P	16 49 35.4	-1.0
WRA	Warramunga Arr	47.81 186	eP	P	16 58 42.4	
WRA	Warramunga Arr	47.81 186	eP	P	16 41 04.9	0.0
WRA	Warramunga Arr	47.81 186	eP	P	16 41 17.7	-1.3
VNDA	Vanda	47.81 186	eP	P	16 41 22.1	+3.1
VNDA	Vanda	47.81 186	eP	P	16 58 11.9	
JAY	Jayapura	47.97 298	eP	P	16 41 22.7	+1.6
JAY	Jayapura	47.97 298	eP	P	16 41 21.8	+0.7
JAY	Jayapura	47.97 298	eP	P	17 01 08.8	
GENI	Genyem	48.33 297	eP	P	16 41 25.3	+1.4
MITN	Mantong Dam	49.96 279	eP	P	16 41 36.0	-0.4
FITZ	Fitzroy Crossi	52.30 270	eP	P	16 41 53.6	-0.3
FITZ	Fitzroy Crossi	52.30 270	eP	P	16 46 56.1	-3.1
FITZ	Fitzroy Crossi	52.30 270	eP	P	16 49 15.5	-1.4
FITZ	Fitzroy Crossi	52.30 270	eP	P	16 41 53.9	0.0
FITZ	Fitzroy Crossi	52.30 270	eP	P	16 46 56.1	-3.1
FITZ	Fitzroy Crossi	52.30 270	eP	P	16 49 15.5	-1.4
FITZ	Fitzroy Crossi	52.30 270	eP	P	17 03 06.5	
SAUI	Saumlaki	52.31 285	eP	P	16 41 53.8	-0.2
SAUI	Saumlaki	52.31 285	eP	P	16 41 55.8	+1.8
RKPI	Ransiki, Papua	53.68 293	eP	P	16 42 04.8	+0.7
NWAO	Narogin (SRO)	54.24 250	eP	P	16 42 06.9	-1.1
NWAO	Narogin (SRO)	54.24 250	eP	P	17 03 26.8	
KHLU	Kahalulu	54.35 26	eP	P	16 42 10.6	+1.8
FAKI	Fak Fak	54.38 290	eP	P	16 42 08.5	-0.7
PUH	Pauahi	54.41 27	eP	P	16 42 09.9	+0.6
MLH	Mauna Loa	54.45 27	eP	P	16 42 11.3	+1.5
MLH	Mauna Loa	54.45 27	eP	P	16 42 11.3	+1.5
HMH	Humu'ula Sheep	54.51 26	eP	P	16 42 11.8	+1.5
POHA	Pohakuola	54.63 26	eP	P	16 42 12.3	+1.2
HPAH	Hawaii Prepar	54.82 26	eP	P	16 42 13.5	+1.2
CASY	Casey	54.86 208	eP	P	16 42 12.3	+0.3
MHA	Mahukona	54.89 26	eP	P	16 42 14.2	+1.6
MHA	Mahukona	54.89 26	eP	P	16 42 14.3	+1.6
KIP	Kipapa	55.28 23	eP	P	16 42 15.9	+0.5
KIP	Kipapa	55.28 23	eP	P	16 42 16.3	+0.9
MORW	Marble Bar	56.13 264	eP	P	16 42 21.1	-0.7
MORW	Morawa	56.39 254	eP	P	16 42 22.5	-1.1
GUMO	Gumau	56.63 315	eP	P	16 42 24.4	-0.9
GUMO	Gumau	56.63 315	eP	P	17 04 32.5	
SOEI	Soe	57.33 278	eP	P	16 42 31.2	+0.6
SOEI	Soe	57.33 278	eP	P	16 42 33.7	+3.2
BATI	Baumata	57.62 278	eP	P	16 42 35.3	+2.8
BATI	Baumata	57.62 278	eP	P	17 07 30.5	
QSPA	South Pole Qui	59.43 180	eP	P	16 42 46.5	+2.0
QSPA	South Pole Qui	59.43 180	eP	P	16 42 46.7	+2.3
MMRI	Maumere	59.62 278	eP	P	16 42 46.7	+0.4
MMRI	Maumere	59.62 278	eP	P	16 42 48.7	+2.3
SANI	Sanana	59.98 287	eP	P	16 42 49.4	+0.6
EDFI	Ende, Flores	60.03 278	eP	P	16 42 51.5	+2.3
BASI	Baing, Sumba	60.26 276	eP	P	16 42 54.0	+3.3
WSI	Waingapu	60.77 276	eP	P	16 42 56.4	+2.2
PLAV	Plampang	63.34 276	eP	P	16 43 11.8	+0.3
DAI	Davao City (W)	65.69 295	eP	P	16 43 26.3	-0.5
DAV	Davao City (W)	65.69 295	eP	P	17 11 25.7	
PCI	Palu	65.72 284	eP	P	16 43 28.7	+1.6
KCP	Kadapawan	66.03 295	eP	P	16 43 28.6	-0.4
PAGZ	Pagadian	67.88 294	eP	P	16 43 39.8	-0.9
MSLP	Masigi	68.14 297	eP	P	16 43 40.8	-1.6
CBLJ	Chichijima	68.87 322	eP	P	16 43 46.8	+0.1
JCJ	Chichijima	68.87 322	eP	P	16 43 46.8	+0.1
UGM	Wanagama	70.03 273	eP	P	16 43 54.2	0.0
TSM	Tawau	70.24 288	eP	P	16 43 56.0	+0.6
SDKM	Sandakan	71.55 288	eP	P	16 44 03.3	-0.2
MAW	Mawson	72.02 201	eP	P	16 44 06.3	+1.0
MAW	Mawson	72.02 201	eP	P	17 14 19.8	
SJMP	San Jose	72.45 297	eP	P	16 44 07.9	-1.8
CISI	Cisompet, Garu	72.53 272	eP	P	16 44 07.5	-1.9
KKM	Kota Kinabalu	72.58 288	eP	P	16 44 08.4	-1.3
KKM	Kota Kinabalu	72.58 288	eP	P	16 44 10.0	+0.3
POLP	Poliio Island	73.22 299	eP	P	16 44 11.1	-2.2
TGY	Tagaytay City	73.59 298	eP	P	16 44 15.1	-0.5
TGY	Tagaytay City	73.59 298	eP	P	17 15 15.6	
SBUM	Sibu	73.92 283	eP	P	16 44 16.4	-1.1
SBUM	Sibu	73.92 283	eP	P	16 44 17.9	+0.4
CAUP	Caueyan	74.30 301	eP	P	16 44 26.7	+4.9
KSM	Kuching	75.01 281	eP	P	16 44 22.9	-0.9
KSM	Kuching	75.01 281	eP	P	16 44 23.8	-0.1
SNMP	San Manuel, Pa	75.05 299	eP	P	16 45 21.6	-2.4
APYP	Conner	75.70 301	eP	P	16 44 25.9	-1.7
SYO	Syowa Base	76.83 193	eP	P	16 44 32.4	-0.8
SNA	Sanae	77.88 178	eP	P	16 44 40.0	+0.8
SNA	Sanae	77.88 178	eP	P	16 44 39.7	+0.5
SNA	Sanae	77.88 178	eP	P	16 44 40.2	+1.0
VNA3	Neumayer Olymp	78.03 176	eP	P	16 44 40.8	+0.8
VNA3	Neumayer Olymp	78.03 176	eP	P	16 54 36.4	+5.5
INU	Inuyama	78.09 324	eP	P	16 44 40.6	-0.1
MJAR	Matsushiro Arr	78.44 325	eP	P	16 44 41.7	-1.0
MJAR	Matsushiro Arr	78.44 325	eP	P	17 14 11.0	
MAJO	Matsushiro	78.44 325	eP	P	16 44 43.5	+0.9

MAJO	Matsushiro	78.44 325	eP	P	16 44 43.7	+1.1
MAJO	Matsushiro	78.44 325	eP	P	16 44 40.9	-1.7
MAT	Matsushiro	78.44 325	eP	P	16 44 43.5	+0.9
MJB9	Matsushiro	78.44 325	eP	P	16 44 43.4	+1.0
VNA2	Neumayer-Watz	78.46 177	eP	P	16 44 43.4	+1.0
VNA2	Neumayer-Watz	78.46 177	eP	P	16 54 41.7	+6.2
VNA2	Neumayer-Watz	78.46 177	eP	P	16 44 42.7	-0.4
NVL	N'lazarevskaya	78.59 183	eP	P	16 44 42.7	-0.4
NVL	N'lazarevskaya	78.59 183	eP	P	16 44 42.7	-0.4
VNA1	Neumayer-Stat	78.69 177	eP	P	16 44 44.8	+1.2
VNA1	Neumayer-Stat	78.69 177	eP	P	16 54 44.6	+6.8
TWG	Pinlang	78.97 305	eP	P	16 44 43.8	-2.1
YULB	Yu-Ii	79.18 305	eP	P	16 44 45.0	-2.0
NACB	Ninganchiao	79.47 306	eP	P	16 44 46.8	-1.8
TPUB	Ta-pu	79.59 305	eP	P	16 44 46.8	-2.5
SSLB	Suanglung	79.67 305	eP	P	16 44 48.0	-1.7
JNU	Nakatsue	79.72 318	eP	P	16 44 50.1	+0.3
PETK	Petrovlovsk	80.67 278	eP	P	16 44 54.3	-1.0
MYKOM	Kota Tinggi	80.67 278	eP	P	16 44 55.8	+0.5
MYKOM	Kota Tinggi	80.67 278	eP	P	16 44 58.6	+0.2
YUK	Yuzh-Kuril'sk	81.34 335	eP	P	16 44 54.5	-3.6
YUK	Yuzh-Kuril'sk	81.34 335	eP	P	16 55 02.1	-4.1
YUK	Yuzh-Kuril'sk	81.34 335	eP	P	17 00 24.2	+0.8
YUK	Yuzh-Kuril'sk	81.34 335	eP	P	16 46 56.1	-3.1
YUK	Yuzh-Kuril'sk	81.34 335	eP	P	16 49 15.5	-1.4
YUK	Yuzh-Kuril'sk	81.34 335	eP	P	16 41 53.9	0.0
YUK	Yuzh-Kuril'sk	81.34 335	eP	P	16 46 56.1	-3.1
YUK	Yuzh-Kuril'sk	81.34 335	eP	P	16 49 15.5	-1.4
YUK	Yuzh-Kuril'sk	81.34 335	eP	P	17 03 06.5	
KUR	Kuril'sk	81.66 336	eP	P	16 44 59.7	-0.1
OZH	Quanzhou	82.06 305	eP	P	16 45 05.9	+3.5
OZH	Quanzhou	82.06 305	eP	P	16 55 09.8	-4.7
ADK	Adak	82.22 1	eP	P	16 45 01.8	-0.7
ADK	Adak	82.22 1	eP	P	16 45 01.8	-0.7
PLCA	Paso Flores	82.36 133	eP	P	16 45 05.6	+1.6
PLCA	Paso Flores	82.36 133	eP	P	16 45 05.6	+1.6
GO06	Curarahue	82.41 132	eP	P	16 45 05.2	+0.8
EFI	East Falkland	82.59 147	eP	P	16 45 05.8	+1.0
EFI	East Falkland	82.59 147	eP	P	16 45 06.3	+1.5
ASAJ	Asahikawa	82.66 333	eP	P	16 45 05.4	+0.3
ASAJ	Asahikawa	82.66 333	eP	P	16 45 05.4	+0.3
ASAJ	Asahikawa	82.66 333	eP	P	16 45 05.4	+0.3
ASAJ	Asahikawa	82.66 333	eP	P	17 19 30.5	
KTGM	Kota Trengganu	83.11 280	eP	P	16 45 08.7	+0.6
FRIM	Shemya	83.31 278	eP	P	16 45 09.5	+0.2
SMY	Shemya	83.34 355	eP	P	16 45 08.9	+0.6
SMY	Shemya	83.34 355	eP	P	16 45 12.0	+3.7
NIKH	Nikolski High	83.69 6	eP	P	16 45 10.4	+0.3
TJN	Taejon	84.07 319	eP	P	16 45 12.4	-0.1
SNCC	San Nicolas Is	84.28 46	eP	P	16 45 15.6	+1.9
IPM	Ipo	84.47 278	eP	P	16 45 13.7	-1.4
IPM	Ipo	84.47 278	eP	P	16 45 14.6	-0.6
IPM	Ipo	84.47 278	eP	P	16 45 15.3	+0.6
KSAR	Wonju Array Be	84.53 320	eP	P	16 45 15.3	+0.5
KSAR	Wonju Array Be	84.53 320	eP	P	16 45 15.4	+0.5
KS01	Wonju Array Si	84.55 320	eP	P	16 45 14.6	-0.3
SCIZ	San Clemente I	84.71 47	eP	P	16 45 17.1	+1.3
SCZ2	Santa Cruz Isl	84.72 45	eP	P	16 45 17.2	+1.3
GGZH	Guangzhou	84.74 301	eP	P	16 45 16.5	+0.3
LPIG	La Paz	84.74 58	eP	P	16 45 17.3	+1.1
LPIG	La Paz	84.74 58	eP	P	17 18 50.3	
SBC	Santa Barbara	84.97 45	eP	P	16 45 18.8	+1.7
YSS	Yuzh-Sakhalins	84.97				

18D 16h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like 003E Paynes Creek, RUBR Rubicon Trail, WAKR Walker, etc.

2013 FEB

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like CN2 comp=Z,200nm,5.0s, G03D McMinville, G03R GRNR, etc.

1430

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like HAWA Hanford, NLU North Lily Min, LTY Liberty, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like MCMST McKenzie Canyo, MXTX Muleshoe, SMSTX Muleshoe, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like PLTB Pedras Altas, LZHZ Lanzhou, RDOG Red Dog Mine, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like MAKZ Makanchi, MAZK Makanchi, ZAAO Zalesovo Array, etc.

18d 16h

Table with columns for station name, frequency, power, and status. Includes stations like HATD Hatta, Dubai, ASHO Ashiyah, SVE Sverdlouk, HOPEN Hopfen, DAG Danmarks Havn, etc.

2018 FEB

Table with columns for station name, frequency, power, and status. Includes stations like BTMM Batman, SVAN Silvan-Diyarba, TBLU Troidheim, Cat-ERZURUM, etc.

1432

Table with columns for station name, frequency, power, and status. Includes stations like SNOF Sinop, SNOF Sinop, BLSB Blasjo, DIKM Dikmen, etc.







APLL APLL  
 comp=Z,20nm,0.7s  
 MOS 18 17:10:05.5-0.9,35:57N;140:27E, h64km, mb4, 7/37, Error ellipse: s-maj=9.4km s-min=5.5km az=118.0  
 ISCJB 18 17:10:07.1-0.3,35:37N;0:03-140:17E,0.04, h75km,2km, mb4,3/56, Error ellipse: s-maj=4.9km s-min=4.1km az=153.9  
 JMA 18 17:10:07.0-0.2,35:64N;140:12E, h70km,2km, M3,8 JMA Fell II J1  
 NEIC 18 17:10:07.0-0.5,35:60N;140:23E, h66km,4km, mb4,6/21, Error ellipse: s-maj=6.1km s-min=5.0km az=107.0  
 NEIC Recorded (2 JMA) in Chiba and Kanagawa.  
 IDC 18 17:10:08.8-1.5,35:52N;140:15E, h75km,12km, mb3,8/17, mb1 3.9/22, mb1mx3,8/44, mbtmp4, 1/22, Error ellipse: s-maj=20.6km s-min=6.7km az=69.0  
 ISC 18 17:10:07.2-0.6,35:59N;0:04-140:22E,0:04, h62km,5km, n161, e155/182, mb4,4/61, 12C-15D, Near east coast of Honshu

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
JCN	Nagara	0.17	186	Op	Pn	17 10 19.0	+2.3
JCN	Nagara	0.17	186	Op	Pn	17 10 27.6	+4.0
JSMT	Sammumatsuo	0.19	72	S	Pn	17 10 19.2	+2.4
JSMT	Sammumatsuo	0.19	72	S	Pn	17 10 27.6	+3.8
TOK	Tokyo	0.39	285	P	Pn	17 10 19.9	+1.7
TOK	Tokyo	0.39	285	P	Pn	17 10 29.0	+2.7
BS03	Boso 3	0.82	163	Op	Pn	17 10 24.4	+1.7
BS03	Boso 3	0.82	163	Op	Pn	17 10 36.4	
JOD2	Odawara 2	0.98	251	Op	Pn	17 10 25.3	+0.2
JOD2	Odawara 2	0.98	251	Op	Pn	17 10 37.7	-0.7
JAG	Ashikaga	1.05	324	Op	Pn	17 10 26.0	+0.1
JAG	Ashikaga	1.05	324	Op	Pn	17 10 39.4	-0.4
JIM2	Oshima 3	1.08	217	P	Pn	17 10 26.3	-0.1
JIM2	Oshima 3	1.08	217	P	Pn	17 10 40.3	-0.4
BS01	Boso 1	1.12	146	P	Pn	17 10 28.1	+1.8
BS01	Boso 1	1.12	146	P	Pn	17 10 43.7	+3.1
JRY	Ryogami san	1.16	292	Op	Pn	17 10 28.0	+0.6
JFNN	Fujinakan	1.32	253	P	Pn	17 10 29.8	+0.3
JFNN	Fujinakan	1.32	253	P	Pn	17 10 46.0	-0.2
JYJ	Shimob	1.37	267	Op	Pn	17 10 40.3	+0.2
JYJ	Shimob	1.37	267	Op	Pn	17 10 47.4	-0.2
JIZS	Izushimoda	1.40	232	Op	Pn	17 10 30.8	+0.2
JIZS	Izushimoda	1.40	232	Op	Pn	17 10 47.2	-1.0
JKT	Katashina	1.42	326	P	Pn	17 10 31.1	+0.2
JKT	Katashina	1.42	326	P	Pn	17 10 47.8	-1.0
MJAO	Matsu Arr-Jizo	1.86	301	Op	Pn	17 10 37.7	+0.4
MJAO	Matsu Arr-Jizo	1.86	301	Op	Pn	17 10 51.7	+1.6
MJAR	Matsushiro Arr	1.89	301	P	Pn	17 10 37.7	+0.4
MJAR	Matsushiro Arr	1.89	301	P	Pn	17 11 01.7	+1.6
MAJO	Matsushiro	1.89	301	ePn	Pn	17 10 37.8	+0.5
MAJO	Matsushiro	1.89	301	ePn	Pn	17 11 01.7	+1.6
MAJO	Matsushiro	1.89	301	ePn	Pn	17 10 38.2	+0.9
MAT	Matsushiro	1.89	301	S	Pn	17 10 37.9	+0.7
MAT	Matsushiro	1.89	301	S	Pn	17 11 01.0	+0.9
MJB9	Matsu-Tunnel	1.90	301	ePn	Pn	17 10 38.0	+0.7
MJB9	Matsu-Tunnel	1.90	301	ePn	Pn	17 10 46.5	+1.1
JHJ	Hachioji 2	2.49	189	P	Pn	17 11 14.8	+0.3
JHJ	Hachioji 2	2.49	189	P	Pn	17 11 46.1	+0.7
JHJ2	Mitsune	2.49	188	ePn	Pn	17 10 47.7	+0.5
JHJ2	Mitsune	2.49	188	ePn	Pn	17 10 47.7	+0.5
INUU	Inuyama	2.63	266	ePn	Pn	17 11 43.0	-1.5
ERIM	Erimo	6.82	19	ePn	Pn	17 11 43.0	-1.5
ERIM	Erimo	6.82	19	ePn	Pn	17 11 43.0	-1.5
JNU	Nakatsue	8.11	255	P	Pn	17 12 03.9	+1.6
CBJ	Chichi jima	8.63	168	eS	Sn	17 13 37.5	-7.7
JCJ	Chichijima	8.63	168	eS	Sn	17 12 07.6	-1.8
JCJ	Chichijima	8.63	168	eS	Sn	17 13 37.5	-7.7
ASAJ	Asahikawa	8.71	11	P	Pn	17 12 09.3	-1.1
ASAJ	Asahikawa	8.71	11	P	Pn	17 13 42.5	-4.6
YUK	Yuzh-Kuril'sk	9.48	25	P	Pn	17 12 23.9	+2.9
YUK	Yuzh-Kuril'sk	9.48	25	P	Pn	17 13 58.9	-7.1
SHO	Shikotan	9.71	30	eP	Pn	17 12 24.2	+0.2
SHO	Shikotan	9.71	30	eP	Pn	17 12 30.7	+1.7
KARS	Korea Arr	10.08	284	P	Pn	17 12 30.7	+1.7
KSAR	Wonju Arr Be	10.11	284	P	Pn	17 12 30.7	+1.2
KSAR	Wonju Arr Be	10.11	284	P	Pn	17 12 30.7	+1.2
USRK	Ussuriysk Arr	10.17	326	P	Pn	17 12 39.6	+2.4
KUR	Kuril'sk	11.26	29	P	Pn	17 12 45.1	0.0
KUR	Kuril'sk	11.26	29	P	Pn	17 14 42.7	-6.5
KUR	Kuril'sk	11.26	29	P	Pn	17 14 42.7	-6.5
YSS	Yuzh-Sakhalins	11.52	9Uj	Op	Pn	17 12 40.3	-8.4
YSS	Yuzh-Sakhalins	11.52	9Uj	Op	Pn	17 12 40.3	-8.4
KLR	Kul'dur	14.99	338	P	Pn	17 13 35.4	+0.2
ZEA	Zeya	20.30	337	eP	Pn	17 14 45.7	+5.4
ZEA	Zeya	20.30	337	eP	Pn	17 14 45.7	+5.4
PETK	Petropavlovsk	21.42	30	P	Pn	17 14 49.3	-0.5
PETK	Petropavlovsk	21.42	30	P	Pn	17 14 49.3	-0.5
MA2	Magadan	24.97	13Uj	Op	Pn	17 15 26.2	+1.5
MA2	Magadan	24.97	13Uj	Op	Pn	17 15 26.2	+1.5
MA2	Magadan	24.97	13Uj	Op	Pn	17 15 25.7	+1.0
ENH	Enshi	26.28	267	eP	Pn	17 15 36.1	-0.7
SONA1	Songino Array	27.83	307	eP	Pn	17 15 49.9	-0.9
SONA2	Songino Array	27.84	307	P	Pn	17 15 50.0	-0.8
SONM	Songino Array	27.84	307	P	Pn	17 15 50.0	-0.8
SONM	Songino Array	27.84	307	P	Pn	17 15 50.0	-0.8
BOD	Bodaibo	28.27	330	eP	Pn	17 15 54.4	+0.1
BOD	Bodaibo	28.27	330	eP	Pn	17 15 54.4	+0.1
H112	WAKE ISLAND Hy	28.29	117	T	T	17 45 43.4	
H111	WAKE ISLAND Hy	28.30	117	T	T	17 45 43.7	
H113	WAKE ISLAND Hy	28.31	117	T	T	17 45 44.5	
TLY	Talaya	30.59	313	eP	Pn	17 16 16.1	+1.1
TLY	Talaya	30.59	313	eP	Pn	17 16 16.1	+1.1
GTA	Gaotai	32.10	289	eP	Pn	17 16 29.0	+0.5
GTA	Gaotai	32.10	289	eP	Pn	17 16 32.8	-1.1
GTA	Gaotai	32.10	289	eP	Pn	17 16 35.3	-1.6
PBK1	Sadapong	39.69	252	eP	Pn	17 17 32.6	-0.9
DGZ	Zazzor, Alta	40.48	307	eP	Pn	17 17 31.3	+1.4
ZAA0	Zalesovo Array	42.20	314	eP	Pn	17 17 53.5	-0.2
ZALV	Zalesovo Beam	42.20	314	eP	Pn	17 17 54.0	+0.3
ZALV	Zalesovo Beam	42.20	314	eP	Pn	17 17 53.5	-0.2
ZALV	Zalesovo Beam	42.20	314	eP	Pn	17 19 47.0	+0.2
ZAA1	Zalesovo Array	42.20	314	eP	Pn	17 17 53.5	-0.2
ZAA1	Zalesovo Array	42.20	314	eP	Pn	17 17 53.5	-0.2
NVS	Novosibirsk	43.16	315	eP	Pn	17 18 00.3	-1.1
MK01	Makanchi Array	44.09	303	eP	Pn	17 18 09.1	0.0
MK31	Makanchi Array	44.09	303	eP	Pn	17 18 09.1	0.0

Code	Station Name	Δ°	AZ°	Phase ID	ISC	Time	Res
						h m s	ISC
MK31	Makanchi Array	44.09	303	eP	Pn	17 18 09.1	0.0
MK32	Makanchi Array	44.09	303	eP	Pn	17 18 09.3	+0.2
MKAR	Makanchi Array	44.09	303	eP	Pn	17 18 09.0	-0.1
MKAR	Makanchi Array	44.09	303	eP	Pn	17 18 09.5	+0.4
MKAR	Makanchi Array	44.09	303	P	Pn	17 18 09.3	+0.2
NR1K	Noril'sk	44.19	336	P	Pn	17 18 09.8	+0.3
NR1K	Noril'sk	44.19	336	P	Pn	17 18 09.8	+0.3
MAK2	Makanchi	44.30	303	eP	Pn	17 18 10.8	0.0
MAK2	Makanchi	44.30	303	eP	Pn	17 18 10.8	0.0
KURK	Kurchatov	46.08	309	eP	Pn	17 18 24.7	-0.1
KURK	Kurchatov	46.08	309	eP	Pn	17 18 24.7	-0.1
RAMN	Ramite	46.16	275	eP	Pn	17 18 26.0	0.0
JUN	Jiri	46.20	276	eP	Pn	17 18 26.8	+0.3
GUM	Gumba	46.25	276	eP	Pn	17 18 27.7	+0.1
PDGK	Podgornoye	46.62	299	P	Pn	17 18 29.1	-0.2
PKI	Pulchoki	46.87	276	eP	Pn	17 18 31.4	-0.3
PKI	Pulchoki	46.87	276	eP	Pn	17 18 31.4	-0.3
PMN	Daman	47.10	276	eP	Pn	17 18 33.0	-0.4
PRZ	Przheval'sk	47.58	298	eP	Pn	17 18 37.5	+0.6
PRZ	Przheval'sk	47.58	298	eP	Pn	17 18 37.5	+0.6
DANN	Dangsing	47.89	278	eP	Pn	17 18 40.0	+0.4
TARG	Taragay, Kyrgy	48.19	297	eP	Pn	17 18 42.7	+0.9
KOLN	Koldanda	48.25	277	eP	Pn	17 18 42.4	+0.1
KDJ	Kajisay	48.55	298	eP	Pn	17 18 44.1	-0.2
KDJ	Kajisay	48.55	298	eP	Pn	17 18 44.1	-0.2
RYUN	Pluthan	48.61	278	eP	Pn	17 18 45.3	+0.3
NRN	Naryn	49.58	297	eP	Pn	17 18 52.5	+0.1
NRN	Naryn	49.58	297	eP	Pn	17 18 52.5	+0.1
AAK	Ala-Archa	50.34	299	eP	Pn	17 18 58.4	+0.5
AAK	Ala-Archa	50.34	299	eP	Pn	17 18 58.7	+0.7
OTUK	Ortayu	50.51	307	P	Pn	17 18 59.1	+0.2
OTUK	Ortayu	50.51	307	P	Pn	17 18 59.1	+0.2
BRVK	Borovoye	50.90	313	iP	Pn	17 19 03.9	+2.1
BRVK	Borovoye	50.90	313	iP	Pn	17 19 03.9	+2.1
ILAR	Eielson Array	51.23	32	eP	Pn	17 19 06.4	+2.3
ILAR	Eielson Array	51.23	32	eP	Pn	17 19 06.4	+2.3
ILAR	Eielson Array	51.23	32	eP	Pn	17 19 05.5	+1.5
ILB	Eielson Array	51.23	32	eP	Pn	17 19 04.2	+0.1
ARSB	Arslanbob	51.79	298	eP	Pn	17 19 09.3	+0.5
MNAS	Manas	51.79	299	P	Pn	17 19 08.8	-0.1
SFK	Sufi-Kurgan	51.80	296	P	Pn	17 19 08.7	-0.3
SFK	Sufi-Kurgan	51.80	296	P	Pn	17 19 08.7	-0.3
KK31	Karatay Array	53.03	301	eP	Pn	17 19 17.9	+0.1
KK31	Karatay Array	53.03	301	eP	Pn	17 19 17.9	+0.1
KKAR	Karatay Array	53.03	301	eP	Pn	17 19 17.4	-0.4
KKAR	Karatay Array	53.03	301	eP	Pn	17 19 17.4	-0.4
CHGR	Chuyangaron	55.43	296	eP	Pn	17 19 35.3	-0.1
WRAB	Tennant Creek	55.49	187	eP	Pn	17 19 35.9	+0.1
WRAB	Tennant Creek	55.49	187	eP	Pn	17 19 35.9	+0.1
WB2	Warramunga Arr	55.50	187	eP	Pn	17 19 36.1	+0.2
WB1	Warramunga Arr	55.50	187	eP	Pn	17 19 36.2	+0.3
WRA	Warramunga Arr	55.50	187	iP	Pn	17 19 36.2	+0.3
WRA	Warramunga Arr	55.50	187	iP	Pn	17 19 36.2	+0.3
WRA	Warramunga Arr	55.50	187	P	Pn	17 19 35.8	-0.1
ARU	Arti	56.81	319	eP	Pn	17 19 44.7	-0.2
ARU	Arti	56.81	319	eP	Pn	17 19 45.0	+0.1
ARU	Arti	56.81	319	eP	Pn	17 20 00.2	-1.0
ARU	Arti	56.81	319	eP	Pn	17 21 47.5	0.1
ARU	Arti	56.81	319	eP	Pn	17 27 34.8	+1.6
ARU	Arti	56.81	319	eP	Pn	17 31 25.9	+4.4
ASAR	Alice Springs	59.23	187	P			







WMQ	comp=E,720nm,1.1s	LR	LR				
WMQ	comp=N,11um,10.1s	LR	LR				
WMQ	comp=E,7um,8.9s	LR	LR				
WMQ	comp=Z,1um,20.7s	8.37	60	P	Pn	21 26 15.1 +0.1	
WMQ	Urumqi			S	Sn	21 27 47.6 -2.3	
WMQ	comp=Z,55nm,1.1s			S	pmax		
WMQ	comp=Z,230nm,3.7s				pmax		
WMQ	comp=Z,450nm,0.9s				smax		
WMQ	comp=Z,700nm,0.9s				smax		
WMQ	comp=Z,6um,6.7s				LR	LR	
WMQ	comp=Z,6um,7.3s				LR	LR	
WMQ	comp=Z,1um,16.1s				LR	LR	
WMQ	Urumqi	8.37	60	ePn	Pn	21 26 15.2 +0.1	
WMQ				eS	Sn	21 27 40.0 -1.0	
WMQ	Urumqi	8.37	60	eP	Pn	21 26 15.2 +0.2	
WMQ				eS	Sn	21 27 40.0 -1.0	
THW	Kabul	8.69	215	P	Pn	21 26 19.6 +0.2	
KBL	Kabul	8.80	234	ePn	Pn	21 26 22.8 +1.6	
KBL	Kabul	8.80	234	eP	Pn	21 26 22.8 +1.6	
SMLA	Simla	8.94	183	eP	Pn	21 26 22.7 -0.2	
OTUK	Ortayu	9.01	337	Pn	Pn	21 26 24.9 +1.1	
OTUK	comp=Z,19nm,0.9s				Pp	21 26 57.2	
OTUK	comp=Z,17nm,0.6s				Lg	21 28 52.8	
OTUK	Ortayu	9.01	337	P	Pn	21 26 24.9 +1.1	
OTUK					pmax		
DDI	Dehra Dun	9.74	178	eP	Pn	21 26 34.3 +0.4	
DDI					IAmb	21 26 36.2	
KURBB	Kurchatov Arra	10.56	3	Pn	Pn	21 26 44.6 -0.5	
KURBB	comp=Z,0.8nm,0.3s,baz=193,slow=12,SNR=123				Lg	21 29 45.2	
KURK	Kurchatov	10.66	3	ePn	Pn	21 26 45.8 -0.5	
KURK				eS	Sn	21 28 36.3 -1.0	
KURK				Lg	Lg	21 29 45.2	
KURK	Kurchatov	10.66	3	Pn	Pn	21 26 44.9 -1.5	
KURK	comp=Z,7.1nm,0.9s				Lg	21 29 49.2	
KURK	Kurchatov	10.66	3c	iP	Pn	21 26 45.9 -0.5	
KURK	comp=Z,73nm,0.8s				pmax		
NDI	New Delhi	11.37	182	eP	Pn	21 26 56.0 -0.2	
NDI				eS	Sn	21 28 53.0 -1.1	
DGZ	Jazzator, Alta	11.85	32d	iP	Pn	21 27 03.2 +0.4	
DGZ					pmax		
PYUN	Pluithan	12.74	158	eP	Pn	21 27 11.7 -3.4	
PYUN	comp=Z,74nm,0.7s						
DANN	Dangsing	12.74	155	eP	Pn	21 27 11.1 -4.1	
KOLN	Koldanda	13.23	156	eP	Pn	21 27 17.7 -4.1	
KOLN	comp=Z,44nm,0.7s						
KKN	Kakani	13.79	150	eP	Pn	21 27 25.6 -3.8	
KKN	comp=Z,26nm,0.5s						
BVA0	Borovoye Array	13.87	341	Pn	Pn	21 27 29.1 -1.1	
BVA0	comp=Z,44nm,1.1s,baz=143,slow=7.9,SNR=78						
BVA0	Borovoye Array	13.87	341		pmax	21 27 29.8 -0.4	
BVA0	comp=Z,44nm,1.1s						
BVAR	Borovoye Array	13.87	341	Pn	Pn	21 27 29.0 -1.2	
BVAR	comp=Z,1.2nm,0.3s,baz=150,slow=12,SNR=47						
BVAR						21 29 58.4 -6.1	
BVAR	comp=Z,0.3nm,0.3s,baz=142,slow=26,SNR=2.5				Lg	21 31 25.1	
DMN	Dama	13.89	151	eP	Pn	21 27 26.5 -4.3	
DMN	comp=Z,1.8nm,0.3s,baz=146,slow=32,SNR=4.5						
GUN	Gumba	13.91	148	eP	Pn	21 27 28.3 -3.0	
GUN	comp=Z,59nm,0.5s						
BRVK	Borovoye	13.93	341	ePn	Pn	21 27 30.0 -1.0	
BRVK	Borovoye	13.93	341	d	iP	21 27 29.7 -1.3	
BRVK					pmax		
PKIN	Pulchoki	14.02	150	eP	Pn	21 27 28.4 -4.3	
PKIN	comp=Z,13nm,0.7s						
PKI	Pulchoki	14.03	150	eP	Pn	21 27 28.7 -4.2	
PKI	comp=Z,21nm,0.4s						
JIRN	Jiri	14.26	148	eP	Pn	21 27 32.5 -3.6	
ZAA0	Zalesovo Array	14.70	17	ePn	Pn	21 27 39.7 -1.8	
ZALV	Zalesovo Beam	14.70	17	iP	Pn	21 27 39.7 -1.8	
ZALV	comp=Z,30nm,0.8s				pmax		
ZALV	Zalesovo Beam	14.70	17	Pn	Pn	21 27 39.3 -2.2	
ZALV	comp=Z,0.9nm,0.3s,baz=203,slow=12,SNR=56				Lg	21 31 55.6	
ZALV	comp=Z,0.3nm,0.3s,baz=201,slow=26,SNR=3.4				LR	21 33 33.6	
RAMN	Ramite	15.06	148	eP	Pn	21 27 41.6 -5.2	
RAMN	comp=Z,150nm,0.9s						
LSA	Lhasa	15.14	129	ePn	Pn	21 27 48.1 0.0	
LSA	comp=Z,9.4nm,0.8s						
LSA	Lhasa	15.14	129	eP	Pn	21 27 48.1 0.0	
LSA	comp=Z,9.0nm,0.8s				pmax		
GEYT	Alibeck	15.34	268	Pn	Pn	21 27 45.0 -5.2	
GEYT	comp=Z,0.5nm,0.3s,baz=107,slow=7.9,SNR=6.1				Sn	21 30 33.3 -7.2	
GEYT	comp=Z,0.5nm,0.3s,baz=82,slow=23,SNR=2.5				LR	21 34 28.7	
GYA0B	ALIBECK ARRAY	15.34	268	ePn	Pn	21 27 45.9 -4.3	
GYA0B	comp=Z,16nm,0.8s						
AB31	Akbulak array	15.55	312	Pn	Pn	21 27 52.2 -0.8	
AB31	Akbulak array	15.55	312	P	Pn	21 27 52.1 -0.8	
AB31	comp=Z,40nm,1.2s				pmax		
ABKAR	Akbulak array	15.55	312	ePn	Pn	21 27 51.8 -1.2	
BHPL	Bhopal	16.79	181	eP	IAmb	21 28 08.2 -0.8	
BHPL						21 28 12.9	
JBP	Jabalpur	16.98	173	eP	Pn	21 28 11.5 +0.2	
GTA	Gatolai	17.06	85	P	Pn	21 28 08.3 -4.1	
GTA					P	21 28 11.8 -2.4	
GTA					pP	21 28 14.8 -1.7	
GTA					sP	21 31 19.3 -3.0	
GTA					SS	21 31 40.8 +8.5	
GTA	comp=Z,8.0nm,1.4s				pmax		
GTA	comp=Z,190nm,6.7s				LR	LR	
GTA	comp=Z,790nm,16.5s				LR	LR	
GTA	comp=Z,640nm,15.2s				LR	LR	
GTA	comp=Z,870nm,15.5s				LR	LR	
AKTO	Aktyubinsk	17.22	313	Pn	Pn	21 28 14.1 -0.1	
AKTO	comp=Z,26nm,0.9s						
AKTO	Aktyubinsk	17.22	313	P	Pn	21 28 13.6 -0.6	
AKTO	comp=Z,0.7nm,0.3s,baz=105,slow=15,SNR=16						
BOK	Bokaro	17.66	154	eP	Pn	21 28 18.8 -1.1	
SHL	Shillong	18.74	136	eP	P	21 28 31.1 -1.8	
SHL	Shillong	18.74	136	eP	P	21 28 31.1 -1.8	
SHL	comp=Z,21nm,0.8s				pmax		
SHL	Shillong	18.74	136	eP	P	21 28 31.8 -1.1	
SHL	comp=Z,16nm,0.9s				IAmb	21 28 34.3	
NGP	Nagpur	18.91	176	eP	P	21 28 34.6 0.0	
MOY	Mondy	19.86	47	eP	P	21 28 47.4 +0.8	
MOY					pmax		
SVE	Sverdlovsk	20.11	332	eP	P	21 28 47.5 +0.1	
SVE					Sn	21 32 38.6 +3.1	
SVE	comp=Z,25nm,1.9s				pmax		
SVE	comp=Z,22nm,1.3s				MLR	MLR	
SVE	comp=Z,576nm,10.0s						

ARU	Arti	20.60	329	eP	P	21 28 53.4 +0.6	
ARU	comp=Z,18nm,0.9s						
ARU	Arti	20.60	329c	iP	Pn	21 28 56.9 +1.9	
ARU						21 29 16.7	
ARU					SS	21 33 16.1 +2.9	
ZAK	Zakamensk	20.68	52	eP	P	21 28 53.3 -0.6	
ZAK	comp=Z,21nm,0.9s				Sn	pmax	
LZH	Lanzhou	20.97	93	P	P	21 28 57.0 -0.2	
LZH					pP	21 29 06.0 +5.6	
LZH					Pn	21 29 09.0 +9.2	
LZH					Pn	21 29 21.5 +5.8	
LZH					S	21 32 52.8 +1.6	
LZH					SS	21 32 57.1 +0.2	
LZH					Sn	21 33 21.5 +1.0	
LZH	comp=Z,28nm,1.1s				pmax		
LZH	comp=Z,260nm,4.1s				pmax		
LZH	comp=Z,1um,14.6s				LR	LR	
LZH	comp=Z,2um,17.1s				LR	LR	
LZH	comp=Z,2um,18.4s				LR	LR	
TLY	Talaya	21.37	48	eP	P	21 29 04.4 +3.2	
TLY					S	21 32 54.6 -4.1	
TLY	comp=Z,14nm,1.1s				pmax		
TLY	comp=Z,460nm,13.0s				MLR	MLR	
POO	Poona	21.72	190	eP	P	21 28 05.0 -0.2	
POO					P	21 29 05.4 +0.2	
POO					IAmb	21 29 09.0	
IRK	Irkutsk	21.95	47	eP	P	21 29 09.9 +2.5	
IRK					pmax		
SONM	Songino Array	22.00	60	P	P	21 29 08.2 +0.1	
SONM	comp=Z,6.4nm,0.7s,baz=260,slow=11,SNR=21				LR	21 38 07.0	
SONM	comp=Z,390nm,19.9s,baz=238,slow=38						
SONAT	Songino Array	22.02	60	eP	P	21 29 08.6 +0.3	
LKRN	Lenkeran Azer	22.32	276	P	P	21 29 13.2 +1.8	
HYB	Hyderabad	22.59	178	iP	P	21 29 15.0 +0.4	
HYB					e	21 33 18.0	
HYB	Hyderabad	22.59	178	eP	P	21 29 14.2 -0.3	
HYB	comp=Z,34nm,0.9s				IAmb	21 29 19.9	
MAK	Makhackkala	22.70	287	eP	P	21 29 12.9 -2.5	
MAK					S	21 33 20.3 -3.8	
MAK	comp=Z,38nm,0.5s				pmax		
MAK	comp=Z,312nm,14.0s				MLR	MLR	
CD2	Chengdu	23.07	105	P	P	21 29 18.8 -0.8	
CD2					pP	21 29 23.8 +1.0	
CD2					sP	21 29 26.1 +4.3	
CD2					S	21 33 28.8 -2.3	
CD2					SS	21 33 37.3 +2.3	
CD2	comp=Z,50nm,0.9s				pmax		
CD2	comp=Z,300nm,4.7s				pmax		
CD2	comp=Z,950nm,15.2s				LR	LR	
CD2	comp=Z,1um,14.2s				LR	LR	
CD2	comp=Z,180nm,8.8s						
SEKA	Sheki	23.08	283	P	P	21 29 20.6 +1.0	
WSAR	Wadi Sarin	23.24	229	P	P	21 29 20.5 -0.8	
WSAR	comp=Z,6nm,1.0s,baz=84,slow=7.9,SNR=5.5						
GROC	Groznyy	23.93	288	eP	P	21 29 28.0 +0.1	
GROC					e	21 29 56.7	
GROC					pmax		
GROC	comp=Z,38nm,1.4s						
BTO	Batout	24.61	78	eP	P	21 29 31.6 -2.7	
GOA	Goa	24.72	189	eP	P	21 29 34.5 -0.8	
GOA					IAmb	21 29 42.1	
GNI	Garni	25.09	281	eP	P	21 29 40.6 +1.8	
GNI	comp=Z,107nm,1.6s						
GNI	Garni	25.09	281	eP	P	21 29 42.3 +3.6	
GNI	comp=Z,77nm,1.3s				pmax		
GNI	comp=Z,5.9nm,0.8s,baz=352,slow=1.8,SNR=5.6						
ZEI	Tsey	25.35	287	eP	P	21 29 44.9 +3.8	
ZEI					pmax		
ZEI	comp=Z,3.0nm,0.6s						
XAN	Xi'an	25.59	94	P	P	21 29 42.4 -0.8	
XAN					pP	21 29 48.9 +2.4	
XAN					pmax		
XAN	comp=Z,15nm,1.0s				pmax		
XAN	comp=Z,320nm,5.9s						





Table with columns: WDG, Dunji, baz, Az, El, Pg, Time, Res. Includes stations like WDG, NSST, LIQB, PHUB, PNG, WLC, ENA, TWP, NDT, NSK, YHNB, SBBC, ENTT, VCHM, WCHM, WLTB, NWLT, TWE, TWC, HEN, NCU, ILA, NCU, TWK1, TWK2, TATO, NHDH, TSEB, NTC, TWS1, TWS2, TIPB, NTST, YM04, YM01, NWF, WFSB, YM05, YM11, YM08, TWB1, TWY, VWUC, JYNG, YJNG, YOJ, YOJ, YOJ, PTMZ, PTTC, KNM, KNMB, IRIF, IRIF, ZPLA, JKRS, AXDP, MHQZ, JUJ, LYJJ, JISG, XPSS.

Table with columns: KZA, BOOM, BOOM, SFK, SFK, SFK, SFK, TNSS, TNSS, SATY, SATY, IZV, IZV, IZV, MDOK, MDOK, MDOK, UCH, UCH, KNDC, KNDC, KOTS, KOTS, KOTS, KST, KST, KST, TKM2, TKM2, KBK, KBK, UZB, UZB, AAK, AAK, DGS, DGS, DGS, PDGK, PDGK, PDGK, AML, AML, AML, KTBS, KTBS, KTBS, CHKK, CHKK, CHKK, KTMS, KTMS, KTMS, MNBS, MNBS, ARXS, ARXS, KZBA, BOOM, BOOM, SFK, SFK, SFK, SFK, TNSS, TNSS, SATY, SATY, IZV, IZV, IZV, MDOK, MDOK, MDOK, UCH, UCH, KNDC, KNDC, KOTS, KOTS, KOTS, KST, KST, KST, TKM2, TKM2, KBK, KBK, UZB, UZB, AAK, AAK, DGS, DGS, DGS, PDGK, PDGK, PDGK, AML, AML, AML, KTBS, KTBS, KTBS, CHKK, CHKK, CHKK, KTMS, KTMS, KTMS, MNBS, MNBS, ARXS, ARXS.

Table with columns: MRKS, MRKS, MRKS, ARSB, ARSB, AML, AML, EKS2, EKS2, BTK, BTK, ARLS, ARLS, ARLS, AAK, AAK, AAK, UCH, UCH, USP, USP, SFK, SFK, SFK, SFK, TKM2, TKM2, Code, Station Name, Az, El, Pg, Time, Res. Includes stations like MRKS, ARSB, AML, EKS2, BTK, ARLS, AAK, UCH, USP, SFK, TKM2, SRPI, SRPI, BAKI, BAKI, GENI, GENI, FAJI, FAJI, SIJI, SIJI, SANI, SANI, BATI, BATI, WRA, WRA, WRA, FITZ, FITZ, FITZ, CTA, CTA, ASAR, ASAR, ASAR, ASAR, CMAR, CMAR, SONM, SONM, MKAR, MKAR, ZALV, ZALV, ILAR, ILAR, Code, Station Name, Az, El, Pg, Time, Res.

SOME 18 21:38:13.1, 40.05N:77.75E, h15km
KRNET 18 21:38:13.5, 0.1, 40.39N:77.49E, mb2.8
NINC 18 21:38:14.1, 1.4, 40.14N:77.75E, h0km, mb3.5, mpv3.1,
Error ellipse: s-maj=5.8km az=137.0
ISC 19 21:38:11.9, 1.9, 39.97N:0.08, 77.62E, h0km, 14km,
h37, c0.93/60, 16C-17Z, Southern Xinjiang

KRNET 18 21:44:01.2, 0.1, 42.27N:71.02E, h14km, mb2.2
SOME 18 21:44:02.6, 42.25N:70.97E, h20km
NINC 18 21:44:02.7, 0.9, 42.35N:71.05E, h0km, mb2.6, mpv2.0,
Error ellipse: s-maj=8.2km s-min=5.1km az=175.0
ISC 18 21:43:58.6, 1.4, 42.30N:0.04, 70.91E, 0.04, h4km=12km,
n20, c116/36, 20C-12Z, Central Kazakhstan

DDA 18 21:55:25.9, 41.15N:44.06E, h7km, 2km, ML2.6
NORS 18 21:55:27.0, 0.0, 41.40N:44.07E, h1km, MPVA3.5
ISC 18 21:55:29.1, 1.4, 41.14N:0.03, 44.05E, 0.04, h11km=12km,
n14, c0.62/23, Western Caucasus

18D 23h

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like LACR Lac, DDEM Demirkent, DBAD Bademkaya, LGD Lagodekhi, DIGR Digorskoe uzhe, BTLR Botlikh, AKT Akti, AKT Akt.

ISC/JB 18 22:09:58.5±1.4, 11.00S±0.10; 165.8E±0.2, h10km, mb3.6/3, Error ellipse: s-maj=26.1km s-min=13.3km az=167.4

IDC 18 22:09:58.5±1.5, 10.71S±165.71E, h0km, mb3.6/4, mb1 4.0/5, mb1mx3.7/32, mbtmp3.8/5, ML4.2/1, MS3.4/1, ms1mx2.7/23, Error ellipse: s-maj=52.4km s-min=27.5km az=131.0

ISC 18 22:10:00.1±1.3, 10.9S±0.1x165.7E±0.3, h10km, n7, α184/6, mb3.6/3, Santa Cruz Islands

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, DZM Charters Tower, WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, ARCES ARCES Array B.

SOME 18 22:18:35.5, 40.17N; 77.68E, h10km

IDC 18 22:18:36.7±5.6, 40.27N; 77.65E, h0km, mb2.7/1, mb1 3.1/3, mb1mx3.0/30, mbtmp3.1/3, ML2.8/2, Error ellipse: s-maj=91.3km s-min=39.0km az=86.0

NMC 18 22:18:36.4±1.0, 40.20N; 77.80E, h0km, mb4.3, mpv3.9, Error ellipse: s-maj=6.7km s-min=4.7km az=141.0

ISC 18 22:18:37.3±1.5, 40.09N; 0.07; 77.80E±0.05, h10km, n48, α144/67, 12C-5D, Kyrgyzstan-Xinjiang border region

Main table for 18D 23h with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like ULHL Ulahol, KZA Kyzart, SATY Saty, SATY Saty, TNSS Tian-Shan, TNSS Tian-Shan, IZV Izvestkoviy, IZV Izvestkoviy, IZV Izvestkoviy, MDOK Medeo, MDOK Medeo, MDOK Medeo, MDOK Medeo, KOTS Kotyrybulak, KOTS Kotyrybulak, KOTS Kotyrybulak, AAA Alma-Ata, AAA Alma-Ata, AAA Alma-Ata, KNDC Almaty, KNDC Almaty, UZB Uzunbulak, UZB Uzunbulak, MTBS Matibue, MTBS Matibue, KST Kasteik, KST Kasteik, KST Kasteik, UCH Uchto, UCH Uchto, TKM2 Tokmak 2, TKM2 Tokmak 2, SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, KBK Karagaybulak, KBK Karagaybulak, PDGK Podgornoye, PDGK Podgornoye, DGS Degeres, DGS Degeres, DGS Degeres, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, CHMS Chumysh, CHMS Chumysh, AML Almayashu, AML Almayashu, KTBS Karatobe, KTBS Karatobe, KTBS Karatobe.

2013 FEB

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like KTBS Karatobe, KTBS Karatobe, CHKK Chushkaly, CHKK Chushkaly, KTMS Ketmen, KTMS Ketmen, KTMS Ketmen, KTMS Ketmen, KUU Kuryt, KUU Kuryt, MNBS Baschi, MNBS Baschi, MNBS Baschi, MNBS Baschi, USP Ospanovka, USP Ospanovka, ARXS Arhtary, ARXS Arhtary, ARXS Arhtary, ARXS Arhtary, MRKS Merke, MRKS Merke, MNAS Manas, MNAS Manas, KK31 Karatay Array, KK31 Karatay Array, KK31 Karatay Array, MK31 Makanchi Array, MK31 Makanchi Array, MKAR Makanchi Array, MKAR Makanchi Array, ZALV Zalevovo Beam, ZALV Zalevovo Beam, SONM Sogino Array, SONM Sogino Array.

IDC 18 22:20:19.2±4.2, 35.93N; 68.49E, h0km, mb3.4/2, mb1 3.5/4, mb1mx3.2/30, mbtmp3.5/4, ML3.3/1, Error ellipse: s-maj=83.1km s-min=27.6km az=172.0

ISC/JB 18 22:20:21.6±2.6, 36.1N; 0.3; 68.47E±0.09, h30km, mb3.3/2, Error ellipse: s-maj=39.8km s-min=8.0km az=169.3

ISC 18 22:20:23.4±3.0, 36.0N; 0.4; 68.53E±0.10, h30km, n13, α1914/14, Hindu Kush region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like AML Almayashu, UCH Uchto, EKS2 Erkin-Say, KZA Kyzart, AAK Ala-Archa, KBK Karagaybulak, CHMS Chumysh, GEYT Alikeb, GEYT Alikeb, USP Ospanovka, ULHL Ulahol, MKAR Makanchi Array, ZALV Zalevovo Beam, SONM Sogino Array.

ISC/JB 18 22:27:47.8±0.6, 16.71S±0.07; 69.83W±0.06, h150km, mb3.7/6, Error ellipse: s-maj=10.9km s-min=6.9km az=31.3

IDC 18 22:27:51.9±1.3, 16.72S±69.77W, h171km, mb3.5/7, mb1 3.9/10, mb1mx3.6/20, mbtmp4.2/10, Error ellipse: s-maj=24.3km s-min=15.6km az=16.0

ISC 18 22:27:49.8±0.7, 16.74S±0.09; 69.87W±0.07, h150km, n12, α2011/16, mb3.9/7, Peru-Bolivia border region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like LPAZ La Paz, LPAZ La Paz, LVC Limon Verde, LVC Limon Verde, NNA Nana, NNA Nana, NNA Nana, SIV San Ignacio, SIV San Ignacio, SIV San Ignacio, BDFB Brasilia, BDFB Brasilia, TXAR Lajitas Array, TXAR Lajitas Array, DBIC Dimbokro, DBIC Dimbokro, PDAR Pinedale Array, PDAR Pinedale Array, ULM Lao du Bonnet, ULM Lao du Bonnet, YKA Yellowknife Ar, YKA Yellowknife Ar, SONM Sogino Array, SONM Sogino Array.

IDC 18 23:33:27.9±1.0, 36.09N; 70.27E, h149km, 104km, mb3.0/5, mb1 3.2/6, mb1mx2.9/37, mbtmp3.5/6, Error ellipse: s-maj=50.9km s-min=24.8km az=25.0

ISC/JB 18 23:33:33.4±0.6, 36.50N; 0.04; 70.43E±0.08, h204km, mb3.0/4, Error ellipse: s-maj=9.3km s-min=4.1km az=159.6

NMC 18 23:33:35.0±0.6, 37.06N; 69.94E, h0km, mb4.0, mpv3.7, Error ellipse: s-maj=58.2km s-min=37.1km az=152.0

ISC 18 23:33:33.0±0.8, 36.46N; 0.06; 70.49E±0.08, h204km, n35, α252/42, mb3.1/4, 6C-4D, Hindu Kush region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan.

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Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like AML Almayashu, MNAS Manas, MNAS Manas, DHRM DHARASHALA, DHRM DHARASHALA, DHRM DHARASHALA, UCH Uchto, KK31 Karatay Array, KK31 Karatay Array, EKS2 Erkin-Say, EKS2 Erkin-Say, KZA Kyzart, KZA Kyzart, AAK Ala-Archa, AAK Ala-Archa, AAK Ala-Archa, KBK Karagaybulak, KBK Karagaybulak, USP Ospanovka, USP Ospanovka, TKM2 Tokmak 2, TKM2 Tokmak 2, SMLA Simla, SMLA Simla, SMLA Simla, KKR Kurukshetra, BHRG Bahadurgarh, JOSI Joshimath, JOSI Joshimath, KUDL Kundal, KUDL Kundal, KUDL Kundal, KALG Kalgar, PYUN Pyiuthan, MKAR Makanchi Array, DANN Dangsing, KOLN Koldanda, AB31 Akbulak array, DMN Daman, PKIN Pulchoki, PKIN Pulchoki, JIRI Jiri, AKTO Aktyubinsk, AKTO Aktyubinsk, ZALV Zalevovo Beam, ARCES ARCES Array B, NOA NORAR Array, TORD Torodi Ar. Bea, WRA Warramunga Arr.

IDC 18 22:46:06.4±1.5, 10.34S±160.53E, h0km, mb3.8/7, mb1 4.0/7, mb1mx3.8/38, mbtmp3.8/7, Error ellipse: s-maj=36.5km s-min=24.9km az=121.0

ISC/JB 18 22:46:11.7±1.0, 10.24S±160.4E±0.1, h42km, mb3.6/7, Error ellipse: s-maj=20.7km s-min=11.5km az=171.4

ISC 18 22:46:13.4±1.2, 10.25S±160.4E±0.2, h42km, n10, α1934/12, mb3.7/7, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara, HNR Honiara, CTA Charters Tower, WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, SONM Sogino Array, ILAR Eielson Array, MKAR Makanchi Array, YKA Yellowknife Ar.

IDC 18 23:14:02.3±2.0, 7.81S±122.47E, h0km, mb3.5/1, mb1 3.5/3, mb1mx3.3/24, mbtmp3.3/3, ML2.7/2, MS2.7/1, mb1 2.9/1, mb1mx2.4/25, Error ellipse: s-maj=292.2km s-min=28.9km az=56.0, Flores Sea

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, MKAR Makanchi Array.

IDC 18 23:16:53.0±7.3, 49.70N±113.59W, h0km, mb2.7/1, mb1 3.6/2, mb1mx3.1/30, mbtmp3.2/2, ML3.6/1, Error ellipse: s-maj=110.1km s-min=51.2km az=119.0, Alberta

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like H10CA LAC DU BONNET, YKA Yellowknife Ar, YKA Yellowknife Ar, YKA Yellowknife Ar, ILAR Eielson Array.

IDC 18 23:25:55.8±2.1, 7.84S±122.47E, h0km, mb3.3/1, mb1 3.4/3, mb1mx3.2/45, mbtmp3.3/3, ML2.9/2, MS3.0/1, mb1 3.0/1, mb1mx2.7/10, Error ellipse: s-maj=279.3km s-min=30.2km az=56.0, Flores Sea

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MJAR Matsushiro Arr, MKAR Makanchi Array.

0.3nm,0.9s,baz=128,slow=6.2,SNR=4.1

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ASAR Alice Springs, WRA Warrungarra Arr, QSPA South Pole Qui, ILAR Eielson Array, BVAR Borovoye Array, ARCES ARCES Array B, HFS Highflow, MMAI Mount Meron Arr.

DRS 18 23:40:41.8,0.0,43.11N,48.90E,h20km
NORS 18 23:40:43.7,0.0,42.96N,48.30E,h12km,MPVA3.6
MOS 18 23:40:44.4,0.0,42.86N,48.37E,h12km,mb4.0/1,Error ellipse: s-maj=9.1km s-min=6.2km az=151.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MAK Makhachkala, DRN Derbent, URKR Urkarakh, BUJR Buynaks, ARKR Arakani, KRNK Karanay, DBC Dubki, GNBK Gunib, GNBK GNBK, UNCR Uncukul, KMKR Kumukh, KSMR Kasumkent, XNZR Khunzakh, AKT Akhty, BTLR Botlikh, LGD Lagodekhi, GROG Groznyy, VLKR Vladikavkaz, LACR Lac, NEY Neytrino, SHA1 Shidzhatmaz, ANN Anapa, OBN Obninsk, BRVK Borovoye, KLNK Kaliningrad, KURK Kurchatov, FFC Flin Flon.

DRS 18 23:40:44.2,0.0,42.87N,48.46E,h18km,MPVA3.6
ISC 18 23:40:44.5,1.5,42.93N,0.04,48.52E,0.05,h12km,10km, n49,c101/80,9C-4D,Caspian Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MAK Makhachkala, DRN Derbent, URKR Urkarakh, BUJR Buynaks, ARKR Arakani, KRNK Karanay, DBC Dubki, GNBK Gunib, GNBK GNBK, UNCR Uncukul, KMKR Kumukh, KSMR Kasumkent, XNZR Khunzakh, AKT Akhty, BTLR Botlikh, LGD Lagodekhi, GROG Groznyy, VLKR Vladikavkaz, LACR Lac, NEY Neytrino, SHA1 Shidzhatmaz, ANN Anapa, OBN Obninsk, BRVK Borovoye, KLNK Kaliningrad, KURK Kurchatov, FFC Flin Flon.

mb1 3.9/4,mb1mx3.5/4,mbtmp3.6/4, Error ellipse: s-maj=181.1km s-min=21.9km az=57.0
ISCJB 18 23:53:04.5,0.7,3.68S,0.07,122.26E,0.05,h10km, mb3.7/3, Error ellipse: s-maj=10.9km s-min=6.0km az=20.0
DJA 18 23:53:06.2,0.5,4.58S,12.2E,11,1,h24km,15km,M3.6/6, MLV3.6/6

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KDI Kendari, BBSI Bau Bau, BNSI Bone, BNI Sidrap Palu, TTSI Tana Toraja, BKSI Bulukumba, LUWI Luwuk, WRA Warrungarra Arr, ASAR Alice Springs, CMAR Chiang Mai Arr, MKAR Makanchi Arr.

ISC 18 23:53:05.3,0.9,3.73S,0.07,122.29E,0.06,h10km,n11, r152/12,mb3.6/3,Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, CMAR Chiang Mai Arr, ASAR Alice Springs, WRA Warrungarra Arr, MKAR Makanchi Arr.

ISC 18 23:54:53.7,5.4,26.00S,70.61E,h0km,mb3.5/3, mb1 3.7/3,mb1mx3.3/5,mbtmp3.5/3,MS3.4/1,Ms1 3.4/1, ms1mx2.8/27, Error ellipse: s-maj=146.4km s-min=43.2km az=56.0,Indian Ocean Triple Junction

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like H08S1 Diego Garcia H, H08S2 Diego Garcia H, H08S3 Diego Garcia H, H01W2 Cape Leeuwin H, H01W3 Cape Leeuwin H, H01W1 Cape Leeuwin H, CMAR Chiang Mai Arr, ASAR Alice Springs, WRA Warrungarra Arr, MKAR Makanchi Arr, ZALV Zalesovo Beam.

ISC 19 00:10:32.4,2.0,50.67N,174.90W,h0km,mb3.3/5, mb1 3.7/7,mb1mx3.5/6,mbtmp3.5/7,ML3.3/2, Error ellipse: s-maj=61.0km s-min=21.7km az=180.0
ISCJB 19 00:10:33.9,0.9,50.55N,0.07,174.99W,0.08,h21km, mb3.5/4, Error ellipse: s-maj=10.4km s-min=7.1km az=15.2

NEIC 19 00:10:37.3,0.0,50.68N,175.13W,h29km,ML2.9(AEIC), After AEIC.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GSIG Igitik Island, GSMY Great Sitkin M, GSTD Great Sitkin T, ADK Adak, KOPF Korovin Flat P, KOWE Korovin West, KIWB Kanaga Island, TASE Tanaga Southeast, TAFP Tanaga Falls P, KDAK Kodiak Island, PETK Petropavlovsk, ILAR Eielson Array, H11N2 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, H11S1 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, PDAR Pinedale Array, SONM Songoing Array, TXAR Lajitas Array, MKAR Makanchi Arr.

ISCJB 19 00:12:49.9,0.3,0.56N,0.03,126.43E,0.03,h47km, mb4.3/21, Error ellipse: s-maj=4.8km s-min=4.4km az=44.9

DJA 19 00:12:50.0,0.3,0.0N,3.12E,11,h10km,M4.5/7,mb4.5/7, mb4.8/2,MLV4.7/7,MW(MB)4.0/2

ISC 19 00:12:52.5,4.3,0.45N,126.36E,h58km,40km,mb4.0/12, mb1 4.1/4,mb1mx3.8/45,mbtmp4.3/14,ML3.6/2,MS3.3/1, Ms1 3.3/1,ms1mx2.6/35, Error ellipse: s-maj=28.4km s-min=14.0km az=85.0

NEIC 19 00:12:52.8,0.8,0.54N,126.50E,h60km,8km,mb4.2/10, Error ellipse: s-maj=9.2km s-min=6.4km az=65.0

ISC 19 00:12:51.7,0.5,0.54N,0.05,126.45E,0.05,h47km,n52, r114/61,mb4.3/21,Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TNTI Ternate, KMSI Cibinong, SANI Sanana.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SANI Namlea, LUWI Luwuk, MRSI Marisa, SIJU Sorong, SIJU 0.8nm,0.3s,baz=139,slow=20,SNR=2.0, APSI Ampana, MPST Mappaga, FAKI Fak Fak, TTSI Tana Toraja, BNSI Bone, SPSI Sidrap Palu, BKSI Bulukumba, KSM Kuching, FITZ Fitzroy Crossi, WRAB Tennant Creek, WR1 Warrungarra Arr, WRA Warrungarra Arr, WB2 Warrungarra Arr, COEN Coen, AS31 Alice Springs, ASAR Alice Springs, ASO1 Alice Springs, STKA Stephens Creek, USKR Ussuriysk Arr, SONA Songoing Array, SONM Songoing Array, SONM Songoing Array, PETK Petropavlovsk, PEA1 Petropavlovsk, MKO1 Makanchi Arr, MK31 Makanchi Arr, MK32 Makanchi Arr, MKAR Makanchi Arr, MAK2 Makanchi, MA2 Magadan, ZALV Zalesovo Beam, ZAA1 Zalesovo Array, KURK Kurchatov, SEY Seymchan, BRVK Borovoye, NRIK Noril'sk, ABKAR Abkarkul array, RAYN Ar Rayn, ILAR Eielson Array, ILB Eielson Array, YKA Yellowknife Arr, TORD Torodi Arr, TOA1 Torodi Arr, TXAR Lajitas Array.

DJA 19 00:17:04.5,0.3,0.3S,2.10E,11,h10km,M3.9/9,MLV3.9/9, Southern Sumatra

ISCJB 19 00:17:58.3,0.3,7.58S,0.03,128.34E,0.04,h151km, mb4.0/20, Error ellipse: s-maj=5.2km s-min=4.1km az=173.3

ISC 19 00:17:59.9,1.5,7.53S,128.27E,h151km,14km,mb3.7/11, mb1 3.8/14,mb1mx3.7/32,mbtmp4.2/14, Error ellipse: s-maj=74.8km s-min=10.8km az=93.0

DJA 19 00:17:59.9,0.5,8.54E,11,h182km,19km,M4.4/8, mb4.2/6,mb4.9/4,MLV4.6/8,MW(MB)4.2/4

NEIC 19 00:17:59.5,0.7,7.57S,128.38E,h149km,7km,mb4.2/12, Error ellipse: s-maj=8.8km s-min=6.8km az=67.0

ISC 19 00:17:59.2,0.4,7.64S,0.05,128.39E,0.05,h151km,n60, r170/70,mb4.1/27,Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SAUI Saumlaki, SAUI Saumlaki, NLANI Namlea, SOEI Soe, SOEI Soe, BATI Baumenta, BATI Baumenta, BATI Baumenta, MTN Manton Dam, MTN Manton Dam, SANI Sanana, FAKI Fak Fak, FAKI Fak Fak, FAKI Fak Fak, EDFI Ede Flores, SIJU Sorong, SIJU Sorong, PLAI Plampang, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi.

ISC 18 23:53:03.9,1.5,3.11S,122.84E,h0km,mb3.6/4,











19d 2h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHKK, KUUR, UCH, AAK, UZB, USP, ARXS, PDGK, etc.

DJA 19 02:05:40.2+1.1, S4.12'2E.1, h67km, 21km, M3.6/7, ML3.3, 6.7, Minahassa Peninsula, Sulawesi

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LUWI, MRSI, PCI, etc.

ISCJB 19 02:05:38.5+0.6, 7.71S, 0:05x128:50E:0.07, h150km, mb4.0/5, Error ellipse: s-maj=9.7km s-min=6.6km az=7.7

IDC 19 02:05:42.3+0.3, 7.91S, 128:35E, h173km, 28km, mb3.6/4, mb1.3/7, mb1mx3.4/38, mbtmp4.2/8, MS3.7/1, Ms1 3.7/1, ms1mx2.6/31, Error ellipse: s-maj=29.0km s-min=17.8km az=8.0

ISC 19 02:05:40.2+0.8, 7.90S, 0:07x128:50E:0.10, h150km, n11, s156E/14, mb4.0/5, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BATI, WRA, ASAR, CTM, etc.

IDC 19 02:07:09.8+1.3, 11:00Sx166:08E, h0km, mb4.2/8, mb2.4/3/10, mb1mx4.0/41, mbtmp4.3/10, ML4.6/2, MS3.6/7, Ms1 3.6/7, ms1mx3.3/37, Error ellipse: s-maj=26.0km s-min=24.6km az=108.0

ISCJB 19 02:07:10.4+0.8, 11:17S, 0:08x165:96E:0.10, h10km, mb4.3/13, MS3.6/6, Error ellipse: s-maj=14.2km s-min=7.4km az=138.7

NEIC 19 02:07:11.4+0.6, 11:02Sx166:08E, h10km, mb4.5/8, Error ellipse: s-maj=12.6km s-min=9.3km az=54.0

ISC 19 02:07:11.6+1.0, 11:04S, 0:10x166:0E:0.11, h10km, n32, s156E/23, mb4.3/14, MS3.5/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HNR, DZM, DZM, DZM, etc.

2013 FEB

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BFZ, THZ, WRI, WRA, etc.

NEIC 19 02:08:59.7+0.0, 15:63N, 95:92W, h20km, MD4.1 (MEX), After MEX. MEX 19 02:08:59.7+0.5, 15:63N, 95:92W, h20km, 10km, MD4.1, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HUIG, HUIG, HUIG, etc.

NIED 19 02:12:00.23+40N, 120:50E, h20km, Mw4.1 Best double couple: M=1.72000x10^15 NP1:308.00000, 850.00000, lambda=1.00000. NP2:39.00000, 889.00000, lambda=1.400000. IDC 19 02:12:42.3+0.6, 23:28N, 120:75E, h0km, mb3.8/13, mb1.3/9/15, mb1mx3.8/38, mbtmp3.8/15, ML3.1/2, MS2.7/2, Ms1 2.8/2, ms1mx2.6/35, Error ellipse: s-maj=23.2km s-min=14.7km az=70.0

BJI 19 02:12:44.7+23:37N, 120:53E, h9km, mb4.1/10, mb4.4/1, ML4.3/8, Ms4.2/9, Ms7.4/2

JMA 19 02:12:44.4+0.1, 23:40N, 120:52E, h0km, M4.6 ASIES 19 02:12:45.9+23:36N, 120:57E, h15km, MW3.8 TAP 19 02:12:45.6+23:35N, 120:55E, h15km, ML4.6, 6.5 NEIC 19 02:12:45.9+0.0, 23:36N, 120:57E, h16km, mb4.5/5, ML4.5(TAP), After TAP.

NEIC Felt at Kaohsiung. Recorded [4 TAP] in Chiayi, [3 TAP] in Yunlin, [2 TAP] in Taitung and [1 TAP] in Changhua, Hualien and Penghu.

ISCJB 19 02:12:46.2+0.1, 23:356N, 0:009:120:51E:0:01, h23km, 14km, mb4.0/15, MS2.5/1, Error ellipse: s-maj=1.8km s-min=1.5km az=19.4

ISC 19 02:12:45.4+0.6, 23:36N, 0:01x120:54E:0.01, h18km, 3km, n185, s190E/27, mb4.1/15, 25C-36D, Taiwan

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CHN4, CHN4, TPUB, etc.

1448

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SLGT, WSF, WSI, TAI1, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like TQW1, EAST Anshuo, EAST Pingnan, WLCH Liugu, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like TWY Chenhua, KNM Kinmen, PTTC Pingnan, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, and other parameters. Includes stations like ISK 19:02:19:07.5, ISCJB 19:02:19:08.0, etc.

19d 2h

Table with columns for station code, name, frequency, and signal strength. Includes stations like Kunming, Guiyang, Chengdu, Lanzhou, etc.

2013 FEB

Table with columns for station code, name, frequency, and signal strength. Includes stations like Kaeng Krachan, Nanjing, Gumbra, etc.

1450

Table with columns for station code, name, frequency, and signal strength. Includes stations like MLD, MLD, MLD, etc.





Table of station data for 19d 3h, including columns for call sign, name, frequency, and other parameters.

Table of station data for 2013 FEB, including columns for call sign, name, frequency, and other parameters.

Table of station data for 1452, including columns for call sign, name, frequency, and other parameters.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like Apatity Array, Vario, Rieki, Maselka, Sodankyl, Rovaniemi, Kevo, ARCESS Array S, Hetta, Hetta, Tornio, Kautokeino, Lannavaara, Ertu, Kilpisjarvi.

GUC 19 03:38:26.4+0.4,35.875x72.43W,h29km,3km,ML3.7
ISC 19 03:38:22.9+1.8,35.855x72.6W+0.2,h54km,n13,
az=320/19,5C-1D,Near coast of central Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like Chillan, Angol, Las Melosas, Cerro Calan, Peldehue, El Roble, Curarrehue, Uspallata, Leoncito, MUGNA, Rodeo.

ISCJB 19 03:43:00.3+0.8,36.21N,0.05x70.93E,0.10,h213km,
Error ellipse: s-maj=11.6km s-min=5.5km az=161.9
NNC 19 03:43:01.5+4.0,36.47N,0.12E,h113km,92km,mb3.1,
mpv3.6, Error ellipse: s-maj=33.2km s-min=31.0km
az=89.0

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like Sufi-Kurgan, Almayashu, Manas, Uchtor, Kyzari, Erkin-Say, Karatay Array, Al-Archa, AAK, TKM2, DANN, KOLN, KKN, PKIN, AB31, AB31, PKI, JIRN, RAMN, AKTO, AKTO.

SJA 19 03:48:44.7+0.7,31.66S,69.89W,h116km,4km,ML3.3,

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like Leoncito, Uspallata, Combarbala, Cerro Valdivia, Cerro Villicun, Uspallata, MUGNA, Coronel Fontan, Rodeo, Cuesta del Vie, El Roble, Farellones, Cerro Calan, Las Melosas, GUANDACOL.

MEX 19 03:53:51.0+0.3,14.33N,92.21W,h8km,88km,MD3.5,
Near coast of Chiapas

NNC 19 03:54:03.3+0.7,42.86N,78.53E,h3km,3km,mb2.4,
mpv2.3, Error ellipse: s-maj=6.3km s-min=2.1km az=0.0
SOME 19 03:54:04.3+0.2,42.90N,78.50E,h10km
KRNET 19 03:54:04.6+0.1,43.05N,78.61E,h35km,mb1.9,11C-5D,

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like Saty, Podgornoye, Kuram, Medeo, MDOK, TNS, TIAN-SHAN, ARX, Karatobe, KJ, CHK, CHK, CHK, KTBS, Karatobe, Kurty.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like Kurty, Ulaho, Booms koye usch, Tokmak 2, Tokmak 2, Tokmak 2.

SOME 19 04:05:43.6,42.47N,78.45E,h20km
NNC 19 04:05:44.2+0.8,42.58N,78.41E,h0km,mb2.8,mpv2.6,
Error ellipse: s-maj=6.2km s-min=2.3km az=167.0
KRNET 19 04:05:43.0+0.1,42.47N,78.46E,h21km,mb2.5,21C-14D,
Lake Issyk-Kul region

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate. Includes stations like Przheval'sk, Saty, Uzb, Targay, Kujays, Kuram, Podgornoye, MDOK, TNS, TIAN-SHAN, KOT, IZV, ULHL, CHK, CHK, CHK, KTBS, Karatobe, Karatobe.





19d 5h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Yuzh-Sakhalins, Resolute Bay, Matsushiro Arr, Toolik Lake, etc.

IDC 19 04:59:42.4-0.7, 48.38N-83.29W, h0km, mb3.2/4, mb1 3.8/9, mb1mx3.5/5.5, mbtmp3.8/8, ML3.1/4, Error ellipse: s-maj=12.5km s-min=9.5km az=31.0

NEIC 19 04:59:44.0-0.0, 48.43N-83.30W, h8km, mb4.1/1, MN3.8(OTT), Alter OTT.

OTT 19 04:59:44.2-0.2, 48.43N-83.30W, h8km, MN3.8/12, 66km northeast from Chapleau, On

INF 19 04:59:45.8-0.7, 48.27N-83.27W, h20km, 6km, ML4.1/5.3

ISC 19 04:59:44.3-1.5, 48.44N-0.03-83.27W, h0.03, h31km, 13km, n176, e1970/217, mb3.3/4, Ontario

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Kapuskasing, Chapleau, Pseudash Townsh, Sault Ste. Mari, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Flat Rock, Esc, Grayling, Harrisville, Champion, Sundridge, etc.

1456

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Frankford, Loretta, Junction City, Vermontville, etc.

IDC 19 05:14:43.2-2.4, 53.94N-81.93E, h0km, mb1 3.0/2, mb1mx2.9/3.8, mbtmp3.0/2, ML2.2-2, Error ellipse: s-maj=27.5km s-min=11.6km az=150.0, Southwestern Siberia

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes station I46RU ZALESOVO INFRA.













Table of astronomical observations for ASAR Alice Springs, ASAR Keskia Array S, BR101 Keskia Array B, BRTR Keskia Array B, etc. Columns include station name, coordinates, and observation details.

Table of astronomical observations for YKBS Yellowknife Ar, ESDC Sonseca Array, TOAD Torodi Ar. Sit, TOAD Torodi Ar. Bea, etc. Columns include station name, coordinates, and observation details.

Table of astronomical observations for G004 Tololo Observa, SUR Sutherland, SUR Sutherland, SUR Sutherland, etc. Columns include station name, coordinates, and observation details.

ISCBJ 19 08:01:22.0±0.5, 1.77N, 0.05x127.43E±0.07, h128km, mb4.0/9, Error ellipse: s-maj=10.0km s-min=7.1km

IDC 19 08:01:24.9±3.3, 1.67N, 127.53E, h133km±31km, mb3.6/8, mb1 3.7/9, mb1mx3.5/34, mbtmp3.9/9, Error ellipse: s-maj=44.5km s-min=10.8km az=78.0

DJA 19 08:01:24.0±0.4, 2.1N±3.1, 127.7E±1.2, h130km±4km, M4.7/13, mb4.4/1, mb5.0/7, mb7.8/13, mb(MB)4.3/7

ISC 19 08:01:24.3±0.6, 1.73N, 0.07x127.44E±0.1, h128km, n24, s121/28, mb4.0/3, Halmahera

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h, m, s, ISC. Lists various stations and their observation parameters.

ISCBJ 19 08:07:42.7±0.3, 56.14S±0.06±26.9W±0.1, h100km, mb4.7/34, Error ellipse: s-maj=9.2km s-min=6.5km

NEIC 19 08:07:43.0±1.0, 56.19S±26.91W, h90km±8km, mb4.9/33, Error ellipse: s-maj=4.9km s-min=4.9km az=22.0

IDC 19 08:07:44.2±0.6, 56.16S±26.90W, h101km±5km, mb4.3/11, mb1 3.6/5, ms1mx3.4/22.1, mbtmp4.7/13, MS3.6/5, Ms1 3.6/5, ms1mx3.4/22.4, Error ellipse: s-maj=16.9km s-min=13.2km az=79.0

ISC 19 08:07:43.9±0.3, 56.19S±0.07x27.01W±0.07, h100km±94, s088/99, mb4.8/32, 1C, South Sandwich Islands region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h, m, s, ISC. Lists various stations and their observation parameters.

ISCBJ 19 08:13:03.6±2.0, 0.34N, 125.06E, h0km, mb3.2/3, mb1 3.4/3, mb1mx3.1/45, mbtmp3.2/3, Error ellipse: s-maj=181.7km s-min=28.4km az=64.0, Northern Molucca Sea

Code Station Name Az Az2 Phase ID Time Res h m s ISC

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time Res, h, m, s, ISC. Lists various stations and their observation parameters.

IDC 19 08:25:39.0, 0.6, 28.32N, 104.91E, h0km, mb4.0/19, mb1.4/21, mb1mx4.0/51, mbtmp4.0/21, ML4.2/2, MS3.3/5, Ms1.3/3.5, ms1mx2.8/55, Error ellipse: s-maj=18.3km s-min=13.9km az=61.0  
 ISCJ/B 19 08:25:39.7, 0.3, 28.25N, 104.03, 104.04, h19km, mb4.1/31, MS3.2/4, Error ellipse: s-maj=5.5km s-min=4.7km az=20.3  
 NEIC 19 08:25:40.5, 0.2, 28.27N, 104.82E, h10km, mb4.2/13, ML3.9(BJ), Error ellipse: s-maj=5.2km s-min=4.2km az=76.0  
 BJI 19 08:25:40.8, 28.30N, 104.82E, h8km, mb4.3/8, ML3.9/21, Ms3.8/7, Ms7.3/5.5  
 ISC 19 08:25:41.8, 0.4, 28.32N, 104.83E, h19km, n70, 01917/8, mb4.2/31, MS3.3/4, 1D, Sichuan

comp=E, 1.8nm, 1.1s  
 KMBO Kilima Mbogo 70.92 258 P P 08 36 58.6 +0.1  
 comp=E, 1.0nm, 0.3s, baz=61, slow=9.2, SNR=4.0  
 MDM Murphy Dome 71.07 25 P P 08 37 01.6 +0.7  
 comp=E, 1.0nm, 1.0s  
 ILI Eielson Array 72.07 25 eP P 08 37 03.8 -0.5  
 ILAR Eielson Array 72.07 25 P P 08 37 04.0 -0.3  
 KDAA Kodiak Island 72.81 33 P P 08 37 08.8 0.0  
 comp=E, 5.3nm, 1.6s  
 INK Inuvik 74.57 19 eP P 08 37 19.0 +0.1  
 comp=E, 1.0nm, 0.8s  
 DAWY Dawson 75.21 24 eP P 08 37 23.0 +0.1  
 comp=E, 4.2nm, 1.4s  
 YKA Yellowknife Ar 84.15 17 P P 08 38 11.7 +0.4

ASAR Alice Springs 43.09 269 P P 08 59 25.6 0.0  
 0.8nm, 0.7s, baz=106, slow=7.7, SNR=10  
 WRA Warramunga Arr 44.23 274 P P 08 59 34.7 -0.1  
 1.1nm, 0.4s, baz=112, slow=8.1, SNR=26  
 FINES FINESS Array B 146.73 339 PKPbc PKIKP 09 11 08.7 -0.2  
 2.5nm, 1.0s, baz=48, slow=2.1, SNR=6.1  
 BRTR Keskin Array B 153.40 296 PKPbc PKIKP 09 11 24.0 +0.4  
 0.4nm, 0.6s, baz=98, slow=4.4, SNR=2.8  
 NNC 19 09:07:23.1, 2.4, 53.42N, 87.73E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=19.4km s-min=9.4km az=66.0, Suspected Mining explosion.  
 KRAR 19 09:07:25.1, 0.1, 53.63N, 87.80E, M2.4, 6C-8D, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014), Southwestern Siberia

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
CD2	Chengdu	2.75	340	Op	08 26 28.6	+1.9
CD2				Pn	08 26 33.8	-0.7
CD2				Pg	08 27 01.0	-2.6
CD2				Sb	08 27 01.0	-2.6
CD2				Sg	08 27 08.3	-1.8
CD2				Smax	08 27 08.3	-1.8

ISCJ/B 19 08:34:03.9, 1.4, 4.4S, 0.1, 144.7E, 0.2, h100km, mb3.8/4, Error ellipse: s-maj=29.1km s-min=19.3km az=4.4  
 IDC 19 08:34:10.7, 4.8, 4.29S, 142.7E, h145km, 39km, mb3.6/4, Error ellipse: s-maj=54.4km s-min=20.9km az=100.0  
 ISC 19 08:34:05.0, 1.5, 4.4S, 0.1, 144.7E, 0.2, h100km, n6, 0130/6, mb3.7/4, Near north coast of New Guinea

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
ZAAO	Zalesovo Array	1.80	281	Op	09 07 54.2	-3.1
ZAAO				Pn	09 08 20.7	-0.1
KURK	Kurchatov	6.36	246	Op	09 08 56.9	-3.0
KURK				Pn	09 10 07.8	-5.3
KURK				ILg	09 10 39.2	
KURBB	Kurchatov Arra	6.45	246	Op	09 08 58.3	-3.0
KURBB				ILg	09 10 09.9	-5.7
KURBB				ILg	09 10 41.7	

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
CD2	Chengdu	2.75	340	Pn	08 26 26.8	+1.9
CD2				Pg	08 26 33.8	-0.7
CD2				Sb	08 27 01.0	-2.6
CD2				Sg	08 27 08.3	-1.8
CD2				Smax	08 27 08.3	-1.8

JAY Jayapura 4.43 295 P P 08 35 10.7 +0.7  
 comp=0.5s, baz=124, slow=10.0, SNR=7.7  
 WRA Warramunga Arr 44.23 274 P P 08 38 13.6 -0.4  
 1.0nm, 0.3s, baz=32, slow=11.1, SNR=55  
 ASAR Alice Springs 43.09 269 P P 08 38 49.8 +0.8  
 FITZ Fitzroy Crossi 23.08 232 P P 08 39 01.8 -0.4  
 12nm, 0.6s, baz=51, slow=8.5, SNR=52  
 MKAR Makanchi Array 74.85 321 P P 08 45 33.0 -1.6  
 0.4nm, 0.6s, baz=101, slow=7.4, SNR=4.6  
 ILAR Eielson Array 74.85 24 P P 08 46 29.6 +0.9  
 0.9nm, 1.0s, baz=258, slow=3.9, SNR=5.8

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
ZAAO	Zalesovo Array	1.80	281	Op	09 07 54.2	-3.1
ZAAO				Pn	09 08 20.7	-0.1
KURK	Kurchatov	6.36	246	Op	09 08 56.9	-3.0
KURK				Pn	09 10 07.8	-5.3
KURK				ILg	09 10 39.2	
KURBB	Kurchatov Arra	6.45	246	Op	09 08 58.3	-3.0
KURBB				ILg	09 10 09.9	-5.7
KURBB				ILg	09 10 41.7	

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
KMI	Kunming	3.69	211	ePn	08 26 37.9	-0.2
ENH	Enshi	4.50	63	ePn	08 26 51.3	+2.2
XAN	Xian	6.69	31	Sg	08 27 03.3	+1.2
XAN				Smax	08 27 11.9	-4.5

ISCJ/B 19 08:47:29.3, 0.8, 31.93S, 0.06, 179.9E, 0.2, h450km, mb3.1/2, Error ellipse: s-maj=19.7km s-min=7.9km az=7.6  
 WEL 19 08:47:32.7, 0.8, 32.5S, 18.0E, 1.9, h383km, 13km  
 IDC 19 08:47:32.9, 6.7, 32.18S, 179.46E, h465km, 98km, mb2.7/2, mb1.3/1.3, mb1mx2.9/36, mbtmp3.8/3, Error ellipse: s-maj=114.4km s-min=42.0km az=0

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
MAK31	Makanchi Array	7.70	209	Op	09 09 15.1	-3.4
MAK31				Pn	09 10 42.1	-4.2
MAK31				ILg	09 11 24.1	-4.2
MAK2	Makanchi	7.78	211	Op	09 09 16.7	-2.8
MAK2				ILg	09 10 42.4	-5.9
MAK2				ILg	09 11 20.7	

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
XAN	Xian	6.69	31	ePn	08 27 20.2	+1.2
LZH	Lanzhou	7.79	354	ePn	08 27 34.3	0.0
LZH				Sb	08 29 06.8	+4.8
LZH				Smax	08 29 10.0	-1.9

ISC 19 08:47:27.7, 1.0, 31.88S, 0.09, 180.0W, 0.1, h450km, n41, 0246/51, Kermadec Islands region

KRSC 19 09:16:25.1, 1.5, 55.10N, 164.17E, h38km, 25km, ML3.8, Komandorsky Islands region

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
GLKZ	Green Lake	3.15	35	P	08 48 36.2	+0.2
GLKZ				S	08 49 28.8	-2.5
GLKZ				S	08 49 42.5	+2.2
MXZ	Matakaoa Point	5.84	194	S	08 50 13.5	-2.4
KUZ	Kuautouu	6.02	215	P	08 49 05.2	+3.1
WMGZ	Waiomatatini S	6.07	192	P	08 49 06.1	+3.5
WMGZ				S	08 50 19.8	-0.4
HAZ	The Kahia	6.15	197	S	08 49 05.1	+1.7
PKGZ	Pakhiroa	6.21	194	S	08 49 07.0	+2.6
PKGZ				S	08 50 20.1	-2.8
OUZ	Omahuta	6.32	236	P	08 49 06.9	+1.7
RUGZ	Raukumara Rang	6.37	194	P	08 49 07.8	+2.0
RUGZ				S	08 50 23.9	-2.8
TGWZ	Tauwharepara	6.50	194	S	08 49 10.1	+3.0
TGWZ				S	08 50 26.8	-1.7
OPRZ	Ohinepanea	6.60	205	P	08 49 12.3	+4.2
CNGZ	Carnagh Statio	6.76	192	P	08 49 13.1	+3.4
MWZ	Matawai	6.76	197	S	08 49 11.8	+1.8
MWZ				S	08 49 18.9	+2.6
TKGZ	The Karaka	6.79	195	P	08 49 11.1	+1.1
URZ	Urewera	6.80	200	P	08 49 12.3	+2.2
URZ				S	08 50 31.1	-3.0

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
GLKZ	Green Lake	3.15	35	P	08 48 36.2	+0.2
GLKZ				S	08 49 28.8	-2.5
GLKZ				S	08 49 42.5	+2.2
MXZ	Matakaoa Point	5.84	194	S	08 50 13.5	-2.4
KUZ	Kuautouu	6.02	215	P	08 49 05.2	+3.1
WMGZ	Waiomatatini S	6.07	192	P	08 49 06.1	+3.5
WMGZ				S	08 50 19.8	-0.4
HAZ	The Kahia	6.15	197	S	08 49 05.1	+1.7
PKGZ	Pakhiroa	6.21	194	S	08 49 07.0	+2.6
PKGZ				S	08 50 20.1	-2.8
OUZ	Omahuta	6.32	236	P	08 49 06.9	+1.7
RUGZ	Raukumara Rang	6.37	194	P	08 49 07.8	+2.0
RUGZ				S	08 50 23.9	-2.8
TGWZ	Tauwharepara	6.50	194	S	08 49 10.1	+3.0
TGWZ				S	08 50 26.8	-1.7
OPRZ	Ohinepanea	6.60	205	P	08 49 12.3	+4.2
CNGZ	Carnagh Statio	6.76	192	P	08 49 13.1	+3.4
MWZ	Matawai	6.76	197	S	08 49 11.8	+1.8
MWZ				S	08 49 18.9	+2.6
TKGZ	The Karaka	6.79	195	P	08 49 11.1	+1.1
URZ	Urewera	6.80	200	P	08 49 12.3	+2.2
URZ				S	08 50 31.1	-3.0

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
KBTR	Krutoberegovo	1.35	326	Op	09 17 06.2	+2.2
KBTR				ePn	09 17 06.2	+2.2
KBG	Krutoberegovo	1.43	325	eS	09 17 08.9	+3.1
TUMD	Tumrok D	2.16	274	eP	09 17 01.1	+2.6
BDMR	Baidaraya	2.23	313	eP	09 17 02.1	+2.7
TUMR	Tumrok	2.31	276	eP	09 17 03.6	+2.9
KLY	Kyuchi	2.33	303	eP	09 17 03.2	+1.5
SPN	Nyts Shipunski	3.16	232	eS	09 17 51.7	+3.2
NLC	Nalaitchovo	3.43	238	eS	09 18 00.2	+5.0
UGMR	Uglovaya	3.65	242	eP	09 17 23.4	+4.3
SMAR	Smolva	3.67	241	eP	09 17 23.8	+4.6
KRX	Kryk	3.68	244	eP	09 17 24.2	+4.8
KRY	Kryk	3.68	242	eP	09 17 24.3	+4.9
KOK	Koryaka	3.72	243	eP	09 17 24.4	+4.5
DAL	Dalny	3.80	239	eP	09 17 24.5	+3.5
GNL	Ganally	3.90	251	eP	09 17 27.5	+5.0
KRMR	Karymshinskiy	4.23	240	eP	09 17 30.8	+4.0
KRMR				eS	09 18 20.8	+6.0
MTVR	Mutnovka	4.41	236	eP	09 18 30.3	+2.6
MTVR				eS	09 18 23.8	+4.0

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
WHN	Wuhan	8.59	73	Op	08 27 46.3	+1.2
QIZ	Qiongzong	10.32	153	ePn	08 28 08.9	0.0
CMAR	Chiang Mai Arr	11.25	39	Pn	08 28 20.6	-4.0
CMAR				Lg	08 31 40.3	

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
URZ	Urewera	6.80	200	P	08 49 12.3	+2.2
URZ				S		







Table with columns for station name, time, and status. Includes stations like LKLI, MDSI, SKJI, TNG, DBJI, etc.

Table with columns for station name, time, and status. Includes stations like FAKI, KDU, NWAO, WRKA, etc.

Table with columns for station name, time, and status. Includes stations like LZH, CTG, CTAO, STKA, etc.

Table with columns for station call letters, frequency, mode, and other technical details. Includes stations like SONM, SONM1, PRZ, ULN, ULN1, ULN2, NRN, NRN1, NRN2, KDJ, KDJ1, KDJ2, GAR, GAR1, GAR2, KZA, CHGR, ARSB, UCH, BTK, BTK1, BTK2, TKM2, KBK, AML, AAK, AAK1, AAK2, UOSS, EKS2, USA0B, USRK, USP, LHI, MK01, MK31, MK311, MK312, MK313, MKAR, MKAR1, MKAR2, MKAR3, MKAR4, MKAR5, MAZK, MAZK1, MAZK2, ZAK, ZAK1, ZAK2, DGZ, DGZ1, DGZ2, TLY, TLY1, TLY2, TLY3, MOY, MOY1, KK31, KK311, KK312, KK313, KKAR, KKAR1, KKAR2, KLR, KLR1, KLR2, KLR3, KLR4, KLR5, KLR6, KLR7, DZM, GEYT, GEYT1, GEYT2, ZALV, ZALV1, ZALV2, ZALV3, ZALV4, ZALV5, ZALV6, ZALV7, ZALV8, ZALV9, ZALV10, ZALV11, ZALV12, ZALV13, ZALV14, ZALV15, ZALV16, ZALV17, ZALV18, ZALV19, ZALV20, ZALV21, ZALV22, ZALV23, ZALV24, ZALV25, ZALV26, ZALV27, ZALV28, ZALV29, ZALV30, ZALV31, ZALV32, ZALV33, ZALV34, ZALV35, ZALV36, ZALV37, ZALV38, ZALV39, ZALV40, ZALV41, ZALV42, ZALV43, ZALV44, ZALV45, ZALV46, ZALV47, ZALV48, ZALV49, ZALV50, ZALV51, ZALV52, ZALV53, ZALV54, ZALV55, ZALV56, ZALV57, ZALV58, ZALV59, ZALV60, ZALV61, ZALV62, ZALV63, ZALV64, ZALV65, ZALV66, ZALV67, ZALV68, ZALV69, ZALV70, ZALV71, ZALV72, ZALV73, ZALV74, ZALV75, ZALV76, ZALV77, ZALV78, ZALV79, ZALV80, ZALV81, ZALV82, ZALV83, ZALV84, ZALV85, ZALV86, ZALV87, ZALV88, ZALV89, ZALV90, ZALV91, ZALV92, ZALV93, ZALV94, ZALV95, ZALV96, ZALV97, ZALV98, ZALV99, ZALV100.

Table with columns for station call letters, frequency, mode, and other technical details. Includes stations like BRVK, BRVK1, BRVK2, BRVK3, BRVK4, BRVK5, BRVK6, BRVK7, BRVK8, BRVK9, BRVK10, BRVK11, BRVK12, BRVK13, BRVK14, BRVK15, BRVK16, BRVK17, BRVK18, BRVK19, BRVK20, BRVK21, BRVK22, BRVK23, BRVK24, BRVK25, BRVK26, BRVK27, BRVK28, BRVK29, BRVK30, BRVK31, BRVK32, BRVK33, BRVK34, BRVK35, BRVK36, BRVK37, BRVK38, BRVK39, BRVK40, BRVK41, BRVK42, BRVK43, BRVK44, BRVK45, BRVK46, BRVK47, BRVK48, BRVK49, BRVK50, BRVK51, BRVK52, BRVK53, BRVK54, BRVK55, BRVK56, BRVK57, BRVK58, BRVK59, BRVK60, BRVK61, BRVK62, BRVK63, BRVK64, BRVK65, BRVK66, BRVK67, BRVK68, BRVK69, BRVK70, BRVK71, BRVK72, BRVK73, BRVK74, BRVK75, BRVK76, BRVK77, BRVK78, BRVK79, BRVK80, BRVK81, BRVK82, BRVK83, BRVK84, BRVK85, BRVK86, BRVK87, BRVK88, BRVK89, BRVK90, BRVK91, BRVK92, BRVK93, BRVK94, BRVK95, BRVK96, BRVK97, BRVK98, BRVK99, BRVK100.

Table with columns for station call letters, frequency, mode, and other technical details. Includes stations like PPT2, POKR, EPYK, RKT, YKA, YKA1, YKA2, YKA3, YKA4, YKA5, YKA6, YKA7, YKA8, YKA9, YKA10, YKA11, YKA12, YKA13, YKA14, YKA15, YKA16, YKA17, YKA18, YKA19, YKA20, YKA21, YKA22, YKA23, YKA24, YKA25, YKA26, YKA27, YKA28, YKA29, YKA30, YKA31, YKA32, YKA33, YKA34, YKA35, YKA36, YKA37, YKA38, YKA39, YKA40, YKA41, YKA42, YKA43, YKA44, YKA45, YKA46, YKA47, YKA48, YKA49, YKA50, YKA51, YKA52, YKA53, YKA54, YKA55, YKA56, YKA57, YKA58, YKA59, YKA60, YKA61, YKA62, YKA63, YKA64, YKA65, YKA66, YKA67, YKA68, YKA69, YKA70, YKA71, YKA72, YKA73, YKA74, YKA75, YKA76, YKA77, YKA78, YKA79, YKA80, YKA81, YKA82, YKA83, YKA84, YKA85, YKA86, YKA87, YKA88, YKA89, YKA90, YKA91, YKA92, YKA93, YKA94, YKA95, YKA96, YKA97, YKA98, YKA99, YKA100.

19d 11h

R42A	Luebbering	145.67	21	P	PKPab	11 28 02.9	-0.2
N53A	Lisbon	145.68	7	P	PKPab	11 28 03.1	0.0
CCM	Cathedral Cave	145.70	22	ePKPdf	PKPab	11 28 03.3	+0.1
CCM	Cathedral Cave	145.70	22	ePKIKP	PKPab	11 28 03.3	+0.1
CCM	Cathedral Cave	145.70	22	P	PKPab	11 28 03.3	+0.1
Q44A	Meyer Farm, Va	145.71	19	P	PKPab	11 28 03.1	-0.1
O49A	Covington	145.72	12	P	PKPab	11 28 03.1	-0.1
PAL	Palisades	145.76	358	P	PKPab	11 28 03.2	-0.1
ABTX	Abilene, Hawle	145.87	38	ePKPdf	PKPab	11 28 04.6	+0.5
ABTX	Abilene, Hawle	145.87	38	P	PKPab	11 28 03.9	-0.2
N59A	State Game Lan	145.88	0	ePKPdf	PKPab	11 28 03.4	-0.5
N55A	Marion Center	145.89	4	P	PKPab	11 28 03.6	-0.3
O50A	Cable	145.90	11	P	PKPab	11 28 04.4	+0.5
S41A	Hilco Farms,	145.92	23	P	PKPab	11 28 03.6	-0.5
ACSO	Alum Creek Sta	145.93	10	P	PKPab	11 28 04.1	+0.1
P47A	Martinsville	145.95	15	P	PKPab	11 28 03.4	-0.7
R43A	Red Bud	145.97	20	P	PKPab	11 28 04.2	0.0
Q45A	Warren Harvey,	145.98	18	P	PKPab	11 28 04.5	+0.2
FVM	French Village	146.06	21	ePKPdf	PKPbc	11 28 03.4	-0.6
FVM	French Village	146.06	21	ePKP2	PKPbc	11 28 03.4	-0.6
O51A	Pataaskala	146.08	10	P	PKPab	11 28 03.8	-0.8
HHAR	Hobbs	146.10	27	ePKPdf	PKPab	11 28 04.1	-0.8
S42A	Caledonia	146.12	22	P	PKPbc	11 28 03.8	-0.4
P48A	Milroy	146.18	14	P	PKPab	11 28 05.0	0.0
O53A	New Philadelph	146.18	8	P	PKPab	11 28 05.3	+0.3
O52A	Adamsville	146.23	9	P	PKPab	11 28 05.4	+0.3
P49A	Miami Univ. Ec	146.27	13	P	PKPab	11 28 04.5	-0.8
R44A	Waltonville	146.28	19	P	PKPab	11 28 04.5	-0.9
O54A	Avella	146.35	6	P	PKPab	11 28 05.0	-0.7
T41A	Mountain View	146.38	24	P	PKPbc	11 28 04.6	-0.4
P50A	Jamestown	146.39	11	P	PKPbc	11 28 04.1	-0.8
Q47A	Bedord North L	146.43	15	P	PKPbc	11 28 04.8	-0.3
O56A	Blue Knob Stat	146.43	4	ePKPdf	PKPab	11 28 05.5	-0.5
O55A	Blue Knob Stat	146.43	4	P	PKPab	11 28 05.4	-0.5
O56A	Ligonier	146.43	5	P	PKPbc	11 28 04.6	-0.4
R45A	Skyilar, Fairir	146.50	18	P	PKPab	11 28 05.8	-0.4
U40A	Yellville	146.52	26	P	PKPbc	11 28 04.9	-0.5
S43A	Fulton Ridge,	146.55	21	P	PKPbc	11 28 04.6	-0.9
Q48A	North Vernon	146.61	14	P	PKPab	11 28 05.7	-0.9
P51A	Williamsport	146.65	10	ePKPdf	PKPab	11 28 05.9	-0.9
P51A	Williamsport	146.65	10	P	PKPab	11 28 05.8	-1.0
P52A	Corning	146.66	9	P	PKPbc	11 28 05.2	-0.5
T42A	Van Buren	146.66	23	ePKPdf	PKPab	11 28 06.1	-0.8
T42A	Van Buren	146.66	23	P	PKPab	11 28 05.7	-1.2
S44A	Carbondale	146.73	20	P	PKPab	11 28 06.2	-1.0
Q49A	Aurora	146.74	13	P	PKPab	11 28 06.2	-1.0
R46A	Gibson Southern	146.80	17	P	PKPab	11 28 06.2	-1.2
P53A	Whipple	146.91	8	ePKPbc	PKPab	11 28 06.9	-0.8
P53A	Whipple	146.91	8	P	PKPab	11 28 07.1	-0.6
T43A	Greenville	146.91	22	P	PKPbc	11 28 06.5	0.0
U41A	Burton	146.91	7	P	PKPab	11 28 06.8	-1.0
P54A	Viola	146.92	24	P	PKPbc	11 28 06.5	-0.1
MCWV	Mont Chateau	146.93	6	P	PKPab	11 28 06.8	-1.0
S45A	Carrier Mills	146.97	19	P	PKPab	11 28 06.9	-1.1
R47A	Wooly Knot Far	147.00	16	P	PKPbc	11 28 06.6	-0.1
Q51A	Peebles	147.04	11	ePKPdf	PKPbc	11 28 06.3	-0.5
Q51A	Peebles	147.04	11	P	PKPbc	11 28 06.9	+0.1
R48A	Northridge Ran	147.08	15	P	PKPab	11 28 07.2	-1.3
P55A	Reedsville	147.08	6	P	PKPab	11 28 07.3	-1.2
Q50A	Georgetown	147.09	12	P	PKPbc	11 28 07.0	0.0
WCI	Wyandotte Cave	147.13	15	P	PKPab	11 28 07.3	-1.4
T44A	Benton	147.16	21	P	PKPab	11 28 07.3	-1.5
U42A	Reviden	147.19	24	P	PKPab	11 28 07.5	-1.5
JCT	Junction City	147.22	41	ePKPbc	PKPbc	11 28 07.7	+0.1
JCT	Junction City	147.22	41	ePKP2	PKPbc	11 28 07.7	+0.1
JCT	Junction City	147.22	41	P	PKPab	11 28 07.9	-1.5
S46A	Don Dixon Farm	147.23	18	P	PKPab	11 28 07.7	-1.4
Q52A	Bidwell	147.29	10	P	PKPab	11 28 07.9	-1.4
R49A	Shelbyville	147.35	14	P	PKPab	11 28 08.2	-1.3
Q54A	Coxs Mills	147.48	7	P	PKPbc	11 28 08.3	+0.3
U43A	Rector	147.50	22	P	PKPbc	11 28 08.4	+0.2
R50A	Paris	147.55	13	P	PKPbc	11 28 08.3	+0.1
Q55A	Buckhannon	147.56	6	P	PKPbc	11 28 08.2	-0.1
WHTX	Lake Whitney,	147.62	36	ePKPbc	PKIKP	11 28 10.4	-0.4
WHTX	Lake Whitney,	147.62	36	P	PKPab	11 28 09.3	-1.6
R51A	Hillsboro	147.69	12	P	PKIKP	11 28 09.5	-1.2
MIAR	Mount Ida	147.70	28	ePKPbc	PKIKP	11 28 09.6	-1.2
MIAR	Mount Ida	147.70	28	ePKPab	PKPab	11 28 12.3	+1.2
MIAR	Mount Ida	147.70	28	ePKP2	PKPbc	11 28 09.0	+0.3
S48A	Wiedeman Farm,	147.73	16	P	PKPbc	11 28 08.6	-0.1
T46A	Princeton	147.77	18	P	PKIKP	11 28 09.4	-1.5
W41B	Gary Marvity, V	147.78	26	P	PKIKP	11 28 09.6	-1.3
S49A	Springfield	147.81	14	P	PKPbc	11 28 09.1	+0.1
R52A	Catlettsburg	147.84	10	P	PKIKP	11 28 09.6	-1.4
R53A	Hurricane	147.96	9	P	PKIKP	11 28 10.0	-1.2
T47A	Sharon Grove	148.06	17	ePKPbc	PKIKP	11 28 10.3	-1.1
T47A	Sharon Grove	148.06	17	P	PKIKP	11 28 10.1	-1.4
X40A	Basin Creek Fa	148.09	27	P	PKIKP	11 28 10.1	-1.5
U45A	Rockin P Farm,	148.11	20	P	PKIKP	11 28 10.7	-0.9
S50A	Richmond	148.12	13	P	PKPbc	11 28 10.0	+0.2
T48A	Bowling Green	148.15	16	P	PKIKP	11 28 10.6	-1.1
V44A	Blytheville	148.17	22	P	PKIKP	11 28 10.9	-0.8

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R54A	Victor	148.25	8	P	PKPbc	11 28 10.4	+0.2
U46A	Springville	148.30	19	P	PKIKP	11 28 10.9	-1.1
S51A	Beattyville	148.33	12	ePKPbc	PKIKP	11 28 10.8	-1.2
S51A	Beattyville	148.33	12	P	PKPbc	11 28 10.3	-0.1
T49A	Edmonton	148.39	15	P	PKPbc	11 28 10.4	-0.2
U47A	Clarksville	148.51	18	P	PKPbc	11 28 10.8	-0.1
WVT	Waverly	148.62	19	ePKPbc	PKIKP	11 28 12.0	-0.6
WVT	Waverly	148.62	19	ePKP2	PKIKP	11 28 12.0	-0.6
WVT	Waverly	148.62	19	P	PKIKP	11 28 11.9	-0.8
T50A	Nancy	148.64	14	P	PKPbc	11 28 10.6	-0.6
U48A	Cassie Pea, Po	148.67	17	P	PKIKP	11 28 11.7	-1.0
S55A	Lewisburg	148.72	7	P	PKPbc	11 28 11.1	-0.3
V46A	Holladay	148.83	20	P	PKIKP	11 28 11.8	-1.3
U49A	Red Boiling Sp	148.88	16	P	PKIKP	11 28 12.0	-1.2
T51A	Gray	148.90	13	P	PKIKP	11 28 12.1	-1.1
V47A	Nunnely	149.00	19	P	PKIKP	11 28 12.6	-0.8
U50A	Jamestown	149.22	15	P	PKIKP	11 28 13.1	-0.8
T54A	Tazewell	149.26	9	P	PKIKP	11 28 13.2	-0.8
V48A	Smith Brothers	149.30	18	P	PKIKP	11 28 13.1	-1.0
TZTN	Tazewell	149.39	12	ePKPbc	PKIKP	11 28 13.7	-0.5
TZTN	Tazewell	149.39	12	ePKPab	PKPab	11 28 18.0	+0.2
TZTN	Tazewell	149.39	12	P	PKIKP	11 28 13.8	-0.5
U51A	La Follette	149.45	13	P	PKIKP	11 28 13.8	-0.6
W47A	Westpoint	149.50	19	P	PKIKP	11 28 13.9	-0.6
V49A	McMinnville	149.54	17	P	PKIKP	11 28 13.8	-0.8
U52A	Thorn Hill	149.58	12	P	PKIKP	11 28 14.1	-0.6
U53A	Fall Branch	149.76	11	P	PKIKP	11 28 14.2	-0.9
X46A	Boeville	149.79	21	P	PKIKP	11 28 14.4	-0.7
W48A	Pulaski	149.82	19	P	PKIKP	11 28 14.5	-0.7
V50A	Pikeville	149.85	15	P	PKIKP	11 28 14.3	-0.9
U51A	Loudon	149.92	14	P	PKIKP	11 28 14.7	-0.6
W49A	Belvidere	150.04	18	P	PKIKP	11 28 14.9	-0.7
V52A	Sevierville	150.06	13	ePKPbc	PKIKP	11 28 15.6	-0.1
V52A	Sevierville	150.06	13	ePKPab	PKPab	11 28 19.7	-0.8
V52A	Sevierville	150.06	13	P	PKIKP	11 28 15.5	-0.1
X47A	Russville	150.08	20	P	PKIKP	11 28 15.3	-0.4
TKL	Tuckaleechee C	150.19	13	ePKPbc	PKIKP	11 28 15.2	-0.7
TKL	Tuckaleechee C	150.19	13	ePKP2	PKIKP	11 28 15.3	-0.7
CPCT	Cooper Cave	150.21	15	ePKPbc	PKIKP	11 28 16.1	+0.1
CPCT	Cooper Cave	150.21	15	ePKPab	PKPab	11 28 16.1	+0.1
W50A	Signal Mountai	150.24	16	P	PKIKP	11 28 15.7	-0.4
V53A	Saluda	150.39	12	ePKPbc	PKPbc	11 28 14.8	-0.9
V53A	Saluda	150.39	12	ePKPab	PKPab	11 28 21.7	-0.3
V53A	Saluda	150.39	12	P	PKIKP	11 28 16.1	-0.3
X48A	Hartselle	150.41	19	ePKPbc	PKPab	11 28 16.0	-0.4
X48A	Hartselle	150.41	19	ePKPab	PKPab	11 28 20.5	-1.5
X48A	Hartselle	150.41	19	P	PKIKP	11 28 15.8	-0.6
W51A	Cleveland	150.43	15	P	PKIKP	11 28 16.0	-0.4
X49A	Woodville	150.59	18	P	PKIKP	11 28 16.2	-0.5
W52A	Murphy	150.70	14	P	PKIKP	11 28 16.8	-0.3
W53A	Cullowhee	150.80	13	P	PKIKP	11 28 17.3	-0.1
X50B	Fort Payne	150.84	17	P	PKPbc	11 28 16.1	-0.6
Y48A	Jasper	150.86	20	P	PKIKP	11 28 16.5	-0.9
Y48A	Jasper	150.86	20	P	PKIKP	11 28 16.5	-0.9
LNIG	Limes	150.89	49	ePKPbc	PKIKP	11 28 17.9	+0.2
145A	Houston Renro	150.97	25	P	PKPbc	11 28 16.1	-0.9
Y49A	Blount Mountai	151.16	19	ePKPbc	PKIKP	11 28 17.6	-0.4
Y49A	Blount Mountai	151.16	19	ePKPab	PKPab	11 28 22.4	-2.8
Y49A	Blount Mountai	151.16	19	P	PKIKP	11 28 18.1	+0.1
X52A	Dahlonega	151.17	14	P	PKIKP	11 28 18.3	+0.3
KMSC	Kings Mountain	151.18	10	P	PKIKP	11 28 18.1	+0.1
Y50A	Piedmont	151.34	18	P	PKIKP	11 28 18.6	+0.2
PAUL	Pauline	151.41	11	ePKPbc	PKIKP	11 28 18.8	+0.3
X53A	Estanollee	151.41	13	P	PKIKP	11 28 18.3	-0.2
Y51A	Rockmart	151.53	17	P	PKIKP	11 28 18.9	+0.2
LRAL	Lakeview Retre	151.72	20	P	PKIKP	11 28 19.4	+0.2
Z49A	Columbiana	151.74	19	P	PKIKP	11 28 19.4	+0.2
X55A	Gracelyn & Ava	151.78	10	P	PKIKP	11 28 19.6	+0.3
Y52A	Liburn	151.83	15	ePKPbc	PKIKP	11 28 19.4	+0.1
Y52A	Liburn	151.83	15	P	PKIKP	11 28 20.1	+0.7
X56A	White Oak	151.86					





19d 12h

UCR 19 11:53:49.7.2.0.945N-84°63W, h3km,5km, MD3.9, ML3.3, 2C-2D, Costa Rica

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like LCR2, HDO, SJS, etc.

ISC/JB 19 12:00:25.7.0.6.37.12N.0°04'27.94E.0.03, h0km, Error ellipse: s-maj=5.5km s-min=3.5km az=11.3

DDA 19 12:00:26.4.37.17N.27.90E, h7km,2km, ML2.6

ISC 19 12:00:24.5.1.1.37.07N.0°04'27.89E.0.03, h0km, n11, c0539/18, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like MLSB, BDRM, etc.

NNC 19 12:08:08.3.14.0.44.62N.78°96E, h0km, mb1.9, mpv1.6, Error ellipse: s-maj=134.1km s-min=58.0km az=80.0

SOME 19 12:07:56.0.44.95N.81°00E, h0km, 2C-2D, Kazakhstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like DJR, KAPS, etc.

NIED 19 12:27:00.35°30N.141°20E, h29km, Mw5.4 Best double couple: M1.310000x1017 NP1.30600000, s39.000000

MOS 19 12:27:34.9.1.35°28N.140°92E, h24km, mb5.9/169, MS5.3/80, Error ellipse: s-maj=6.0km s-min=3.5km az=119.0

JMA 19 12:27:35.2.0.1.35°35N.141°20E, h37km, 1km, M5.6 JMA Felt III J1

IDC 19 12:27:36.0.3.0.35°22N.140°99E, h22km, 18km, mb5.1/41, mb1.5/246, mb1mx5.2/51, mbtmps.3/46, ML4.0/4, MMS.1/35, Ms1.5/135, ms1mx4.9/45, Error ellipse: s-maj=11.9km s-min=10.7km az=101.0

ISC/JB 19 12:27:35.7.0.4.35°24N.0°02'140.96E.0°01, h30km,2km, mb5.5/501, MS5.2/251, Error ellipse: s-maj=2.7km s-min=2.0km az=163.4

NEIC 19 12:27:36.1.0.1.35°25N.140°96E, h20km, mb5.5/293, MS5.2/179, MW5.3, MW5.4, Error ellipse: s-maj=3.0km s-min=2.2km az=152.0 Best double couple: NP1: 0.274.00000, s22.00000, 1.125.00000, NP2: 0.58.00000, s72.00000, 1.77.00000

NEIC Felt [III] at Chiba, Narita, Tokyo and Yokohama. Felt in much of east-central Honshu. Recorded [3 JMA] in Chiba,

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Ibaraki and Saitama. GCMT 19 12:27:37.1.0.1.35°22N.0°01'141.00E.0°01, h25km, MW5.5/118, Moment Tensor Solution. s88.c167, s118.c207. Duration: 1s3 Moment tensor: Scale 1017 Nm; Mn:0.60±0.2; M0:1.06±0.1; M0:0.46±0.2; M0:1.45±0.3; M0:0.05±0.1; M0:0.88±0.4; Best double couple: M1.93000x1017 NP1.30600000, s80.00000, 1.70.00000. NP2.306.00000, s23.00000, 1.153.00000. Principal axes: T 1.8870, Plg51.0000, Azm308.0000; N 0.0870, Plg20.0000, Azm65.0000; P -1.9740, Plg32.0000, Azm168.0000

NEIC 19 12:27:38.0.0.0.35°35N.141°45E, h30km, Moment Tensor Solution. s27. Moment tensor: Scale 1017Nm; Mn:0.60; M0:0.71; M0:1.10; M0:1.53; M0:0.11; M0:0.40; Best double couple: M1.70000x1017 NP1.30600000, s79.00000, 1.87.00000. NP2.306.00000, s12.00000, 1.06.00000. Principal axes: T 1.6600, Plg56.0000, Azm341.0000; N 0.1100, Plg3.0000, Azm76.0000; P -1.7700, Plg33.0000, Azm168.0000

ISC 19 12:27:36.7.0.4.35°27N.0°03'141.01E.0°03, h28km,2km, 126°30P-P, n1628, s1935/1705, mb5.6/539, MS5.3/252, 136C-30D, Near east coast of eastern Honshu

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like CHOU, ISUMI, KTR, etc.

Table with columns: Code, Station Name, Time, Res, ISC. Lists stations like CN2, SNY, KLR, etc.

1470



19d 12h

Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MK31, MK32, MKAR, etc.

2013 FEB

Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like MDOK Medeo, MDOK, etc.

1472

Table with columns: Station ID, Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like KSH, USP, FRU1, etc.

1473

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like DAWY Dawson, CHM Chikment, CHM CHM, etc.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like HYB Hyderabad, HYB HYB, WRMHI West Rim, etc.

19d 12h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like AREO ARCESS Array S, AREO ARCESS Array S, ARMA Armidale, etc.







Table with columns for station call signs (e.g., BRG, Y14A, N23A), frequencies, and other technical details. Includes sub-sections like '19d 12h' and '2013 FEB'.

Table with columns for station call signs (e.g., SOT Sopron, GHAJ Ghor Haditha), frequencies, and other technical details. Includes sub-sections like '19d 12h' and '2013 FEB'.

Table with columns for station call signs (e.g., GCAM G?zelcam!, BBLs Laz!#263;i), frequencies, and other technical details. Includes sub-sections like '19d 12h' and '2013 FEB'.





KORT	comp=Z,3um,0.3s	IAML_P			
TH1	Athinios (Pele)	3.12 311	P	Pn	12 35 36.6 +0.6
TH1	comp=N,1209um,0.2s	AML	AML		12 36 10.0
TH1	comp=E,551um,0.3s	AML	AML		12 36 11.3
TH1	Athinios (Pele)	3.12 311	P	Pn	12 35 36.6 +0.6
THR6	Thira Island,	3.12 311	P	Pn	12 35 37.1 +1.0
THR6	Thira Island,	3.12 311	P	Pn	12 35 37.0 +1.0
SAP2K	Karferados	3.13 312	P	Pn	12 35 37.0 +0.9
TAVA	DENIZLI_Tavas	3.14 811	P	Pn	12 35 38.5 +2.1
TAVA		i/S	S		12 36 12.7 -0.5
TAVA	comp=Z,2um,0.1s	IAML_P			
THR7	Fira-Santorini	3.15 312	P	Pn	12 35 37.4 +1.0
THR9	Santorini-Faro	3.15 310	P	Pn	12 35 37.4 +1.0
THR9	Santorini-Faro	3.15 310	P	Pn	12 35 37.3 +1.0
THR3	Thira Island,	3.15 311	P	Pn	12 35 37.3 +0.9
THR3	Thira Island,	3.15 311	P	Pn	12 35 37.4 +1.0
THR2	Thira Island,	3.16 312	P	Pn	12 35 37.4 +0.9
THR2	Thira Island,	3.16 312	P	Pn	12 35 37.4 +0.9
THR2	Thira Island,	3.16 312	P	Pn	12 35 37.5 +1.0
TH2	Imerovigli	3.16 312	P	Pn	12 35 37.5 +1.0
TH2		AML	AML		12 36 16.1
TH2	comp=N,1878um,0.3s	AML	AML		12 36 16.6
TH2	comp=E,2832um,0.5s	AML	AML		12 36 16.6
TH2	Imerovigli	3.16 312	P	Pn	12 35 37.4 +0.9
ANTB	Antalya	3.17 36	PN	Pn	12 35 39.2 +2.6
AMGA	Amorgos Island	3.17 322	P	Pn	12 35 37.5 +0.7
AMGA	Amorgos Island	3.17 322	P	Pn	12 35 37.3 +0.6
THRS	Thira Island,	3.19 311	P	Pn	12 35 37.8 +0.9
THRS	Thira Island,	3.19 311	P	Pn	12 35 37.9 +0.9
SAP3	Santorini-Thir	3.21 311	P	Pn	12 35 37.9 +0.8
AYDN	Tasoluk	3.32 354	i/P	Pn	12 35 40.9 +2.1
AYDN		i/S	S		12 36 15.7 -1.9
AYDN		IAML_P			
PPCY	Paphos	3.35 80	P	Pn	12 35 41.5 +2.4
GCAM	C7zelcaml?	3.46 345	PN	Pn	12 35 42.8 +2.2
GCAM	C7zelcaml?	3.46 345	i/S	Pn	12 35 42.2 +1.6
GCAM		i/S	S		12 36 18.5 -2.3
GCAM		IAML_P			
GVD	Gavdhos	3.54 279	P	Pn	12 35 43.8 +2.2
GVD		AML	AML		12 36 24.5
GVD	comp=N,2503um,0.6s	AML	AML		12 36 26.1
GVD	Gavdhos	3.54 279	P	Pn	12 35 43.5 +1.8
APE	Apeiranthos	3.54 321	PN	Pn	12 35 43.2 +1.4
APE	Apeiranthos	3.54 321	P	Pn	12 35 42.7 +0.7
APE		AML	AML		12 36 21.3
APE	comp=N,1047um,0.2s	AML	AML		12 36 21.6
APE	Apeiranthos	3.54 321	P	Pn	12 35 42.5 +0.7
APE	Apeiranthos	3.54 321	i/P	Pn	12 35 42.3 +0.5
VAM	Vamos	3.56 288	AML	AML	12 35 44.2 +2.4
VAM		AML	AML		12 36 25.5
VAM	comp=E,1745um,0.5s	AML	AML		12 36 28.7
VAM	Vamos	3.56 288	P	Pn	12 35 44.4 +2.4
SMG	Samos	3.56 341	P	Pn	12 35 44.2 +0.7
SMG		AML	AML		12 36 26.3
SMG	comp=N,204um,0.2s	AML	AML		12 36 29.5
SMG	comp=E,236um,0.3s	AML	AML		12 35 42.8 +0.7
ALFC	Alefka	3.60 76	P	Pn	12 35 43.7 +1.1
ALFC		S	S		12 36 21.7 -2.8
BCK	Bucak	3.60 30	PN	Pn	12 35 45.5 +2.8
BCK	Bucak	3.60 30	P	Pn	12 35 42.9 +1.1
AYDB	Zeytinokoy-Aydi	3.61 354	PN	Pn	12 35 45.2 +2.4
BRDR	BURDUR-Merkez	3.62 22	i/P	Pn	12 35 46.5 +3.6
BRDR		i/S	S		12 36 25.7 +0.8
BRDR		IAML_P			
ALAN	Alanya-ANTALYA	3.74 53	PN	Pn	12 35 46.1 +1.7
IMMV	Iera Moni Meta	3.74 288	P	Pn	12 35 46.7 +2.2
IMMV		AML	AML		12 36 30.2
IMMV	comp=N,2026um,0.4s	AML	AML		12 36 34.4
IMMV	Iera Moni Meta	3.74 288	P	Pn	12 35 46.1 +1.6
LEF	Lefka	3.83 77	PN	Pn	12 35 47.9 +2.2
LEF	Lefka	3.83 77	i/P	Pn	12 35 46.9 +1.2
LEF		Pn	Pn		12 35 47.9 +4.1
ISP	Isparta	3.89 26	PN	Pn	12 35 49.4 +2.7
ISP	Isparta	3.89 26	e/Pn	Pn	12 35 48.9 +2.2
ISP	Isparta	3.89 26	e/Sn	Pn	12 36 32.7 +1.0
ISP	Isparta	3.89 26	e/P	Pn	12 35 48.9 +2.2
ISP	Isparta	3.89 26	e	Pn	12 36 32.7 +1.0
AKDN	Akdeniz- Kibri	3.93 75	PN	Pn	12 35 47.3 +0.6
MHLO	Agia Marina, M	3.97 307	P	Pn	12 35 48.8 +1.2
HBRG	Burj al Arab	3.98 161	AMP		12 36 00.0
MAMC	Mammari	4.10 77	P	Pn	12 35 51.5 +2.0
MAMC		baz=266			
MANT	Manisa	4.13 2	e/Pn	Pn	12 35 50.8 +0.7
MANT		e/Sn	Pn		12 36 35.2 -2.7
BLBC	Balcova	4.16 346	PN	Pn	12 35 51.2 +1.0
KULA	Kula-Manisa	4.16 4	PN	Pn	12 35 52.0 +3.3
CSS	Mathiatis	4.16 80	e/Pn	Pn	12 36 36.6 -1.7
CSS	Mathiatis	4.16 80	Pn	Pn	12 35 52.3 +2.0
CSS		S	S		12 36 35.9 -2.4
CSS	Mathiatis	4.16 80	Pn	Pn	12 35 52.0 +1.7
URLA	Izmir	4.24 341	PN	Pn	12 35 53.4 +2.0
ERMK	Ermenek	4.38 57	i/P	Pn	12 35 56.8 +3.4
ERMK		i/S	Pn		12 36 46.1 +2.2
USAK	Uak-Merkez	4.39 7	i/P	Pn	12 35 56.2 +2.7
USAK		i/S	Pn		12 36 40.6 -3.3
USAK		IAML_P			
ANKY	Antikythira Is	4.39 292	P	Pn	12 35 55.7 +2.3
CHOS	Chios Island	4.43 336	PN	Pn	12 35 56.0 +2.0
YORU	Yoruktepe-Mers	4.52 65	PN	Pn	12 35 57.2 +3.3
SHUT	Shut-Afyon	4.56 22	PN	Pn	12 35 58.7 +2.9
OREN	Orenkoy-Mersin	4.58 65	PN	Pn	12 35 59.1 +3.0
DOGA	KONYA_Doganhis	4.62 35	i/P	Pn	12 36 00.9 +4.3
DOGA		i/S	Pn		12 36 50.1 +0.5
DOGA		IAML_P			
TEVE	Tevekkali-Mers	4.66 62	PN	Pn	12 36 00.1 +2.9
KYTH	Kithira	4.73 295	P	Pn	12 35 58.1 0.0
KONT	Konya--Tatoy	4.85 41	PN	Pn	12 36 02.8 +3.1
VLI	Velia	4.99 300	PN	Pn	12 36 01.5 -0.2
LADK	Ladik-KONYA	5.04 39	PN	Pn	12 36 05.4 +3.0
PRK	Paraskevi	5.16 342	P	Pn	12 36 07.2 +3.3
TVSB	Tavsanli	5.17 10	PN	Pn	12 36 07.2 +3.0
ATH	Athens Observa	5.20 315	P	Pn	12 36 06.1 +1.6
DID	Didima	5.20 309	P	Pn	12 36 05.4 +0.8
KOT	Kottamia	5.31 145	AMP		12 37 00.0
HHAG	Hagoal	5.42 143	AMP		12 37 00.0
CHBY	Chibaneyli	5.59 40	PN	Pn	12 36 12.9 +2.8
GONE	Gonen-Balikesi	5.71 355	PN	Pn	12 36 14.7 +3.2
TRIP	Tripoli	5.85 305	P	Pn	12 36 14.4 +0.6
ITM	Ithomi	5.92 300	e/Pn	Pn	12 36 15.2 +0.7
ITM		e/Sn	Pn		12 37 19.5 -2.1
ITM	Ithomi	5.92 300	Pn	Pn	12 36 15.1 +0.6
SLTI	Saliti	6.00 109	PN	Pn	12 36 16.3 +0.8
IMDOK	Mount Meron ar	6.04 101	PN	Pn	12 36 17.3 +1.1
MMAI	Mount Meron Ar	6.04 101	PN	Pn	12 36 18.4 +2.3
MMAI		comp=Z,5.8nm,0.3s,baz=324,slow=11			
MMAI		Sn	Sn		12 37 21.9 -2.8
KZIT	Kziot	6.16 122	PN	Pn	12 36 18.6 +0.8
AMAZ	Amatzia	6.21 115	PN	Pn	12 36 19.5 +1.1
KSDI	Kefar Szold	6.21 99	P	Pn	12 37 26.4 -2.3
KSDI	Kefar Szold	6.21 99	PN	Pn	12 36 19.6 +1.2
KSDI		Sn	Sn		12 37 27.5 -1.2
MMLI	Mount Malkishu	6.23 106	P	Pn	12 36 17.7 +1.3
MMLI	Mount Malkishu	6.23 106	PN	Pn	12 36 19.9 +1.2
NATI	Neve Ativ	6.23 96	PN	Pn	12 36 20.0 +0.9

NATI	Rachaya	6.29 96	e/Pn	Pn	12 37 30.1 +0.3
HWQ	Hawqa	6.30 89	e/Pn	Pn	12 36 20.7 +0.9
SHMD	Nahal Hemdat	6.38 107	Pn	Pn	12 36 21.1 +1.3
HMMJ	Saham	6.41 103	Pn	Pn	12 36 22.3 +1.6
DRX	Drossia	6.45 30	Pn	Pn	12 37 33.8 +0.1
RMNI	Mount Ramon	6.60 123	PN	Pn	12 36 24.6 +0.8
MZDA	Masada	6.65 115	PN	Pn	12 36 25.7 +1.3
PAIG	Paliouri	6.69 328	P	Pn	12 36 26.5 +1.5
PAIG		pmax	pmax		
AGG	Agios Georgios	6.71 316	e/Pn	Pn	12 36 26.9 +1.7
AGG	Agios Georgios	6.71 316	e/Pn	Pn	12 36 26.9 +1.7
LISJ	El Lisan	6.77 115	P	Pn	12 37 39.3 -3.1
ALN	Alexandroupoli	6.78 345	e/Pn	Pn	12 36 27.6 +1.3
ALN	Alexandroupoli	6.78 345	e/Sn	Pn	12 37 42.5 -0.2
ALN	Alexandroupoli	6.78 345	Pn	Pn	12 36 27.6 +1.3
GHAJ	Ghor Haditha	6.80 115	PN	Pn	12 36 27.6 +1.0
BR10J	Keskin Array S	6.84 37	e/Pn	Pn	12 36 27.5 +0.4
BR10J	Keskin Array S	6.84 37	e/Sn	Pn	12 37 41.1 -3.2
BR131	Keskin Array S	6.84 37	e/Pn	Pn	12 36 28.9 +1.8
BR131	Keskin Array S	6.84 37	e/Sn	Pn	12 37 41.9 -2.5
BRTR	Keskin Array B	6.84 37	Pn	Pn	12 36 27.6 +0.4
BRTR		comp=Z,1.2nm,0.3s,baz=214,slow=14,SNR=40			
BRTR		Sn	Sn		12 37 41.1 -3.2
WALJ	Wala	6.87 112	Pn	Pn	12 37 45.1 +0.1
PRNI	Paran	6.91 123	PN	Pn	12 36 29.1 +1.0
ZFRJ	Zfiri	6.91 121	PN	Pn	12 36 28.7 +0.6
HRFI	Mount Harif	7.12 125	P	Pn	12 37 47.9 -3.4
HRFI		comp=Z,1.7nm,comp=Z,1.54nm,0.5s			
HRFI	Mount Harif	7.12 125	Pn	Pn	12 36 32.1 +1.1
JDRJ	Darawish	7.17 118	P	Pn	12 37 56.3 +3.8
MBRI	Mt Berech	7.20 127	PN	Pn	12 36 33.2 +1.1
SWQJ	Swaqa	7.21 113	P	Pn	12 37 52.0 -1.3
EIL	Eilat	7.30 128	P	Pn	12 37 51.3 -4.4
EIL	Eilat	7.30 128	PN	Pn	12 36 34.6 +1.1
EIL	Eilat	7.30 128	PN	Pn	12 36 35.8 +2.3
EIL		comp=Z,3.7nm,0.3s,baz=299,slow=2.7,SNR=62			
EIL		Sn	Sn		12 37 51.5 -4.1
AQBJ	Aqaba	7.33 127	P	Pn	12 37 52.4 -3.9
LIT	Litokhoron	7.39 323	P	Pn	12 36 34.0 -0.7
LIT		pmax	pmax		
HSNJ	Maan	7.44 121	P	Pn	12 37 56.9 -2.4
HSNJ		comp=Z,2.2nm,comp=Z,3.69nm,0.6s			
ASF	Jabal al Astar	7.49 104	P	Pn	12 38 00.8 +0.3
ASF	Jabal al Astar	7.49 104	PN	Pn	12 37 59.3 -1.2
SOH	Sokhos	7.57 330	P	Pn	12 36 39.4 +2.3
SOH		pmax	pmax		
KENDRIKON	Kendrikon	8.04 329	P	Pn	12 36 46.5 +2.9
GRG	Griva	8.10 326	P	Pn	12 36 46.9 +2.5
GRG		pmax	pmax		
FNA	Florina	8.47 321	e/Pn	Pn	12 36 51.2 +1.8
FNA	Florina	8.47 321	e/Sn	Pn	12 38 21.3 -3.0
FNA	Florina	8.47 321	e/P	Pn	12 36 51.2 +1.8
FNA	Florina	8.47 321	Pn	Pn	12 38 21.3 -3.0
STIP	Stip	8.79 328	i/P	Pn	12 36 52.2 +2.5
KRUS	Krusevo	8.97 323	i/P	Pn	12 36 59.3 +3.0
TIR	Tirane	9.67 319	e/Pn	Pn	12 37 04.5 -1.4
TIR	Tirane	9.67 319	e/Pn	Pn	12 37 04.5 -1.4
TIP	Timpagrande	10.46 301	e/Pn	Pn	12 37 14.1 -2.6
VOIR	Voiron	11.35 348	P	Pn	12 37 28.0 -1.0
VOIR		pmax	pmax		
CUC	Castroucio	11.46 303	e/Pn	Pn	12 37 27.9 -2.5
VAE	Valguarnera	11.71 289	Sn	Pn	12 39 31.1 -1.3
BZU	Buzias	12.37 337	P	Pn	12 37 42.9 +0.1
BZU		pmax	pmax		
NVLJ	Novolja	14.55 318	i/Pn	Pn	12 38 06.9 -5.6
KBLJ	Khabz	14.67 46	PN	Pn	12 38 19.5 -0.7
KIV	Kislovodsk	14.68 45	e/Pn	Pn	12 38 15.6 +1.2
KIV		pmax	pmax		
PSZ	Piszkesteto	14.96 338	e/Pn	Pn	12 38 19.4 +1.3
PSZ	Piszkesteto	14.96 338	e/Pn	Pn	12 38 19.4 +1.3
KEST	Kes				

19d 13h

MAN 19 13:19:56.5, 10.52N:122.45E, h4km, mb4.0, ML2.7, MS2.3, 2C-1D, Panay
Code Station Name Az AZZ Phase ID Time Res
GUIM Jordan 0.17 53 Op ISC

IDC 19 13:20:16.1±2.0, 6.35N:127.04E, h2km, 19km, mb3.5/9, mb1 3.0/10, mb1mx3.4/37, mbtpm3.8/10, MS3.3/1, Ms1 3.3/1, ms1mx2.8/28, Error ellipse: s-maj=31.9km s-min=1.2km az=64.0

ISC 19 13:20:13.5-1.1, 6.23N:106.127.06E, 0.09, h67km, 12km, n20, c1573/29, mb3.8/9, 1C-1D, Philippine Islands region

Code Station Name Az AZZ Phase ID Time Res
MATI Mati 1.07 312 Op ISC
DMMP Don Marcelino, 1.35 265 Op Pn
DAV Davao City (W) 1.70 300 P Pn

MEX 19 13:21:09.8-0.6, 16.51N:98.44W, h17km, 130km, MD3.9, Near coast of Guerrero

Code Station Name Az AZZ Phase ID Time Res
PNIG Pinotepa 0.32 112 Op Pn
PNIG Vista Hermosa 1.72 71 Op Pn
VHO El Cayaco 1.83 287 Op Pn

DDA 19 13:22:59.2, 39.63N:28.86E, h7km, 2km, ML2.5
ISK 19 13:22:59.7, 39.61N:28.95E, h8km, 5km, ML1.9/3
ISC 19 13:22:59.4-1.2, 39.61N:0.04:28.91E, 0.03, h7km, 10km, n11, c1500/19, Turkey

Code Station Name Az AZZ Phase ID Time Res
DURS Dursunbey 0.34 270 Op Pn
TVSB Tavsanti 0.46 110 PG Pn
KCTX Karacabey (Bur 0.78 327 PG Pn
USAK Uak-Merkez 0.89 174 PG Pn

NNC 19 13:30:12.1±0.6, 42.78N:76.86E, h3km, 2km, mb2.3, mpv2.2, Error ellipse: s-maj=5.3km s-min=1.7km az=160.0
SOME 19 13:30:13.1, 42.78N:76.83E, h10km
KRNET 19 13:30:12.6±0.1, 42.77N:76.84E, h17km, mb2.1, 14C-12D, Lake Issyk-Kul region

Code Station Name Az AZZ Phase ID Time Res
TNSS Tian-Shan 0.28 17 Op Pn
TNSS Tian-Shan 0.28 17 Op Pn
TNSS Tian-Shan 0.28 17 Op Pn

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7.7nm, 0.2s
KOTS Kutyrbulak 0.50 24 P Pg
KOTS Kutyrbulak 0.50 24 S Pg

IDC 19 13:38:46.6±1.0, 45.94N:147.23E, h439km, 145km, mb3.1/3, mb1 2.9/5, mb1mx2.6/41, mbtpm3.7/5, Error ellipse: s-maj=480.9km s-min=29.9km az=109.0

ISC 19 13:38:48.0-0.5, 46.45N:10.146.6E:0.01, h400km, n14, c1549/20, mb3.6/3, Northwest of Kuril Islands

Code Station Name Az AZZ Phase ID Time Res
NEM2 Nemuro 2 3.15 192 Op ISC
NEM2 Nemuro 2 3.15 192 Op Pn
JSE Soyava 3.20 244 P Pn

JMA 19 13:38:49.3±0.5, 46.52N:146.62E, h389km, M3.2
ISC 19 13:38:48.0-0.5, 46.45N:10.146.6E:0.01, h400km, n14, c1549/20, mb3.6/3, Northwest of Kuril Islands

Code Station Name Az AZZ Phase ID Time Res
NEM2 Nemuro 2 3.15 192 Op ISC
JSE Soyava 3.20 244 P Pn
JWK2 Kihoku 3.49 253 P Pn

IDC 19 13:40:59.8±0.6, 29.18N:142.50E, h0km, mb3.7/14, mb1 3.9/16, mb1mx3.8/35, mbtpm3.7/16, ML3.3/3, Error ellipse: s-maj=20.2km s-min=14.8km az=97.0

ISC 19 13:41:02.0±0.5, 29.19N:142.5E:0.1, h27km, mb3.7/14, Error ellipse: s-maj=15.7km s-min=7.4km az=0.3

ISC 19 13:41:03.8±0.7, 29.17N:142.5E:0.1, h27km, n17, c0573/19, mb3.7/14, Southeast of Honshu

Code Station Name Az AZZ Phase ID Time Res
JCJ Chichijima 2.09 188 Op Pn
JCJ Chichijima 2.09 188 Op Pn
MJAR Matsushiro Arr 8.20 335 Pn

0.4nm, 0.6s, baz=271, slow=7.1, SNR=3.6
YKA Yellowknife Arr 70.19 29 P P
KBZ Khabaz 76.82 313 P P

SOME 19 13:59:01.5, 42.33N:75.88E, h10km
NNC 19 13:59:01.6±0.4, 42.34N:75.88E, h0km, mb3.5, mpv3.5, Error ellipse: s-maj=3.2km s-min=1.8km az=168.0

KNET 19 13:59:01.1±0.3, 42.33N:75.88E, h0km, ml2.5, Error ellipse: s-maj=3.0km s-min=1.7km az=16.0

KRNET 19 13:59:01.4±0.1, 42.31N:75.87E, h18km, mb3.4, 47C-41D, Lake Issyk-Kul region

Code Station Name Az AZZ Phase ID Time Res
BOOM Booms koye usch 0.19 17 Op Pn
BOOM Booms koye usch 0.19 17 Op Pn
ULHL Ulahol 0.29 102 Op Pn

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like ARLS, KOTS, USP, SGDS, KTBS, TARG, EKSS, AML, KUU, CHKK, MRKS, ARXS, UZB, MNAS, PDGK, and SKK31.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like KK31, IUG, MAKZ, MK31, OTUK, KURB, KURK, ISCJB, CNRM, MDD, IGIL, INMG, and ISC.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Bandwidth, SNR, and other parameters. Includes stations like PMAFR, EBAJ, IFR, EOSO, EMIN, ESPR, PMTG, EJIF, LCRM, PESTR, MDT, GOLM, TBT, EGOM, EHIG, EMIJ, EMUJ, PMRV, PMRV, PCAS, PCAS, HORH, ECAB, ECAB, AKLM, EGOR, EADA, EADA, ELGU, ELGU, EPLA, EQU, EQU, JBK, POLO, POLO, MVO, MVO, EQES, EQES, PCAB, PCAB, PAB, PAB, ELOB, PGAV, PGAV, EZAM, EZAM, ESDC, SESP, SESP, ECAL, GUD, GUD, EMAZ, EAGO, ETOB, EPON, EPON, and IDC.



MW5: 1/109, Moment Tensor Solution. s44.c58; s109.c169; Duration: 0 Moment tensor: Scale 10^16Nm; M0: 0.13±.08; Mw: 4.84±.10; Mb: 4.71±.10; Mo: 0.64±.19; Mw: 0.13±.08; Mb: 0.27±.20; Best double couple; Mo: 8.2500x10^16 NP1: 226.00000°, 887.00000°, λ: -8.00000°. NP2: 316.00000°, 882.00000°, λ: -177.00000°. Principal axes: T 4.7290, Plg3,0000°, Azm271,0000°; N 0.1900, Plg82,0000°, Azm277,0000°; P -4.9220, Plg7,0000°, Azm181,0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 19 14:17:43.1, 0.3, 31223N, 103.3, 105.27E, 0.03, h10km, n221, +226/244, mb4.6/80, MS4.6/63, 13C-8D, Sichuan

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC, Res. Lists various seismic stations and their recorded data for the event.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC, Res. Lists various seismic stations and their recorded data for the event.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res, ISC, h, m, s, ISC, Res. Lists various seismic stations and their recorded data for the event.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KURK, MJAR, HYB, BTLS, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like VRH, BILL, BILL, BILL, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CEDE, PLVR, AMAS, ACAL, etc.



Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, Station Name, and other parameters. Includes stations like CHGB, SMLT Sun Moon Lake, CHNS Tsauling, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, Station Name, and other parameters. Includes stations like IRIF Iriomote-Funau, JKRS Kuro-shima, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like SRIG Santa Rosalia, SFBG Guaymas, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like SFRG Sufi-Kurgan, AML Aln-Ramays, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like SFAK Sufi-Kurgan, SFAK Sufi-Kurgan, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like AAK Ala-Archa, AAK Ala-Archa, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like AAK Ala-Archa, AAK Ala-Archa, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like AAK Ala-Archa, AAK Ala-Archa, etc.

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like AAK Ala-Archa, AAK Ala-Archa, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like AAK Ala-Archa, AAK Ala-Archa, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, Station Name, and other parameters. Includes stations like ULN Ulanbaatar, SONM Songino Array, etc.

Table with columns: Call Sign, Frequency, Mode, Power, Azimuth, Elevation, Station Name, and other parameters. Includes stations like IDC 19:16:08.51.6.1.1, 43.19N, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like RSSD Black Hills, K22A Casper, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like BW06 Boulder Array, OGNE Ogallala, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like LKWW Lake, ISCO Idaho Springs, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like IMW Indian Meadow, VHH Holmes Hill, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like BOZO Bozeman (W), KSCO Kaye Sheddlock, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like PV07 Paradox Valley, PV21 Cone Mtn., etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like PV10 Paradox Valley, PV16 Nyswonger Mesa, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like PV17 East Wray Mesa, PV13 Radium Mtn., etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like PV19 Morning Glory, MSU Marysville, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like ULM Lac du Bonnet, TXAR Lajitas Array, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like YKA Yellowknife Arr, YKA Yellowknife Arr, etc.

19d 16h

Table with columns: KOTS, KOTybulak, 1.96 291 Pg, Pg, 16 12 45.4 -1.1, etc. Includes station names like KOTybulak, MDOK Medeo, TNSs Tian-Shan, etc.

2013 FEB

Table with columns: YUK, YUK, comp=Z,6µm,0.2s, pmax, pmax, etc. Includes station names like GRPR Tuman, GRPR Tuman, etc.

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Table with columns: NB2 NORSAR Subarra, 69.74 339 P, P, 16 37 18.1 -1.0, etc. Includes station names like EDFI Ende, MMRI Maumere, etc.

SFJD	Kangerlussuaq	6.63 332	PN	Pn	16 58 41.8	-0.7
SFJD			SN	Sn	16 59 56.7	-1.4
SFJD			Trac		17 00 02.2	
SFJD	comp=Z,77nm,0.3s		LG	Lg	17 00 34.5	
SFJD	Kangerlussuaq	6.63 332	LG	Pn	16 58 41.3	-1.2
SFJD			i/S	Sn	16 59 55.9	-2.2
SFJD	Kangerlussuaq	6.63 332	Pn	Sn	16 58 41.8	-0.7
SFJD	4.3nm,0.3s,baz=142,slow=13,SNR=28		SN	Sn	16 59 55.8	-2.2
SFJD	20nm,0.3s,baz=217,slow=18,SNR=6.8		LR	LR	17 01 24.3	
SFJD	comp=Z,774nm,20.0s,baz=146,slow=39		LR	LR	16 59 09.2	-0.7
ILULI	Ilulissat	8.63 340	eP	Pn	16 59 07.9	+1.9
ILULI	Ilulissat	8.63 340	PN	Sn	17 00 44.0	-3.0
ILULI			Trac		17 01 35.4	
ILULI	comp=Z,698nm,0.9s		LG	Lg	17 01 37.4	
BORG	Borgarnes	8.63 340	eP	Pn	16 59 09.2	-0.7
BORG		10.24 61	eP	Sn	16 59 29.1	-2.9
BORG	Borgarnes	10.24 61	SN	Sn	17 01 17.8	-8.9
BORG	Borgarnes	10.24 61	Pn	Sn	16 59 29.1	-2.9
BORG	2.1nm,0.3s,baz=282,slow=3.5,SNR=9.4		SN	Sn	16 59 31.5	-0.4
BORG	baz=304,slow=22,SNR=3.2		LR	LR	17 01 17.8	-8.9
BORG	comp=Z,527nm,20.8s,baz=252,slow=32		LR	LR	17 02 32.5	
MKVL	Makkovik	10.71 241	PN	Sn	16 59 35.7	-2.8
MKVL			SN	Sn	17 01 30.6	-7.6
NANL	Nain	10.93 252	PN	Pn	16 59 40.3	-1.1
NANL			SN	Sn	17 01 38.0	-5.5
NANL	comp=Z,0.5nm,0.0s		Trac		17 01 53.1	
SUMG	Summit	11.38 6	eP	Pn	16 59 45.4	-2.5
SUMG		11.38 6	i/P	Pn	16 59 45.2	-2.7
SUMG		11.38 6	eP	Pn	16 59 45.4	-2.5
KAJU	Kangisuaq	11.91 267	PN	Pn	16 59 56.5	+1.6
KAJU			SN	Sn	17 02 02.9	-4.7
FRB	Frøbisher Bay	12.14 293	PN	Pn	16 59 58.0	+0.2
FRB			SN	Sn	17 02 09.5	-3.6
FRB			Trac		17 02 35.7	
FRB	comp=Z,74nm,1.6s		PN	Pn	16 59 59.0	+1.2
FRB	0.5nm,0.3s,baz=95,slow=11,SNR=17		SN	Sn	17 02 05.1	-7.9
FRB	0.4nm,0.3s,baz=254,slow=9.8,SNR=2.3		LR	LR	17 04 42.6	
FRB	comp=Z,690nm,18.0s,baz=83,slow=38		LR	LR	17 04 42.6	
KNQG	Kangisuaq	13.94 284	PN	Pn	17 00 22.8	+0.4
KNQG			SN	Sn	17 02 51.5	-5.5
KNQG			Trac		17 03 39.8	
KNQG	comp=Z,724nm,3.5s		Trac		17 03 39.8	
KULLO	Kullorsuaq	14.28 344	PN	Pn	17 00 25.6	-1.4
KULLO			SN	Sn	17 02 49.6	-1.6
KULLO			Trac		17 03 34.9	
KULLO	comp=Z,83nm,1.1s		Trac		17 03 34.9	
SCHO	Schefferville	14.29 254	Pn	Pn	17 00 27.2	-0.1
SCHO	1.0nm,0.3s,baz=59,slow=10,SNR=18		SN	Sn	17 02 59.2	-6.5
SCHO	1.0nm,0.3s,baz=190,slow=18,SNR=3.3		LR	LR	17 05 34.6	
SCHO	comp=Z,346nm,18.7s,baz=12,slow=36		LR	LR	17 05 34.6	
DRLN	Deer Lake	14.73 221	eP	Pn	17 00 33.2	-0.1
JMIC	Jan Mayen	16.56 40	LR	LR	17 05 54.0	
JMIC	comp=Z,221nm,21.4s,baz=254,slow=32		LR	LR	17 05 54.0	
DAG	Danmarks Havn	17.43 18	i/P	Pn	17 01 05.9	-2.1
DAG			PN	Pn	17 01 05.9	-2.1
DAG			Trac		17 01 05.9	-2.1
DAG	comp=Z,28nm,1.2s		PN	Pn	17 01 05.9	-2.1
TULEG	Thule	17.59 340	eP	Pn	17 01 08.9	-1.1
TULEG	comp=Z,15nm,0.9s		PN	Pn	17 01 08.9	-1.1
ILON	Ilgolik, Nuna	17.86 313	PN	Pn	17 01 13.1	-0.2
ILON			SN	Sn	17 04 25.6	-6.4
BATG	Bathurst New B	19.46 234	eP	Pn	17 01 32.4	+0.7
BATG	comp=Z,40nm,1.4s		PN	Pn	17 01 32.4	+0.7
CHGO	Chibougamaq	21.01 251	P	P	17 01 48.6	+0.1
CHGO	baz=45		P	P	17 01 48.6	+0.1
ESK	Eskdalemir	21.31 89	eP	P	17 01 50.2	-1.5
ESK			PN	Pn	17 01 50.2	-1.5
ESK			Trac		17 01 50.2	-1.5
EKA	Eskdalemir	21.32 89	P	P	17 01 50.7	-1.2
EKA	comp=Z,24nm,0.9s,baz=298,slow=8.2,SNR=45		PN	Pn	17 01 50.7	-1.2
LATQ	La Tuque	22.17 245	P	P	17 02 01.2	+0.3
LATQ	baz=40		P	P	17 02 01.2	+0.3
PKME	Peaks-Kenny Pk	22.29 236	P	P	17 02 03.3	-0.1
PKME	baz=35		P	P	17 02 03.3	-0.1
RES	Resolute Bay	22.60 327	eP	P	17 02 05.2	-0.2
RES	comp=Z,9.5nm,0.8s		eP	P	17 02 05.2	-0.2
RES	Resolute Bay	22.60 327	eP	P	17 02 05.2	-0.2
RES	comp=Z,9.0nm,0.8s		eP	P	17 02 06.7	+1.3
RES	Resolute Bay	22.60 327	P	P	17 02 06.7	+1.3
RES	comp=Z,9.3nm,0.8s,baz=96,slow=8.0,SNR=27		LR	LR	17 02 06.7	+1.3
RES	comp=Z,245nm,19.2s,baz=138,slow=35		LR	LR	17 01 11.8	
MATQ	Matagami	22.62 255	P	P	17 02 06.4	+0.6
MATQ	baz=46		P	P	17 02 06.4	+0.6
LSQG	Label-sur-Quev	22.81 253	P	P	17 02 08.3	+0.5
LSQG	baz=45		P	P	17 02 08.3	+0.5
D54A	Lac Fusel, La	24.06 249	P	P	17 02 20.4	+0.1
D54A	baz=42		P	P	17 02 20.4	+0.1
FRNY	Flat Rock	24.52 242	P	P	17 02 23.2	-1.3
FRNY	comp=Z,32nm,0.9s		P	P	17 02 23.2	-1.3
D53A	Lac Vachiv, Po	24.59 251	P	P	17 02 25.6	+0.5
D53A	baz=42		P	P	17 02 25.6	+0.5
SPA0	Spitsbergen Ar	24.69 25	eP	P	17 02 25.1	-0.7
SPA0	comp=Z,57nm,1.5s		P	P	17 02 25.1	-0.7
SPITS	Spitsbergen Ar	24.69 25	P	P	17 02 27.9	+2.1
SPITS	comp=Z,6.5nm,1.1s,baz=219,slow=5.2,SNR=3.3		LR	LR	17 02 27.9	+2.1
SPITS	comp=Z,124nm,19.5s,baz=305,slow=33		LR	LR	17 04 47.4	
E54A	Lac Duplat, Po	24.84 249	P	P	17 02 28.1	+0.8
E54A	baz=41		P	P	17 02 28.1	+0.8
D52A	ZEK Kipawa Sen	24.99 251	P	P	17 02 29.2	+0.5
D52A	baz=42		P	P	17 02 29.2	+0.5
E53A	Dumoine, Ponti	25.10 249	P	P	17 02 30.6	+0.9
E53A	baz=41		P	P	17 02 30.6	+0.9
LONY	Lake Ozonia	25.11 243	eP	P	17 02 29.7	-0.1
LONY	comp=Z,45nm,1.0s		P	P	17 02 33.1	+2.4
KONO	Kongsberg	25.23 70f	eP	P	17 02 33.1	+2.4
KONO	comp=Z,64nm,2.5s		PN	Pn	17 02 33.1	+2.4
FCC	Fort Churchill	25.25 287	eP	P	17 02 31.3	+0.4
FCC	comp=Z,20nm,1.3s		PN	Pn	17 02 31.3	+0.4
FCC	Fort Churchill	25.25 287	eP	P	17 02 31.3	+0.4
FCC	comp=Z,20nm,1.3s		PN	Pn	17 02 31.3	+0.4
NB2	NORSAR Subarra	25.35 67	P	P	17 02 34.6	+2.7
NB2	comp=Z,16nm,1.2s,baz=290,slow=10		P	P	17 02 34.6	+2.7
NB200	NORSAR Array S	25.35 67	P	P	17 02 31.2	-0.7
NOA	NORSAR Array B	25.35 67	P	P	17 02 31.2	-0.7
NOA	comp=Z,6.8nm,1.0s,baz=292,slow=9.7,SNR=4.3		LR	LR	17 02 31.2	-0.7
NOA	comp=Z,138nm,20.8s,baz=295,slow=32		LR	LR	17 02 31.2	-0.7
HRV	Adam Dzielowski	25.60 236	P	P	17 02 33.9	-0.3
HRV	baz=33		P	P	17 02 33.9	-0.3
E52A	Mattawa	25.62 250	P	P	17 02 35.4	+1.0
E52A	baz=41		P	P	17 02 35.4	+1.0
D49A	Beulah Townshi	26.13 255	P	P	17 02 39.9	+0.9
D49A	baz=43		P	P	17 02 39.9	+0.9
H55A	Tweed	26.30 246	P	P	17 02 40.6	0.0
H55A	baz=38		P	P	17 02 40.6	0.0
HFS	Hagfors	26.85 67	LR	LR	17 12 41.1	
HFS	comp=Z,68nm,18.1s,baz=287,slow=35		LR	LR	17 12 41.1	
SADO	Sadowna	27.00 249	LR	LR	17 13 13.6	
SADO	comp=Z,232nm,19.6s,baz=32,slow=36		LR	LR	17 13 13.6	
ARA0	ARCES Array S	27.96 44	eP	P	17 02 54.3	-1.0
ARCES	ARCES Array B	27.96 44	eP	P	17 02 54.3	-1.0
ARCES	comp=Z,5.1nm,1.0s,baz=282,slow=7.3,SNR=6.8		P	P	17 02 54.3	-1.0
E46A	Sault Ste Mari	28.17 257	P	P	17 02 57.7	+0.3
E46A	baz=43		P	P	17 02 57.7	+0.3
F44A	Big Bay de Noc	29.46 259	P	P	17 03 10.2	+1.4
F44A	baz=43		P	P	17 03 10.2	+1.4
SSPA	Standing Stone	29.77 242	P	P	17 03 12.2	+0.6
SSPA	baz=34		P	P	17 03 12.2	+0.6
G43A	Wallace	30.58 259	P	P	17 03 19.8	+1.1
G43A	baz=42		P	P	17 03 19.8	+1.1
ECH	Echery	30.76 92	eP	P	17 03 18.0	-2.3
ECH	comp=Z,7.1nm,1.0s		PN	Pn	17 03 18.0	-2.3

ECH	Echery	30.76 92	eP	P	17 03 18.0	-2.3
ECH			PN	Pn	17 03 18.0	-2.3
ULM	Lac du Bonnet	31.00 274	eP	P	17 03 21.9	-0.5
ULM	comp=Z,7.0nm,1.0s		PN	Pn	17 03 21.9	-0.5
ULM	Lac du Bonnet	31.00 274	eP	P	17 03 21.9	-0.5
ULM	comp=Z,4nm,0.8s		PN	Pn	17 03 21.9	-0.5
ULM	Lac du Bonnet	31.00 274	P	P	17 03 21.8	-0.5
ULM	comp=Z,1.1nm,0.7s,baz=62,slow=8.3,SNR=16		LR	LR	17 15 32.4	
CLL	Collin	31.50 83	eP	MLR	17 03 26.0	-0.7
CLL	comp=Z,200nm,19.6s		MLR	MLR	17 15 00.0	
CLL	Collin	31.50 83	eP	P	17 03 26.0	-0.7
FLAO	FINES Array S	31.53 59	eP	P	17 03 27.5	+0.6
FLAO	FINES Array S	31.53 59	eP	P	17 03 27.5	+0.6
FINES	FINES Array S	31.53 59	eP	P	17 03 27.5	+0.6
FINES	comp=Z,4.0nm,0.7s,baz=294,slow=10,SNR=8.9		LR	LR	17 14 47.7	
F39A	Loretta	31.64 263	P	P	17 03 29.7	+1.6
F39A	baz=43		P	P	17 03 29.7	+1.6
F38A	Pierce - Schro	32.06 264	P	P	17 03 32.2	+0.4
F38A	baz=44		P	P	17 03 32.2	+0.4
Q55A	Buckhannon	32.07 243	P	P	17 03 31.2	-0.8
Q55A	baz=34		P	P	17 03 31.2	-0.8
Q55A	Sonsea Array	32.07 115	P	P	17 03 31.8	-0.2
Q55A	comp=Z,1.4nm,0.8s,baz=322,slow=9.9,SNR=8.2		LR	LR	17 14 10.6	
ESDC			LR	LR	17 14 10.6	
ESDC	comp=Z,118nm,18.1s,baz=265,slow=32		LR	LR	17 14 10.6	
YK19	Yellowknife Ar	32.28 304	P	P	17 03 30.8	-1.3
YK19	Yellowknife Ar	32.28 304	P	P	17 03 33.7	+0.2
YKA	comp=Z,3.5nm,0.7s,baz=57,slow=9.5,SNR=46		PcP	PcP	17 06 20.8	-0.4
YKA	comp=Z,0.4nm,0.6s,baz=34,slow=2.5,SNR=4.9		ScP	ScP	17 10 06.6	+2.1
YKA	comp=Z,0.3nm,0.7s,baz=57,slow=4.5,SNR=3.5		LR	LR	17 16 38.5	
YKBS	Yellowknife Ar	32.28 304	eP	P	17 03 33.8	+0.3
YKBS			eP	P	17 06 21.5	+0.3
N49A	Columbus Grove	32.31 250	P	P	17 03 24.7	+0.7
N49A	baz=37		P	P	17 03 24.7	+0.7
AGMN	Agassiz Nation	32.32 271	eP	P	17 03 34.1	+0.1
AGMN	comp=Z,14nm,0.9s		PN	Pn	17 03 34.1	+0.1
ACSO	Alum Creek Sta	32.33 248	P	P	17 03 36.7	+2.5
ACSO	baz=36		P	P	17 03 36.7	+2.5
H40A	Chil	32.34 261	P	P	17 03 35.7	+1.5
H40A	baz=42		P	P	17 03 35.7	+1.5
G38A	Ridgeland	32.63 263	P	P	17 03 38.7	+1.9
G38A						



19d 16h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like SCRK Sand Creek, HYT Haines Junction, LKWKY Lake, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like S22A 4UR Ranch, S22A 4UR Ranch, CTU Camp Tracy, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like BEKR Beckworth, NV11 Mina Array Sit, X16A Lo Mia Camp, etc.



19d 18h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Honiara, Waramunga Arr, WAKE ISLAND Hy, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Ksiaz, Upice, Dobruska-Polom, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like THIG, PCIG, CCIG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BARC, BARRC, PAMC, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DDA, TIF, ISK, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARTV, DBOC, BORA, etc.

ISC 19 18:55:16.8:0.8, 10.435:167.55E, h0km, mb4.5/3, mb1 4.7/13, mb1mx4.4/39, mbmtmp4.4/13, MS3.9/24, MS1 3.9/24, ms1mx3.7/43, Error ellipse: s-maj=30.1km

NEIC 19 18:55:19.2:0.2, 10.355:167.34E, h10km, mb5.0/93, Error ellipse: s-maj=6.4km s-min=4.0km az=140.0

ISCJB 19 18:55:21.2:0.2, 10.465:167.33E, h0.04, h33km, s-min=4.6km az=143.8

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR, MARC, DZM, etc.

ISC 19 18:55:25.7:0.5, 10.505:167.30E, h79km, mb4.9/8, mb4.4/11, ISC 19 18:55:23.2:0.4, 10.415:167.32E, h0.06, h35km, n155, a1919/140, mb5.0/107, MS3.9/23, 1C-1D, Santa Cruz

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR, MARC, DZM, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NACB, ASAJ, PETK, VVDA, SKNT, etc.









19d 20h

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
JKRS	Kuro-shima	1.15	95	P	19 58 08.2 +0.5	Pn
JKRS				S	19 58 23.1 +0.6	Sn
NDT	Datong Townshi	1.16	283	P	19 58 08.7 +0.7	Sn
NDT				S	19 58 23.9 +1.1	Sn
ETLH	Xiulin Townshi	1.17	263	P	19 58 08.0 -0.1	Pn
ETLH				eS	19 58 23.2 -0.1	Sn
NWLT	Wulai	1.22	291	P	19 58 09.2 +0.4	Pn
NWLT				S	19 58 24.8 +0.5	Sn
TWA	Mucha	1.24	301	P	19 58 09.4 +0.4	Pn
TWA				S	19 58 24.8 +0.1	Sn
NNSB	Datong	1.26	274	P	19 58 09.4 +0.1	Pn
NNSB				eS	19 58 24.8 -0.5	Sn
JIJ	Ishigaki jima	1.26	89	P	19 58 09.0 -0.3	Pn
JIJ				S	19 58 24.6 -0.7	Sn
NNS	Nan Shan	1.27	274	P	19 58 09.6 +0.2	Pn
YHNB	Yeheng	1.30	284	P	19 58 10.5 +0.7	Pn
YHNB				eS	19 58 26.3 +0.1	Sn
TATO	Taipei	1.31	299	P	19 58 10.2 +0.2	Pn
TATO				eS	19 58 26.6 +0.2	Sn
NSK	Sanguang	1.31	285	P	19 58 10.8 +0.7	Pn
NSK				eS	19 58 26.5 -0.1	Sn
ESL	Shilin	1.32	246	P	19 58 09.3 -0.8	Pn
TAP	Taipei	1.33	301	P	19 58 10.6 +0.4	Pn
TAP				S	19 58 27.4 +0.6	Sn
YM01	YM01	1.34	306	eP	19 58 10.1 -0.2	Pn
YM01				eS	19 58 27.3 +0.1	Sn
YM11	YM11	1.35	307	eP	19 58 10.7 +0.1	Pn
YM11				eS	19 58 27.8 +0.3	Sn
YM08	YM08	1.35	308	eP	19 58 10.3 -0.2	Pn
YM05	YM05	1.35	307	eP	19 58 10.5 -0.1	Pn
YM05				eS	19 58 27.6 +0.1	Sn
YM04	YM04	1.37	306	P	19 58 10.8 +0.1	Pn
YM04				eS	19 58 27.7 -0.2	Sn
WHF	Heluan Shan	1.38	262	P	19 58 11.0 -0.3	Pn
WHF				S	19 58 27.0 -1.6	Sn
EGFH	Guangfu	1.39	241	eP	19 58 10.6 -0.5	Pn
EGFH				eS	19 58 27.1 -1.3	Sn
TWY	Chenhua	1.40	311	eS	19 58 29.6 +1.1	Sn
TWS1	Kuangyinshan	1.43	302	eP	19 58 12.0 +0.5	Pn
TWS1				eS	19 58 29.7 +0.4	Sn
JISG	Ishigakijimahi	1.44	80	P	19 58 11.4 -0.2	Pn
JISG				S	19 58 28.8 -0.6	Sn
NTST	Danshui	1.44	305	eP	19 58 12.1 +0.4	Pn
NTST				eS	19 58 29.9 +0.4	Sn
TWT	Tachien	1.45	266	P	19 58 12.9 +1.0	Pn
TWT				eS	19 58 29.9 +0.0	Sn
TDCB	Techi	1.46	266	P	19 58 13.0 +0.8	Pn
CHGB	Renai	1.48	259	P	19 58 12.4 0.0	Pn
CHGB				eS	19 58 31.1 +0.4	Sn
HGSD	Ruisui	1.49	235	eP	19 58 11.5 -0.9	Pn
HGSD				eS	19 58 29.6 -1.1	Sn
OWD	Renai	1.50	255	P	19 58 12.4 -0.2	Pn
OWD				eS	19 58 30.2 -0.9	Sn
NCU	National Centr	1.56	294	eS	19 58 32.5 +0.1	Sn
NCUH	Zhongli	1.56	294	eP	19 58 14.0 +0.7	Pn
NCUH				eS	19 58 32.8 +0.4	Sn
EHY	Hungye	1.56	238	eP	19 58 12.7 -0.7	Pn
VWDT	VWDT	1.59	248	P	19 58 14.0 +0.2	Pn
VWDT				S	19 58 32.9 -0.3	Sn
LIOB	Emei	1.61	281	P	19 58 14.2 +0.2	Pn
LIOB				S	19 58 34.1 +0.3	Sn
NSTT	Nanjuang	1.62	280	P	19 58 14.9 +0.8	Pn
NSTT				S	19 58 35.0 +1.0	Sn
YULB	Yu-li	1.64	235	P	19 58 13.8 -0.6	Pn
YULB				eS	19 58 32.6 -1.9	Sn
TWF1	Yuli	1.67	234	P	19 58 14.3 -0.4	Pn
TWF1				S	19 58 33.9 -1.2	Sn
SSLB	Suanguilung	1.74	252	eP	19 58 15.9 0.0	Pn
SSLB				eS	19 58 34.9 -2.1	Sn
SMLT	Sun Moon Lake	1.76	255	eP	19 58 16.7 +0.6	Pn
SMLT				eS	19 58 37.1 -0.4	Sn
TYC	Yuch	1.79	256	eP	19 58 17.2 +0.8	Pn
TYC				eS	19 58 37.4 -0.7	Sn
JTJ	Tarama	1.79	80	P	19 58 16.9 +0.4	Pn
JTJ				S	19 58 37.7 -0.5	Sn
NMLH	Miaoii	1.80	276	eP	19 58 16.9 +0.3	Pn
NMLH				eS	19 58 38.6 +0.2	Sn
TWQ1	Liyutan	1.81	270	eP	19 58 17.6 +0.9	Pn
TWQ1				eS	19 58 40.1 +1.5	Sn
WHYT	Xinyi Township	1.86	250	eP	19 58 18.4 +1.0	Pn
WHYT				S	19 58 40.0 +0.1	Sn
YUS	Yu-Shan	1.86	243	P	19 58 18.1 +0.2	Pn
YUS				S	19 58 39.2 -1.3	Sn
TCU	Taichung	1.91	264	P	19 58 19.3 +1.3	Pn
TCU				eS	19 58 41.1 +0.1	Sn
WJS	Zhushan	1.93	255	eP	19 58 19.8 +1.4	Pn
WJS				eS	19 58 41.8 +0.3	Sn
WDJ	Dajia District	1.93	270	eP	19 58 18.6 +0.2	Pn

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Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
WNT	Minglian	1.95	256	eP	19 58 41.7 +0.2	Sn
WNT				eS	19 58 20.4 +1.8	Pn
EDLW	Lidau	1.97	234	P	19 58 20.1 +1.1	Pn
CHNS	Tsauling	2.04	249	P	19 58 21.3 +1.3	Pn
CHNS				eS	19 58 45.7 +1.3	Sn
TWGB	Beilin	2.17	226	eP	19 58 21.4 -0.3	Pn
TWG	Pinlang	2.17	226	eP	19 58 21.2 -0.4	Pn
TWG				eS	19 58 45.1 -2.3	Sn
TPUB	Ta-pu	2.21	242	eP	19 58 23.6 +1.3	Pn
TPUB				eS	19 58 48.9 +0.5	Sn
RLNB	Erlin	2.24	259	eP	19 58 23.9 +1.1	Pn
RLNB				eS	19 58 49.7 +0.7	Sn
CHN2	Minshiang	2.24	249	eP	19 58 24.8 +2.2	Pn
CHN2				eS	19 58 49.9 +0.8	Sn
WTP	Tai-pu	2.25	241	eP	19 58 24.4 +1.6	Pn
WTP				eS	19 58 49.1 -0.4	Sn
CHY	Chiay	2.30	249	eP	19 58 24.1 +0.7	Pn
CHY				eS	19 58 50.9 +0.4	Sn
SNST	Tainan City	2.36	242	eP	19 58 26.3 +2.1	Pn
SNST				eS	19 58 53.1 +1.1	Sn
SLGT	Liugui	2.36	235	eP	19 58 25.5 +1.2	Pn
SLGT				eS	19 58 53.1 +1.0	Sn
WSF	Szhu	2.42	253	eP	19 58 54.7 +1.1	Pn
SSD	Sarimen	2.52	231	P	19 58 27.6 +1.1	Pn
SSD				eS	19 58 56.7 +0.7	Sn
MASBT	Mashuluo	2.61	229	eP	19 58 28.3 +0.7	Pn
MASBT				eS	19 58 58.4 +0.2	Sn
SSPT	Xinbi	2.74	228	eP	19 58 30.1 +0.7	Pn
SSPT				eS	19 59 01.9 +0.6	Sn
PTTC	Pingtan	2.94	293	eP	19 58 32.5 +0.3	Pn
PTTC				eS	19 59 04.0 -2.4	Sn
PHUB	Peng-hu	3.03	255	eP	19 58 33.6 +0.2	Pn
PHUB				eS	19 59 06.2 -2.3	Sn
MATB	Ma-tsu	3.11	306	eP	19 58 34.0 -0.6	Pn
MATB				eS	19 59 09.6 -1.0	Sn
XPSS	Dashiqi	3.46	318	eP	19 58 39.1 -0.1	Pn
XPSS				eS	19 59 17.0 -2.0	Sn
LYJJ	Jianjiangzhen	3.48	310	eP	19 58 40.2 +0.6	Pn
LYJJ				eS	19 59 17.6 -2.0	Sn
MHZO	Yeshan	3.80	298	eP	19 58 45.7 +1.8	Pn
MHZO				eS	19 58 45.5 -1.0	Sn
KNMB	Chin-men Tao	3.98	273	eP	19 58 45.5 -1.0	Pn
AXDP	Jialiang	4.39	278	P	19 58 51.5 -0.5	Pn
AXDP				eS	19 58 51.5 -0.5	Sn
ISCJB 19 20:22:48.0:1.3,83S:0.1:121.53E:0.08,h10km,mb3.4/1,MS4.0/1,Error ellipse: s-maj=19.0km s-min=10.1km az=17.7						
IDC 19 20:22:49.9:1.9,697S:123.54E,h0km,mb3.3/1,mb1.3,5/3,mb1mx3.3/24,mbtrmp3.3/3,ML2.7/2,MS4.0/1,MS1.4.0/1,ms1mx2.8/14,Error ellipse: s-maj=207.8km s-min=30.3km az=58.0						
DJA 19 20:22:49.8:1.1,8.5S:13.13E:0.121.57E:h14km,mb3.1/5,MLV3.1/5						
ISC 19 20:22:49.3:1.4,8.4S:0.1:121.57E:0.08,h10km,M3.8,α136/8,Flores region						
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
EDFI	Ende, Flores	0.39	162	Op	20 22 58.8 +0.4	Pg
MMRI	Maumere	0.71	111	P	20 23 03.2 +0.1	Pb
MMRI				S	20 23 13.6 -0.1	Sb
WSI	Waingapu	1.79	224	P	20 23 19.4 -1.0	Pn
SOEI	Soe	3.00	117	P	20 23 42.5 -0.4	Pb
WRA	Warramunga Arr	16.88	134	Pn	20 28 44.3 -1.6	Pn
ASAR	Alice Springs	19.25	144	P	20 27 17.4 +2.3	Pn
KLR	Kul'dur	58.05	8	LR	20 56 24.6	P
MKAR	Makanchi Array	65.10	331	P	20 33 30.8 +0.5	P
SOME 19 20:24:31.2,43.10N:78.40E,h5km						
KRNET 19 20:24:31.2:0.1,42.58N:79.68E,h35km,mb1.6						
NNC 19 20:24:29.9:0.7,43.12N:78.37E,h5km,6km,mpv1.9,4C,D,Error ellipse: s-maj=5.7km s-min=2.8km az=177.0,Lake Issyk-Kul region						
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
SATY	Saty	0.07	160	Op	20 24 32.5 +0.9	Pg
SATY				S	20 24 33.6 +0.9	Sg
SATY				P	20 24 32.4 +0.8	Pg
SATY				eS	20 24 33.8 +1.0	Sg
UZB	Uzynbulak	0.47	87	P	20 24 40.0 -0.8	Pb
UZB				S	20 24 46.4 +1.1	Sg
UZB				Pb	20 24 40.0 -0.8	Pb
UZB				eS	20 24 46.4 +1.1	Sg
PRZ	Przheval'sk	0.64	178	Op	20 24 49.4 +3.5	Pg
PRZ				Op	20 25 02.3 +5.8	Sn
PDGK	Podgornoye	0.84	76	P	20 24 47.0 -0.1	Pb
PDGK				S	20 24 57.8 +0.8	Sg
PDGK				Pb	20 24 46.6 -0.5	Pb
PDGK				J	20 24 57.7 +0.7	Sg
TNSS	Tian-Shan	1.05	266	P	20 24 50.5 -0.3	Pb
TNSS				S	20 25 04.1 +0.5	Sg
KDJ	Kajisay	1.33	222	Op	20 25 02.5 +7.1	Pn
KDJ				Op	20 25 25.4 +1.2	Sn
TARG	Taragay, Kyrgy	1.46	197	Op	20 24 58.7 +0.9	Pg
TARG				Op	20 25 19.3 +2.3	Sn

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Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
KRNET 19 20:26:33.0:0.1,40.60N:78.26E,h21km,mb2.1						
SOME 19 20:26:33.9,40.68N:78.65E,h20km						
NNC 19 20:26:34.6:1.0,40.78N:78.61E,h0km,mb3.2,mpv2.9,14C-10D,Error ellipse: s-maj=6.7km s-min=4.9km az=172.0,Southern Xinjiang						
Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
TARG	Taragay, Kyrgy	1.12	328	Op	20 26 54.8 -1.3	Pg
TARG				Op	20 27 10.8 +0.1	Sg
PRZ	Przheval'sk	1.71	355	Op	20 27 07.3 0.0	Pg
PRZ				Op	20 27 32.1 +2.6	Sg
KDJ	Kajisay	1.72	322	Op	20 27 05.1 -0.9	Pn
KDJ				Op	20 27 27.7 -1.1	Sn
NRN	Naryn	2.08	289	Op	20 27 07.4 -3.6	Pn
NRN				Op	20 27 32.6 -5.1	Sn
SATY	Saty	2.28	356	Op	20 27 17.5 -0.8	Pg
SATY				Lg	20 27 48.4	Lg
SATY				Op	20 27 17.5 -0.8	Pg
SATY				eS	20 27 48.9 +1.0	Sg
ULHL	Ulhal	2.30	310	Op	20 27 12.4 -1.6	Pn
ULHL				Op	20 27 40.7 -2.4	Sn
UZB	Uzynbulak	2.38	7	Pg	20 27 18.1 -0.4	Pb
UZB				Lg		

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ENEZ, ALN, Alexandroupoli, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like OJC, LANS, MORC, etc.

ISC 19 20:40:22.9±1.3, 50.09N; 0.06°19.16E; 0.04, h0km, n4, r1501/8, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SNPH, TBP, GUIM, etc.

DDA 19 20:41:50.0, 35°82'N, 28°19'E, h6km, 4km, ML3.0

ISC 19 20:41:51.0, 35°88'N, 28°20'E, h2km, 3km, ML2.1/1, Error ellipse: s-maj=4.5km s-min=1.9km az=346.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ARG, KARP, FETY, etc.

ISC 19 20:44:45.3; 6.9, 50°15'N; 114°30'W, h0km, mb1 3.8/1, mb1mx3.0/36, mbtmp3.4/1, ML3.2/1, Error ellipse:

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like I56US, H10CA, YKA, etc.

ISC 19 20:45:25.5; 6.7, 92S; 129°46'E, h87km, 60km, mb2.7/1, mb1 3.2/5, mb1mx3.0/36, mbtmp3.3/5, ML3.4/3, Error ellipse: s-maj=46.7km s-min=20.7km az=34.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BATI, FITZ, WRA, etc.

ISC 19 20:48:56.1±1.4, 1.96N; 127.16E, h0km, mb3.7/4, mb1 3.8/5, mb1mx3.5/39, mbtmp3.7/5, ML3.7/1, Error ellipse: s-maj=96.1km s-min=19.5km az=72.0

ISC 19 20:49:02.6; 0.9, 1.97N; 0.08; 126.9E; 0.1, h63km, mb3.6/4, Error ellipse: s-maj=21.5km s-min=6.5km az=152.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TINTI, SANGI, KMSI, etc.

ISC 19 20:49:03.8±1.0, 1.98N; 0.08; 127.0E; 0.1, h63km, n9, r1501/1, mb3.6/4, Northern Molucca Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NEM2, YUK, GRPR, etc.

ISC 19 20:55:36.7±1.4, 43°47'N; 0.07; 146°88'E; 0.09, h26km, 9km, Error ellipse: s-maj=14.7km s-min=7.3km az=137.6

JMA 19 20:55:38.5; 0.3, 43°39'N; 146°83'E, h43km, 3km, M3.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like NEM2, YUK, GRPR, etc.

NEIC 19 20:59:04.8; 0.0, 15°87'N; 95°20'W, h33km, MD4.2(MEX), After MEX.

MEX 19 20:59:04.9; 0.7, 15°87'N; 95°20'W, h33km, 13km, MD4.2, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HUIG, CMIG, VHO, etc.

DMN 19 21:04:53.9; 0.0, 24°16'N; 90°35'E, h60km, Error ellipse: s-maj=0.0km s-min=0.0km az=0.0

BUI 19 21:05:11.3; 25°46'N; 89°21'E, h10km, mb4.6/5, mb4.1/18, ML4.3/2, MS3.8/4, M5.7/3/3

NEIC 19 21:05:12.3; 0.7, 25°35'N; 89°03'E, h12km, 22km, mb4.1/15, Error ellipse: s-maj=11.1km s-min=5.8km az=52.0

ISC 19 21:05:12.3; 0.7, 25°29'N; 88°91'E, h13km, 3km, mb3.8/16, mb1 4.0/18, mb1mx3.8/50, mbtmp3.9/18, ML4.0/2, MS3.2/2, MS1 3.3/2, ms1mx2.7/43, Error ellipse: s-maj=27.3km s-min=10.5km az=52.0

NDI 19 21:05:12.0; 2.2, 25°37'N; 89°05'E, h12km, ML4.2, mb4.1(NEIC)

ISC 19 21:05:11.7; 0.4, 25°37'N; 0.04; 89°12'E; 0.03, h10km, n86, r1501/102, mb4.0/23, 1D, India-Bangladesh border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like GTK, ODAN, RAMM, etc.

ISC 19 21:05:12.0; 2.2, 25°37'N; 89°05'E, h12km, ML4.2, mb4.1(NEIC)

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TAWA, BOK, JIRN, etc.

ISC 19 21:05:12.0; 2.2, 25°37'N; 89°05'E, h12km, ML4.2, mb4.1(NEIC)

ISC 19 21:05:12.0; 2.2, 25°37'N; 89°05'E, h12km, ML4.2, mb4.1(NEIC)

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like LSA, ZIRO, GORHA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, MAKZ Makanchi, KK31 Karatay Array, etc.

KRNET 19 21:13:58.9.0.1, 42°58'N-79°67'E, h17km, mb2.4
SOME 19 21:13:59.1, 42°58'N-79°68'E, h20km
NCC 19 21:13:58.3.1.4, 42.57N-79.69E, h0km, mb2.8, mpv2.6, 16C-8D, Error ellipse: s-maj=8.8km s-min=5.3km az=137.0, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like UZB Uzynbulak, UZB Uzynbulak, PDGK Podgornoye, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MDOK Medeo, MDOK Medeo, MDOK Medeo, etc.

IDC 19 21:17:02.7.2.3, 13°94'N-92°27'W, h0km, mb3.4/1, mb1 3.6/4, mb1mx3.4/4, mbtmp3.3/4, ML3.5/3, Error ellipse: s-maj=33.3km s-min=16.8km az=0.0, Off coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like APG El Apazote, CMIG Matias Romero, CMIG Matias Romero, etc.

ISC/JB 19 21:18:01.2.1.0, 8°22'S-107°121'E, h10km, mb3.4/2, Error ellipse: s-maj=17.1km s-min=12.1km az=151.7

IDC 19 21:18:01.2.1.0, 8°22'S-121°57'E, h0km, mb3.4/2, mb1 3.4/5, mb1mx3.3/4, mbtmp3.3/5, ML2.7/3, Error ellipse: s-maj=152.4km s-min=21.5km az=55.0

DJA 19 21:18:03.7.0.6, 8°S-7°12'E, h10km, M3.0/5, Mlv3.0/5
ISC 19 21:18:02.8.1.1, 8.3S-0.1-121.75E-0.08, h10km, n9, e138/9, Flores region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EDFI Ende Flores, MMR1 Maumera, BASI Baing, Sumba, etc.

ISC/JB 19 21:20:14.3.0.7, 10°77'S-0°06'166°17E, h10km, mb4.1/14, MS3.3/3, Error ellipse: s-maj=12.1km s-min=6.6km az=147.0

NEIC 19 21:20:15.6.0.7, 10°61'S-166°19E, h10km, mb4.4/7, Error ellipse: s-maj=15.3km s-min=8.6km az=65.0

IDC 19 21:20:21.8.3.9, 10°81'S-166°11E, h54km, mb3.6/9, mb1 3.8/9, mb1mx3.6/46, mbtmp3.9/9, ML5.7/3, MS3.4/4, Ms1 3.4/4, ms1mx3.1/26, Error ellipse: s-maj=29.0km s-min=18.0km az=56.0

ISC 19 21:20:15.4.0.9, 10.64S-0°08'166°3E-0.1, h10km, n32, e132/27, mb4.0/14, MS3.3/3, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR Honiara, HNR Honiara, MARNC Mare, Loyalty, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MANU Manus Island, CTA Charters Tower, CTAO Charters Tower, etc.

STR 19 21:27:07.0.0.7, 49°N-2°E, h3km, gkm, M1.9/7, Mlv1.9/7, LDG 19 21:27:06.7.0.1, 48°55'N-6°18'E, h4km, Md2.1/3, MI2.1/9, Error ellipse: s-maj=1.0km s-min=0.9km az=42.0, France

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PAGF Fort de Pagny, PAGF Fort de Pagny, THEF They Montfort, etc.

ISC/JB 19 21:18:01.2.1.0, 8°22'S-107°121'E, h10km, mb3.4/2, Error ellipse: s-maj=17.1km s-min=12.1km az=151.7

IDC 19 21:18:01.2.1.0, 8°22'S-121°57'E, h0km, mb3.4/2, mb1 3.4/5, mb1mx3.3/4, mbtmp3.3/5, ML2.7/3, Error ellipse: s-maj=152.4km s-min=21.5km az=55.0

DJA 19 21:18:03.7.0.6, 8°S-7°12'E, h10km, M3.0/5, Mlv3.0/5
ISC 19 21:18:02.8.1.1, 8.3S-0.1-121.75E-0.08, h10km, n9, e138/9, Flores region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EDFI Ende Flores, MMR1 Maumera, BASI Baing, Sumba, etc.

ISC/JB 19 21:20:14.3.0.7, 10°77'S-0°06'166°17E, h10km, mb4.1/14, MS3.3/3, Error ellipse: s-maj=12.1km s-min=6.6km az=147.0

NEIC 19 21:20:15.6.0.7, 10°61'S-166°19E, h10km, mb4.4/7, Error ellipse: s-maj=15.3km s-min=8.6km az=65.0

IDC 19 21:20:21.8.3.9, 10°81'S-166°11E, h54km, mb3.6/9, mb1 3.8/9, mb1mx3.6/46, mbtmp3.9/9, ML5.7/3, MS3.4/4, Ms1 3.4/4, ms1mx3.1/26, Error ellipse: s-maj=29.0km s-min=18.0km az=56.0

ISC 19 21:20:15.4.0.9, 10.64S-0°08'166°3E-0.1, h10km, n32, e132/27, mb4.0/14, MS3.3/3, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like SFK Sufi-Kurgan, SFK Sufi-Kurgan, SFK Sufi-Kurgan, etc.

Table with columns: Call Sign, Name, Azimuth, Elevation, Frequency, Mode, Distance, and other parameters. Includes stations like ARLS Aral, NRN Naryn, AML Almayashu, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Distance, and other parameters. Includes stations like KURS Kuram, PDGK Podgornoye, MAN 1922:03:30.9, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, Distance, and other parameters. Includes stations like HNR Honiara, HNR Honiara, HNR Honiara, etc.



1499

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NWAQ, EDFI, RKGY, KMSI, BLDU, etc.

2013 FEB

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like PFO, XGFM, UGM, SWSC, AFDM, etc.

19d 22h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like J04D, MOD, I04A, Y14A, KDAK, etc.













Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DRME, POLO, PBRG, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MESJ, MORF, MORP, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VMUR, CLDR, DYDN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DANN, KOLN, DMN, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SKMP, BUKP, SJJI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like SATY, SATY, SATY, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PRZ, PRZ, PRZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR, DZM, H1S2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like H1N13, H1N12, WRA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MSVF, PINNC, DZM, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PPT2, PPT, FOZ, etc.







20d Oh

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., SNR, SNR=7.1, etc.).

2013 FEB

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., SNR, SNR=7.1, etc.).

1508

Table with columns for station ID, name, frequency, and various signal quality metrics (e.g., SNR, SNR=7.1, etc.).

1509

Table with columns: Station, Location, Azimuth, Elevation, Frequency, Power, Status, and Time. Includes stations like Darwin (Calif), Manual Prospec, Dawson, Mina Array Sit, Pinyon Flats O, Goldstone, Bar, etc.

2013 FEB

Table with columns: Station, Location, Azimuth, Elevation, Frequency, Power, Status, and Time. Includes stations like Eagle Plains, Wollman Farm, GUN, Hualapai, Colville Reser, etc.

20d 0h

Table with columns: Station, Location, Azimuth, Elevation, Frequency, Power, Status, and Time. Includes stations like WMQ, Urumqi, Douglas, etc.



Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like W52A Murphy, TKL Tuckaleechee C, V52A Sevierville, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like V50A Vasula, DAMY Dhamar, SOC Sochi, ANN Anapa, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like BRG Bergliesshubel, BRG Buzias, BRG Kruc, etc.



20d Oh

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for KEST, CMAB, ABSA, PBAG, etc.

IDC 20 00:19:08.5.5.1, 8.16S:128.00E, h239km, 53km, mb3.2/4, mb1 3.4/7, mb1mx3.1/40, mbtmp3.9/7, Error ellipse: s-maj=58.6km s-min=24.7km az=55.0, Timor

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for BATI, FITZ, WRA, ASAR, etc.

IDC 20 00:34:27.9.8.0.26:10N:127.99E, h0km, mb3.5/5, mb1 3.7/5, mb1mx3.4/41, mbtmp3.5/5, MS4.5/1, Ms1 4.5/1, ms1mx3.2/34, Error ellipse: s-maj=201.8km s-min=36.3km az=5.0

ISCJB 20 00:34:48.7.0.5, 27.65N:0.09:127.9E:0.1, h106km, 93km, mb3.3/5, Error ellipse: s-maj=20.4km s-min=5.7km az=42.4

JMA 20 00:34:50.0.0.1, 27.67N:127.87E, h93km, 3km, M3.2, IDC 20 00:34:49.3.0.9, 27.68N:0.10:127.85E:0.10, h97km, 12km, n18, c0577/28, mb3.3/5, Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for JIH, JOKE, JYRO, etc.

2013 FEB

Table with columns: YKA, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for IDC 20 00:43:01.7.4.4, 4.70S:148.10E, etc.

IDC 20 00:45:10.5.0.9, 32.58N:39.84W, h0km, mb3.7/7, mb1 3.9/7, mb1mx3.6/33, mbtmp3.7/7, Error ellipse: s-maj=25.3km s-min=22.0km az=154.0, Northern

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for PTGA, TOR, H10N2, etc.

ISCJB 20 00:53:54.7.0.6, 32.6N:0.1:40.0W:0.1, h13km, mb4.0/16, MS4.1/4, Error ellipse: s-maj=16.6km s-min=12.3km az=179.1

IDC 20 00:53:54.3.0.9, 32.61N:40.06W, h0km, mb3.8/11, mb1 3.9/11, mb1mx3.7/44, mbtmp3.8/11, MS4.1/4, Error ellipse: s-maj=22.6km s-min=15.0km az=155.0

NEIC 20 00:53:56.0.5.3, 32.73N:39.98W, h10km, mb4.5/7, Error ellipse: s-maj=14.8km s-min=9.3km az=178.0

GCMT 20 00:53:58.6.0.4, 32.67N:0.04:39.86W:0.03, h28km, 1km, MW5.1/73, Moment Tensor Solution. s27.c32: s73.c49; Duration: 0 Moment tensor: Scale 10^16Nm; Mr=5.61;32; Mm=0.81;30; Ml=0.40;30; M=0.43;45; Mw=1.99;18; Mw=2.52;34; Best double couple: Mo=1.760x10^16 Np1.1, 0.00000, -0.87, 0.00000, -1, -10.00000; Np2: 0.42, 14.00000, -0.36, 0.00000, -1, -70.00000; Principal axes: T 6.0370, P1g 1.0000, Az 1.0000, Az 10.0000; Nv 0.2630; P1g 11.0000; Az 18.0000; P 6.2970, P1g 74.0000; Az 24.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 20 00:53:58.6.0.4, 32.67N:0.04:39.86W:0.03, h13km, n40, c0591/33, mb4.1/16, MS4.1/4, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for MDT, SDV, PTGA, etc.

1512 Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for PTGA, TOR, PDAR, etc.

ISCJB 20 00:58:21.4.0.2, 32.56N:0.05:40.06W:0.04, h13km, mb4.5/7, Error ellipse: s-maj=7.6km s-min=4.8km az=172.5

IDC 20 00:58:21.0.0.5, 32.59N:40.08W, h0km, mb4.2/25, mb1 4.3/25, mb1mx4.2/48, mbtmp4.2/25, Error ellipse: s-maj=14.6km s-min=12.6km az=165.0

NEIC 20 00:58:22.6.0.1, 32.54N:40.03W, h10km, mb4.6/53, Error ellipse: s-maj=5.1km s-min=3.1km az=171.0

ISC 20 00:58:23.1.0.4, 32.59N:0.08:40.02W:0.07, h13km, n124, c0574/121, mb4.5/80, Northern Mid-Atlantic Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes entries for DRLN, ANWB, ESDC, etc.

1513 **2013 FEB** **20d 1h**

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
LPZA	La Paz	55.55	213	eP	P	01 07 58.9	-0.1			
LPZA	La Paz	55.55	213	P	P	01 07 58.8	-0.2			
WALA	Waterloo Lakes	56.09	310	eP	P	01 08 02.0	0.0			
SRU	San Rafael Swe	56.22	298	eP	P	01 08 02.5	-0.8			
KLMR	Klimovskoe	57.15	35	eP	P	01 08 05.8	-3.4			
DUG	Dugway, Toeole	57.59	300	eP	P	01 08 13.3	+0.4			
NEW	Newport	58.35	310	eP	P	01 08 18.3	+0.4			
NEW	Newport	58.35	310	P	P	01 08 17.1	-0.9			
BR101	Keskin Array S	58.67	60	eP	P	01 08 18.9	+0.5			
BR131	Keskin Array S	58.37	60	eP	P	01 08 18.5	+0.1			
BRTR	Keskin Array B	58.37	60	eP	P	01 08 18.9	+0.5			
MNMC	Minye Minye	58.70	213	eP	P	01 08 20.0	-0.9			
CCUT	Cedar City	58.82	297	eP	P	01 08 22.7	+1.0			
PSUT	Pine Station	58.87	298	eP	P	01 08 22.8	+0.8			
PB11	IPCC Spring	59.27	213	eP	P	01 08 23.9	-0.8			
J08A	Circle Bar Ran	60.66	305	eP	P	01 08 34.7	+0.6			
INK	Inuvik	61.41	335	eP	P	01 08 38.5	-0.1			
INK	Inuvik	61.41	335	P	P	01 08 38.6	+0.1			
LVC	Limon Verde	61.44	211	eP	P	01 08 39.5	-0.2			
KVN	Kaisererville	61.83	300	eP	P	01 08 42.1	0.0			
NV01	Mina Array B	62.19	300	eP	P	01 08 44.3	-0.4			
NV01	Mina Array B	62.19	300	P	P	01 08 44.0	-0.7			
GNI	Garni	66.21	57	eP	P	01 09 11.0	+0.1			
ARU	Arti	67.93	36	eP	P	01 09 21.4	0.0			
NRK	Norlik	71.43	17	P	P	01 09 43.4	+0.7			
ABKAR	Abkubul array	71.99	43	eP	P	01 09 47.4	+1.1			
H09W	TRISTAN DA CUN	73.99	157	T	T	02 30 34.8				
RAYN	Rayn	74.15	72	P	P	01 09 59.1	-0.6			
BRVK	Borovyoe	75.49	36	eP	P	01 10 06.4	-0.4			
GEYT	Alibek	76.49	34	eP	P	01 10 14.1	+1.2			
KURK	Kurchatov	81.00	34	eP	P	01 10 38.9	-0.9			
ZAA1	Zalesovo Array	81.53	29	eP	P	01 10 40.1	0.0			
ZAA0	Zalesovo Array	81.53	29	P	P	01 10 40.6	+0.5			
ZALV	Zalesovo Beam	81.53	29	P	P	01 10 41.0	-0.8			
ZALV	Zalesovo Beam	81.53	29	P	P	01 10 40.1	-0.1			
CHGR	Chuyangeron	83.42	48	eP	P	01 10 50.5	+0.6			
GAR	Garm	83.84	47	eP	P	01 10 53.3	+0.7			
AAK	Ala-Archa	84.07	42	eP	P	01 10 54.9	+1.1			
MAK2	Makanchi	85.26	36	eP	P	01 10 59.5	-0.1			
MAK3	Makanchi	85.44	36	eP	P	01 11 00.8	+0.3			
MK32	Makanchi	85.44	36	eP	P	01 11 01.0	+0.5			
MKAR	Makanchi	85.44	36	eP	P	01 11 01.0	+0.5			
MK01	Makanchi	85.44	36	eP	P	01 11 00.5	-0.1			
NRN	Naryn	85.70	43	eP	P	01 11 02.8	+0.6			

ISC 20 01:02:54.0±0.1, 0.32°66N-40°04'W, h0km, mb3.7/9, mb1 3.8/9, mb1mx3.6/2.1, mbtmp3.9/13, MS4.2/1, Ms1 4.2/1, ms1mx3.4/4.4, Error ellipse: s-maj=28.2km s-min=22.2km az=162.0, Northern Mid-Atlantic Ridge

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
BORG	Borgarnes	34.12	14	LR	LR	01 19 05.1				
PTGA	Pitinga	38.17	213	P	P	01 10 15.6	+0.3			
TORD	Torodi Ar. Bea	42.73	107	P	P	01 10 52.6	-0.5			
GERES	GERES Array B	42.88	52	P	P	01 10 55.1	+0.1			
H10N2	ASCENSION HYDR47.05 144			T	T	02 01 30.1				
H10N3	ASCENSION HYDR47.05 144			T	T	02 01 30.4				
H10N1	ASCENSION HYDR47.07 144			T	T	02 01 31.5				
H10S1	ASCENSION HYDR47.93 145			T	T	02 02 35.8				
H10S3	ASCENSION HYDR47.93 145			T	T	02 02 36.4				
H10S2	ASCENSION HYDR47.95 145			T	T	02 02 36.1				
FINES	FINESS Array B	50.58	35	P	P	01 11 53.2	-0.8			
AKASG	Malin Array Be	52.82	48	P	P	01 12 10.0	-0.9			
PDAR	Pinedale Array	54.50	302	P	P	01 12 22.4	-1.4			
YKA	Yellowknife Ar	54.56	327	P	P	01 12 24.4	+1.1			
H09W1	TRISTAN DA CUN	74.08	157	T	T	02 35 13.5				
KURB	Kurchatov Arra	80.97	35	P	P	01 15 10.6	+0.3			
MKAR	Makanchi Array	85.40	36	P	P	01 15 33.4	+0.1			

ISC 20 01:08:10.4±0.0, 32°65'N-39°39'W, h0km, mb3.9/13, mb1 4.0/13, mb1mx3.8/5.2, mbtmp3.9/13, MS4.3/1, Ms1 4.3/12, ms1mx3.9/4.5, Error ellipse: s-maj=25.4km s-min=18.0km az=148.0

ISCJB 20 01:08:11.1±0.5, 32°7'N-0°1'39'88'W, 0°10', h13km, mb4.2/16, MS4.3/12, Error ellipse: s-maj=15.2km s-min=11.8km az=167.0

NEIC 20 01:08:12.5±0.3, 32°64'N-39°83'W, h10km, mb4.4/5, Error ellipse: s-maj=9.9km s-min=7.3km az=170.0

GCMT 20 01:08:15.5±0.5, 32°63'N-0°05'39'86'W, 0°04', h22km, 1km, MW5.0/73, Moment Tensor Solution, s21.c23, 573.c88, Duration: 0.17s, Moment tensor: Scale 10<sup>16</sup>N, M1r-4.19; 36; M2s 1.62; 23; M3s 2.57; 21; M0; 9.9; 43; M3s 1.25; 14; M3r-0.85; 32; Best double couple: 103.96700x10<sup>16</sup> NP1=21.00000°, 848.00000°, -108.00000°. NP2: 227.00000°, 845.00000°, -71.00000°. Principal axes: T 3.4360, Plg1.0000°, Az=124.0000°; N 1.0620, Plg14.0000°, Az=34.0000°; P -4.4980, Plg76.0000°, Az=219.0000°; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 20 01:08:12.6±0.7, 32°7'N-0°1'39'9'W, 0°10', h13km, n49, 0898/34, mb4.1/16, MS4.3/13, Northern Mid-Atlantic Ridge

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
SCHO	Schefferville	29.15	327	LR	LR	01 24 46.2				

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC	h	m	s	ISC
PTGA	Pitinga	38.24	214	P	P	01 15 32.1	-0.3			
DAVOS	Davos/Dischmat	40.15	55	P	P	01 16 48.3	-0.1			
CLL	Collins	42.49	48	eP	MLR	01 16 08.0	+0.7			
TOA1	Torodi Ar. Bea	42.64	107	eP	P	01 16 08.6	-0.4			
TOA0	Torodi Ar. Bea	42.64	107	eP	P	01 16 08.8	-0.2			
TORD	Torodi Ar. Bea	42.64	107	P	P	01 16 08.6	-0.4			
GE2C	GERESS Array S	42.80	52	eP	P	01 16 10.5	+0.5			
GERES	GERESS Array B	42.80	52	P	P	01 16 10.5	+0.5			
ULM	Lac du Bonnet	44.34	310	LR	LR	01 33 17.5				
H10N2	ASCENSION HYDR47.01 144			T	T	02 06 46.5				
H10N3	ASCENSION HYDR47.01 144			T	T	02 06 46.9				
H10N1	ASCENSION HYDR47.03 144			T	T	02 06 50.7				
H10S1	ASCENSION HYDR47.93 145			T	T	02 07 54.9				
H10S3	ASCENSION HYDR47.90 145			T	T	02 07 54.3				
H10S2	ASCENSION HYDR47.91 145			T	T	02 07 56.1				
FLAO	FINESS Array S	50.51	35	eP	P	01 17 10.2	+0.2			
FINES	FINESS Array B	50.51	35	P	P	01 17 10.2	+0.2			
AKASG	Malin Array Be	52.73	48	P	P	01 17 26.2	-0.6			
AKBB	Malin Array Si	52.73	48	eP	P	01 17 26.2	-0.6			
ANMO	Albuquerque	54.38	292	LR	LR	01 39 46.5				
PD31	Pinedale Array	54.57	302	eP	P	01 17 41.5	+0.7			
PDAR	Pinedale Array	54.57	302	P	P	01 17 42.8	+0.2			
PDAR	Pinedale Array	54.57	302	P	P	01 17 41.5	+0.7			
PDAR	Pinedale Array	54.57	302	LR	LR	01 39 24.2				
YKA	Yellowknife Ar	54.59	327	P	P	01 17 40.5	+0.2			
YKA	Yellowknife Ar	54.59	327	P	P	01 17 40.5	+0.2			
YKA	Yellowknife Ar	54.59	327	P	P	01 17 40.5	+0.2			
YKBS	Yellowknife Ar	54.59	327	eP	P	01 17 40.5	+0.2			
YKBS	Yellowknife Ar	54.59	327	eP	P	01 18 41.6	-1.7			
LENN	Lemitar	55.05	291	eP	P	01 17 46.7	+2.5			
LENM	La Paz	55.62	213	eP	P	01 17 50.1	+0.8			
LPZA	La Paz	55.66	213	P	P	01 17 49.1	-0.2			
BR101	Keskin Array S	58.26	60	eP	P	01 18 07.9	+0.8			
BRTR	Keskin Array B	58.26	60	eP	P	01 18 07.9	+0.8			
NEW	Newport	58.35	310	LR	LR	01 41 45.4				
ELK	Elko	59.21	301	LR	LR	01 42 27.1				
C09A	Chrisman Ranch	59.22	310	eP	P	01 48 10.8	-2.6			
NVAR	Mina Array Bea	62.22	300	LR	LR	01 45 37.8				
PFO	Pinyon Flats O	62.61	294	LR	LR	01 43 24.1				
DLBC	Dease Lake	62.86	324	LR	LR	01 46 07.9				
BBB	Bella Bella	63.91	317	LR	LR	01 46 58.0				
ILAR	Eielson Array	67.66	334	LR	LR	01 48 20.9				
AKTO	Aktuybiynk	70.21	42	P	P	01 19 24.8	-0.3			
H09W1	TRISTAN DA CUN	74.04	157	T	T	02 40 35.3				
KURK	Kurchatov	80.88	34	eP	P	01 20 25.9	-0.3			
KURB	Kurchatov Arra	80.90	35	eP	P	01 20 25.9	-0.4			
MK31	Makanchi Array	85.33	36	eP	P	01 20 49.5	+0.1			
MK32	Makanchi Array	85.33	36	eP	P	01 20 49.6	+0.3			
MKAR	Makanchi Array	85.33	36	eP	P	01 20 49.6	+0.			

Table with columns: Station Name, Class, Magnitude, Distance, etc. Includes stations like JAN, JAN, JAN, JAN, JAN, etc.

Table with columns: Station Name, Class, Magnitude, Distance, etc. Includes stations like VTS, VTS, VTS, VTS, VTS, etc.

Table with columns: Station Name, Class, Magnitude, Distance, etc. Includes stations like S1RN, KOPR, HOMI, EAK, SENK, etc.



Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like WAKE ISLAND, Thorofore Moun, ULN, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like HAZ, MXZ, RUGZ, etc.

Main table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like MTVZ, VRZ, TSZ, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC. Includes stations like LVC, Limon Verde, LVC, etc.



Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res. Includes entries for JMA 20 02:34:12.9, 0.2, 25.35'N, 122.63'E, h241km, 4km, M3.7, Taiwan region.

ISCJB 20 02:35:35.3, 0.7, 34.38'N, 0.08, 26.59'E, 0.06, h33km, Error ellipse: s-maj=12.9km s-min=3.6km az=31.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res. Includes entries for ZKR Zakros, LAST Lasithi, NPS Neapolis, KARP Karpantos, VAM Varnos, etc.

ISCJB 20 02:44:13.8, 0.5, 32.58'S, 0.04, 179.8'W, 0.1, h350km, mb3.6/5, Error ellipse: s-maj=14.5km s-min=4.6km az=15.8

ISC 20 02:44:14.9, 4.7, 32.29'S, 179.85'E, h318km, 38km, mb3.5/5, mb1 3.77, mb1mx3.5/1.1, mbtbp4.4/7, Error ellipse: s-maj=48.5km s-min=20.4km az=44.0

WEL 20 02:44:18.2, 0.8, 33.5, 6'18"0W, 1.5, h274km, 13km, ISC 20 02:44:13.7, 0.9, 32.83'S, 0.07, 179.7'W, 0.1, h350km, n54, r195/69, mb3.6/5, South of Kermaed Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res. Includes entries for GLKZ Green Lake, RIZ Raoul Island, MXZ Matakaoa Point, GRZ Great Barrier, WMGZ Waionatani S, HAZ Te Kaha, KUZ Kuaotunu, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res. Includes entries for WRA Warramunga Arr, QSPA South Pole Qui, FINES FINESSE Array B, etc.

IDC 20 02:46:35.5, 9.7, 16.96'N, 145.77'E, h0'km, mb3.4/4, mb1 3.5/4, mb1mx3.4/4, mbtbp3.4/4, Error ellipse: s-maj=36.4km s-min=24.3km az=79.0, Marianas Islands

ISC 20 02:49:58.7, 0.3, 18.87'S, 0.05, 177.59'W, 0.06, h600km, mb4.4/53, Error ellipse: s-maj=7.5km s-min=6.0km az=13.7

IDC 20 02:49:58.2, 3.0, 18.79'S, 177.47'W, h581km, 36km, mb3.6/16, mb1 3.8/18, mb1mx3.6/35, mbtbp4.6/18, Error ellipse: s-maj=18.3km s-min=13.9km az=66.0

NEIC 20 02:50:00.8, 0.5, 18.82'S, 177.50'W, h622km, 8km, mb4.7/38, Error ellipse: s-maj=9.3km s-min=6.9km az=78.0

BJI 20 02:50:01.3, 18.84'S, 177.82'W, h601km, mb4.5/12, mb5.2/8

ISC 20 02:49:59.0, 4.1, 18.90'S, 0.07, 177.54'W, 0.06, h600km, n95, c156/105, mb4.7/53, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res. Includes entries for MSVF Nonavau, NIUE Niue, NIUE Funafuti, MARNC Mare, Loyalty, PINNC Pines Island, DZM Mont Dumzac, OUZ Omuhuta, MXZ Matakaoa Point, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res. Includes entries for NJ2 comp=Z, 1.2nm, 0.7s, pmax, pmax, NVAR Mina Array Bea, KLR Kuluur, HPIG 0.9nm, 0.6s, etc.

ISC 20 02:52:56.0, 0.8, 16.45'N, 98.01'W, h4km, 6km, MD3.7, Near coast of Guerrero

JMA 20 02:54:28.9, 0.1, 24.14'N, 122.27'E, h53km, 2km, M3.0, TAP 20 02:54:29.3, 24.18'N, 122.29'E, h43km, ML3.6, C

ISC 20 02:54:27.4, 1.1, 24.16'N, 122.31'E, 0.02, h15km, 9km, n81, c055/147, Taiwan region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time Res, Res. Includes entries for PNIG Pinotepa, PNIG Vista Hermosa, DCZ Deep Cove, WHZ Wether Hill Ro, EIDS Eidsvold, ARMA Armidale, etc.







20d 5h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TNS5, ULHL, KOTS, KOTY, IZV, BOOM, MNBS, KST, CHKK, DJR, ARXS, TKM2, DGS, etc.

IDC 20 04:31:58.8±5.2, 361°03N-136°16'E, h138km, 8.8km, mb3.2/2, mb1 3.6/2, mb1mx2.9/35, mbtmp3.6/2, Error ellipse: s-maj=136.8km s-min=27.1km az=57.0

ISCJB 20 04:31:59.1±0.8, 2.86°71N-109°138'1E±0.1, h207km, 6.6km, mb3.2/2, Error ellipse: s-maj=19.9km s-min=13.1km az=157.8

JMA 20 04:32:00.3±0.3, 36°76N-138°20'E, h203km, 2km, M3.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MAT, MJAR, JNG, JSZ, JRY, JAG, JYN, JSD, JOD2, JFT, IKAR, WRA, etc.

MOS 20 04:41:41.8±1.4, 53°30N-108°75'E, h10km, mb4.4/1, Error ellipse: s-maj=21.6km s-min=11.9km az=57.1

BYKL 20 04:41:42.0±0.2, 53°34N-108°67'E, h23km, 3km, 5C-9D, Lake Baykal region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like MXMB, KELR, OGRR, SYVR, NLYR, BOD, TRTB, TRG, etc.

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Main table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TRG, TYRGN, KABANSK, KHURAMSK, ULYUNKHAN, BOLSHOLOU, NIZH ANGARSK, LISTVYANKA, IRKUTSK, KUMORA, IVANOVKA, CHITA, TALAYA, UKAIT, ARSHAN, MONDY, NELIYATA, ORLIK, etc.

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Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ORL, ULN, CHARA, TUPIK, ZALESOVO INFRA, ZALV, MKAR, ISCJB, GCMT, PLV, MOS, NEIC, ISC, MVLAV, KMI, TGV, TLV, SLVN, TTVN, LAMP, CMHT, CMAR, CMY, GYA, UTTA, SUKH, SUKHAI, CHAI, CD2, etc.













Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like IRIS PASCALI, S414 Jazco Farms, LEMN Lemit, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like I46RU ZALESOVO INFRA, ZAAO Zalesovo Array, ZAAO 12nm,0.7s, etc.

IDC 2007:50:00.9 1.1, 8.02S, 125.37E, h0km, mb3.3/1, Mb 3.6/3, mb1mx2.4/3.1, mb1mp3.4/3, ML3.6/2, MS3.1/1, Ms1 3.1/1, ms1mx2.4/1.7, Error ellipse: s-maj=268.3km s-min=32.0km az=60.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like SOEI Soe, BATI Baumata, EDRI Ende, Flores, etc.

IDC 2007:58:05.7 1.1, 4.01S, 135.52E, h0km, mb3.9/5, mb1 4.1/1.0, mb1mx3.9/39, mbtmp4.0/10, ML3.6/5, MS3.1/2, Ms1 3.1/2, ms1mx2.5/3.1, Error ellipse: s-maj=30.8km s-min=22.8km az=55.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like SRPI Serui, Papua, SRPI SRPI, RKPI Ransiki, etc.

IDC 2007:58:07.1 0.5, 4.01S, 0.04x135.44E:0.06, h20km, mb3.9/5, MS3.1/1, Error ellipse: s-maj=9.0km s-min=5.7km az=177.4

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, SWI Sorong, JAY Jayapura, etc.

IDC 2007:58:08.0 1.1, 4.1S, 6.6E, h13km, mb4.6/1, mb5.3/1, MLV4.5/7, Mw(MB)4.7/1, Error ellipse: s-maj=14.4km s-min=10.4km az=70.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, FITZ Fitzroy Crossi, FITZ Fitzroy, etc.

WEL 2008:03:33.9 39.35°N, 177.177°E, h22km, 2km, ML3.8/14, Off east coast of North Island

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like WHZH Waihua, ARHZ Aroapaoanui, ARHZ ARHZ, etc.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like RAGZ Rawiri, RAGZ RAGZ, KWHZ Kaweka Forest, etc.

IDC 2008:03:41.1 0.8, 16.46N, 0.05x99.00W:0.03, h20km, 6km, mb4.2/37, MS3.5/6, Error ellipse: s-maj=8.5km s-min=3.8km az=21.0

IDC 2008:03:42.5 0.3, 7.1686N, 98.81W, h0km, mb4.1/6, mb1 4.2/10, mb1mx3.9/42, mbtmp3.9/10, ML3.3/4, MS3.3/7, Ms1 3.3/7, ms1mx3.0/39, Error ellipse: s-maj=81.4km s-min=21.4km az=24.0

MEX 2008:03:42.5 0.8, 16.42N, 99.06W, h1km, 9km, MD4.2, NEIC 2008:03:42.5 0.0, 16.42N, 99.06W, h1km, mb4.3/40, MD4.2(MEX), After MEX.

NEIC Feb at Azoyul, ISC 2008:03:40.5 1.2, 16.38N, 0.05x99.07W:0.03, h13km, 8km, n109, n189/135, mb4.3/37, MS3.6/6, Near coast of Guerrero

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like PNIG Pinotepa, PNIG PNIG, PNIG Pinotepa, etc.

IDC 2008:03:42.5 0.0, 16.42N, 99.06W, h1km, 9km, MD4.2, NEIC 2008:03:42.5 0.0, 16.42N, 99.06W, h1km, mb4.3/40, MD4.2(MEX), After MEX.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like ARIG Arica, ARIG Arica, VHO Vista Hermosa, etc.

IDC 2008:03:42.5 0.0, 16.42N, 99.06W, h1km, 9km, MD4.2, NEIC 2008:03:42.5 0.0, 16.42N, 99.06W, h1km, mb4.3/40, MD4.2(MEX), After MEX.

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC. Includes stations like UNM Universidad Na, UNM UNM, UNM Universidad Na, etc.

IDC 2008:03:42.5 0.0, 16.42N, 99.06W, h1km, 9km, MD4.2, NEIC 2008:03:42.5 0.0, 16.42N, 99.06W, h1km, mb4.3/40, MD4.2(MEX), After MEX.

KRAR 2007:38:17.4 0.1, 55.54N, 86.02E, M2.6, Industrial explosion (after The Earthquakes of Russia in 2012. Obninsk, GS RAS, 224p + CD-ROM, 2014) NNC 2007:38:20.2 3.1, 55.25N, 86.67E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=49.5km s-min=19.1km az=129.0, Suspected Mining explosion.

IDC 2007:38:20.2 3.1, 55.25N, 86.67E, h0km, mb1 3.2/3, mb1mx3.1/4.0, mbtmp3.2/3, ML3.0/3, 7C-4D, Error ellipse: s-maj=22.5km s-min=14.4km az=57.0, Southwestern Siberia

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Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Laguna Verde, Comitan, and various other locations.

JMA 20 08:11:53.0-1.2, 22.98N, 121.43E, h39km, 3km, M3.4
ISCJB 20 08:11:54.2-0.3, 23.00N, 01.121, 45E, 0.02, h39km, 5km,
Error ellipse: s-maj=2.9km s-min=2.1km az=37.3
TAP 20 08:11:55.0, 23.05N, 121.36E, h32km, ML3.2, C
ISC 20 08:11:54.5-1.6, 22.99N, 0.02, 121.43E, 0.02, h35km, 4km,
n88, c0587/166, Taiwan region

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Chengkung, Taitung, and others.

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Main table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like YULB, YULW, YLDTW, etc.

20d 8h

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like TDCB, RLNB, WCHH, etc.

KRNET 20 08:21:44.6-0.1, 40.57N, 77.52E, h18km, mb2.9
SOME 20 08:21:45.3, 40.62N, 77.57E, h10km
NCC 20 08:21:49.1, 2.40, 79N, 77.52E, h0km, mb3.6, mpv3.3,
Error ellipse: s-maj=8.3km s-min=6.6km az=164.0
ISC 20 08:21:46.3-1.7, 40.65N, 0.08, 77.38E, 0.03, h10km, n52,
c1540/80, 12C-20D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like Taragay, Kyrgy, etc.

20d 8h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KZA, TNSS, TNS, IZV, MDOK, ARXS, WRA, ASAR, FITZ, ILAR, YKA, TOR, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ARXS, WRA, ASAR, FITZ, ILAR, YKA, TOR, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KIRH, KIMD, KIWB, KIRW, KIMV, etc.

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ILAR	comp=Z,3.4nm,0.9s,baz=261,slow=3.2,SNR=5.1	PcP	PcP	08 55 55.7	-1.3
ILAR	comp=Z,3.4nm,0.9s,baz=261,slow=3.2,SNR=5.1	LR	LR	09 00 09.9	
ILB	comp=Z,886nm,18.4s,baz=250,slow=3.9,SNR=16	eS	S	08 51 41.0	-1.7
ILB	Eielson Array	20.11 34	eP	08 55 21.4	-6.1
ILB			ePcP	08 55 55.7	-1.3
ILB			P	08 51 39.9	-2.7
ILB			P	08 51 42.4	-0.3
IL1	Eielson Array	20.11 34	eP	08 51 39.9	-2.7
IL1	Poker Plat Res	20.11 33	P	08 51 42.4	-0.3
POKR	baz=255,SNR=16				
RIDG	Independ'e Rid	20.35 38	eP	08 51 45.9	+0.6
BALM	Baldy	20.37 46	eP	08 51 46.8	-1.0
BALM	Baldy	20.37 46	eP	08 51 46.8	-1.0
BALM			Pn		
BALM			Pn		
BILL	comp=Z,204nm,1.0s		P	08 51 45.5	-0.3
BILL	Bilibino	20.40 338	eP	08 51 45.5	-0.3
BILL	Bilibino	20.40 338	eP	08 51 44.9	-0.9
BILL			Pmax		
BILL			Pmax		
MENT	comp=Z,41nm,0.8s		P	08 51 47.1	+0.7
MENT	Mentasta	20.45 41	eP	08 51 47.1	+0.7
COLD	Coldfoot	20.59 26	eP	08 51 50.0	-0.2
COLD			Pn		
DOT	Dot Lake	20.62 38	eP	08 51 49.3	+1.1
SCRK	comp=Z,100nm,1.2s		P	08 51 49.7	-0.6
SCRK	Sand Creek	20.80 38	eP	08 51 49.7	-0.6
PRP	Porcupine Dome	21.00 33	eP	08 51 51.9	-0.6
PCA	Pinnacle	21.12 50	eP	08 51 56.3	+2.6
FYU	Fort Yukon	21.69 31	eP	08 52 00.6	+1.0
TOLK	Toolik Lake Re	21.76 24	eP	08 52 00.9	+0.4
TOLK	Toolik Lake Re	21.76 24	eP	08 52 00.0	+0.3
EGAK	Eagle	22.25 37	eP	08 52 05.4	-0.4
MA2	Magadan	22.27 308	eP	08 52 06.4	+0.4
MA2	Magadan	22.27 308	eP	08 52 05.8	-0.2
MA2			Pmax		
MA2			Pmax		
MA2	Magadan	22.27 308	P	08 52 05.4	-0.6
MA2			P	09 00 30.2	
SEY	Seymchan	22.31 317	eP	08 52 06.1	-0.3
SEY	Seymchan	22.31 317	P	08 52 06.2	-0.2
HYT	Haines Junctio	22.61 48	eP	08 52 11.4	+1.7
DAWY	Dawson	22.68 40	eP	08 52 10.3	-0.1
SKAG	Skagway	23.47 52	eP	08 52 18.3	-0.1
WHY	Whitehorse	23.85 49	eP	08 52 23.8	+1.6
WHY			eSn		
JIS	Juneau Island	23.88 55	eP	08 56 54.2	-5.6
JIS			Sn	08 52 23.6	+1.3
EPYK	Eagle Plains	24.59 35	eP	08 52 29.2	+0.3
EPYK	Eagle Plains	24.59 35	eP	08 56 51.5	+2.9
EPYK			S	08 52 29.4	+0.5
CRAI	Craig	24.63 62	eP	08 52 31.3	+2.0
WRAK	Wrangell Islan	25.00 60	eP	08 52 33.6	+1.1
DLBC	Dease Lake	26.18 55	eP	08 52 45.6	+2.2
DLBC	Dease Lake	26.18 55	P	08 52 45.2	+1.8
DLBC			LR	09 03 49.6	
KUR	Kuril'sk	26.25 274	eP	08 52 46.3	+2.2
INK	Inuvik	26.48 32	eP	08 52 46.5	+0.6
INK	Inuvik	26.48 32	eP	08 56 10.1	-0.1
INK			PcP	08 52 46.5	+0.6
INK			e	08 56 10.1	
INK			Pmax		
INK			Pmax		
INK	Inuvik	26.48 32	P	08 52 46.3	+0.4
INK			PcP	08 56 10.1	-0.1
INK			PcP	09 04 00.4	
TYV	Tymovskoye	27.55 288	eP	08 52 56.7	+1.0
TYV			eS	08 57 40.7	+4.9
TYV			Pmax		
TYV			Pmax		
TYV			Smax		
TYV			Smax		
TYV			MLR		
TYV			MLR		
YUK	Yuzh-Kuril'sk	28.07 273	eP	08 52 57.8	-2.6
YUK			e	08 53 48.9	
YUK			ePPP	08 53 56.9	
YUK			S	08 57 38.4	-5.6
YUK			SsSn	08 59 01.5	+2.2
YUK			SsS	08 59 17.0	
YUK			Pmax		
YUK			Pmax		
BBB	Bella Bella	28.11 68	LR	09 01 53.4	
NKL	Nikolayevsk	28.16 294	eP	08 53 01.0	-0.1
NKL			eS	08 57 47.0	+1.7
NKL			Pmax		
NKL			Pmax		
NKL			Smax		
NKL			Smax		
NKL			MLR		
NKL			MLR		
NKL			MLR		
YSS	Yuzh-Sakhalins	28.81 280	eP	08 53 07.4	+0.6
YSS	Yuzh-Sakhalins	28.81 280	eP	08 53 07.5	+0.6
YSS			e'SP	08 53 17.5	-0.1
YSS			e	08 53 57.0	
YSS			ePPP	08 54 13.0	
YSS			eS	08 57 53.8	-1.7
YSS			Pmax		
YSS			Pmax		
YSS			Smax		
YSS			Smax		
YSS			MLR		
YSS			MLR		
YSS			MLR		
ASAJ	Asahikawa	30.12 275	P	08 53 18.9	+0.3
ERM	Ermo	30.78 271	eP	08 53 25.5	+1.0
ERM			Pmax		
GRNR	Gorny	31.35 291	eP	08 53 29.1	-0.3
GRNR			Pmax		
PGC	Sidney	32.06 73	eP	08 53 37.6	+2.0
NLWA	Neilton Lookou	32.29 76	eP	08 53 40.5	+2.7
LLLB	Lillooet	32.31 69	eP	08 53 39.3	+1.5
A0AD	Lummi Island	32.49 73	P	08 53 39.1	-0.3
YAK	Yakutsk	32.64 313	eP	08 53 38.2	-2.4
YAK			e	08 54 48.0	
YAK			ePPP	08 55 06.5	
YAK			e	08 56 24.7	
YAK			S	08 58 51.0	-4.2

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YAK	comp=Z,235nm,1.0s	e	Pmax	Pmax	09 04 05.4
YAK	comp=N,22nm,0.9s		Pmax	Pmax	
YAK	comp=E,144nm,1.1s		Pmax	Pmax	
YAK	comp=Z,33nm,0.6s		Smax	Smax	
YAK	comp=N,3um,3.3s		Smax	Smax	
YAK	comp=E,2um,2.3s		MLR	MLR	
YAK	comp=Z,7um,26.0s		MLR	MLR	
D03D	Eldon	32.72 75	P	P	08 53 43.1
B05A	Bryant	33.04 73	P	P	08 53 45.1
D04E	Lakebay	33.06 75	P	P	08 53 45.5
B06A	Marblemount	33.31 73	eP	P	08 53 48.2
F04D	Rainier, OR	33.38 77	P	P	08 53 48.7
E04D	Cinara	33.45 76	P	P	08 53 49.6
LPH	Laupahoehoe	33.47 148	eP	P	08 53 49.6
LPH			eS	P	08 59 11.7
TEY	Ternei	33.50 281	eP	Pmax	08 53 48.4
TEY			Pmax	Pmax	
TEY			Pmax	Pmax	
YKWS	Yellowknife Ar	33.53 46	eP	P	08 53 49.1
YKWS			ePcP	PcP	08 56 28.6
YKA	Yellowknife Ar	33.54 46	P	P	08 53 49.0
YKA			PcP	PcP	08 56 28.3
YKA			LR	LR	09 08 37.8
YKBS	Yellowknife Ar	33.54 46	eP	P	08 53 48.3
YKBS			ePcP	PcP	08 56 28.3
D05A	Enumclaw	33.54 75	eP	P	08 53 51.4
LON	Longmire	33.84 76	eP	P	08 53 53.2
LON	Longmire	33.84 76	eP	Pmax	08 53 53.2
LON			Pmax	Pmax	
R06D	Leavenworth	33.91 73	P	P	08 53 52.3
CIMD	Rim	34.08 148	eP	P	08 53 55.2
J01E	Myrtle Point	34.16 83	P	P	08 53 55.1
H11N2	WAKE ISLAND Hy	34.26 214	T	T	09 30 11.4
H04D	Lebanon	34.26 80	P	P	08 53 55.0
H11N3	WAKE ISLAND Hy	34.27 214	T	T	09 30 12.3
I03D	Drain, OR	34.27 81	P	P	08 53 56.4
H11N1	WAKE ISLAND Hy	34.28 214	T	T	09 30 19.2
LTY	Liberty	34.33 74	eP	P	08 53 56.1
F05D	White Salmon	34.44 77	P	P	08 53 57.9
H04A	Detroit Lake	34.59 79	eP	P	08 53 59.4
K02D	Williamette Mer	34.57 83	P	P	08 53 58.7
B08A	Colville Reser	34.69 72	eP	P	08 53 59.8
KLR	Kul'dur	34.72 290	eP	P	08 53 58.3
I04A	Tendick Farm,	34.82 81	P	P	08 54 00.6
G05D	Wamic, OR	34.82 78	P	P	08 54 00.8
L02E	Cave Junction	34.88 84	P	P	08 54 01.0
HUMO	Hull Mountain	35.06 83	eP	P	08 54 04.2
HUMO			ePcP	PcP	08 56 34.7
E07A	Sunnyside	35.14 75	eP	P	08 54 04.1
I05D	Terrebonne, OR	35.23 79	P	P	08 54 04.1
J04D	Umpqua Nationa	35.28 81	P	P	08 54 03.9
F07A	Phiny Hill Vi	35.39 76	eP	P	08 54 05.8
HAWA	Hanford	35.41 75	eP	P	08 54 05.8
H11S1	WAKE ISLAND Hy	35.45 214	T	T	09 31 39.9
H11S2	WAKE ISLAND Hy	35.47 214	T	T	09 31 48.3
H11S3	WAKE ISLAND Hy	35.47 214	T	T	09 31 46.6
D08A	Wollman Farm,	35.49 74	eP	P	08 54 06.8
C09A	Chrisman Ranch	35.57 72	eP	P	08 54 07.5
C09A			ePcP	PcP	08 56 35.8
E08A	Dider Farm, EI	35.66 75	eP	P	08 54 08.7
YBH	Yreka Blue Hor	35.67 84	eP	P	08 54 09.9
YBH	Yreka Blue Hor	35.67 84	eP	Pmax	08 54 09.9
L04D	Klamath Falls	35.67 83	P	P	08 54 07.1
ZEA	Zeya	35.72 299	eP	P	08 54 06.4
ZEA			eS	P	08 59 42.0
ZEA			Pmax	Pmax	
ZEA			Pmax	Pmax	
ZEA			Smax	Smax	
ZEA			Smax	Smax	
ZEA			MLR	MLR	
ZEA			MLR	MLR	
ZEA			MLR	MLR	
PINE	Pine Mountain	35.75 80	eP	P	08 54 10.4
PINE			ePcP	PcP	08 56 37.0
M02C	Callahan	35.76 84	P	P	08 54 09.0
J05D	Fort Rock, OR	35.81 81	P	P	08 54 09.4
K04D	Chiloquin, OR	35.82 82	P	P	08 54 09.6
N02D	Trinity Center	36.07 85	P	P	08 54 10.9
NEW	Newport	36.07 71	eP	P	08 54 11.1
NEW	Newport	36.07 71	eP	Pmax	08 54 11.1
NEW			Pmax	Pmax	
NEW			P	P	08 54 10.3
M04C	MacDougal	36.20 83	P	P	08 54 12.6
E09A	Wood Farm, Sta	36.21 74	eP		



20d 8h

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like QLMT Earthquake Lak, YHB Horse Butte, YVES Vestal, PKM Mcherson Peak, etc.

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Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like NLU North Lily Min, BW06 Boulder Array, PD31 Pinedale Array, etc.

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Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like PV05 Paradox Valley, PV11 David Mesa, PV12 Sausalito, etc.

ECSD	EROS Data Cent	50.64	66	P	P	08 56 06.1	-1.9
TIA	Tai'an	50.67	282	P	Pmax	08 56 08.6	+0.3
121A	comp-Z,15nm,1.1s	50.68	84	P	P	08 56 09.1	+0.4
COOK	Cookes Peak, D	50.68	84	P	P	08 56 09.1	+0.4
MOY	Mondy	50.84	307	eP	Pmax	08 56 10.0	+0.5
KBS	Kingsbay	50.99	359	eP	P	08 56 11.3	+1.2
EYMN	Ely	51.09	59	eP	P	08 56 11.1	-0.2
EYMN	Ely	51.09	59	P	P	08 56 10.5	-0.8
BGNE	Belgrade	51.12	69	P	P	08 56 10.5	-1.2
HHC	Hu-ho-hao-te	51.23	290	eP	P	08 56 14.0	+1.4
HHC	Hu-ho-hao-te	51.23	290	eP	P	08 56 20.1	+1.4
HHC	Hu-ho-hao-te	51.23	290	eP	P	08 56 24.1	+0.7
HHC	Hu-ho-hao-te	51.23	290	eP	P	08 57 28.8	+1.2
HHC	Hu-ho-hao-te	51.23	290	eP	P	09 03 28.8	-1.2
HHC	comp-Z,43nm,0.9s				Pmax		
HHC	comp-Z,240nm,4.3s				Pmax		
HHC	comp-Z,480nm,14.7s				LR	LR	
HHC	comp-Z,300nm,13.0s				LR	LR	
HHC	comp-Z,380nm,14.7s				LR	LR	
SPA0	Spitsbergen Ar	51.64	357	eP	P	08 56 16.9	+1.8
SPA0	Spitsbergen Ar	51.64	357	eP	P	08 56 15.7	+0.7
SPITS	Spitsbergen Ar	51.64	357	P	P	08 56 15.2	+0.1
SPITS	Spitsbergen Ar	51.64	357	P	Pmax		
CBKS	comp-Z,2.0nm,0.3s						
CBKS	Cedar Bluff	51.74	73	eP	P	08 56 17.1	+0.8
CBKS	Cedar Bluff	51.74	73	eP	Pmax		
CBKS	Cedar Bluff	51.74	73	P	P	08 56 16.2	-0.2
F37A	Hinrichs Farm, baz=307,SNR=6.1	51.76	62	P	P	08 56 14.7	-1.6
SP3M	The Farm, Brul baz=306	51.84	60	P	P	08 56 15.6	-1.3
E38A	Marine on St.	51.95	62	P	P	08 56 16.4	-1.4
F38A	Pierce - Schro baz=307,SNR=9.0	52.04	61	P	P	08 56 17.5	-1.0
FRB	Frobisher Bay	52.14	33	P	P	08 56 20.2	+1.4
DAG	Danmarks Havn	52.19	7	iP	P	08 56 19.6	+0.5
DAG	Danmarks Havn	52.19	7	iP	Pmax		
NJ2	Nanjing	52.25	277	eP	P	08 56 20.6	+0.5
NJ2	Nanjing	52.25	277	eP	Pmax		
BTO	comp-Z,15nm,0.7s						
G38A	Baotou	52.30	291	eP	P	08 56 20.5	-0.1
G38A	Ridgeland	52.52	62	P	P	08 56 21.0	-1.1
E39A	Mellen	52.53	60	P	P	08 56 20.6	-1.5
H38A	Malden Rock	52.58	63	P	P	08 56 21.7	-0.7
F39A	Loretta	52.60	61	P	P	08 56 21.2	-1.4
TIY	Taiyuan	52.64	286	eP	P	08 56 24.4	+1.3
TIY	Taiyuan	52.64	286	eP	Pmax		
TIY	Taiyuan	52.64	286	eP	Pmax		
TIY	comp-Z,53nm,1.1s						
MNTX	comp-Z,330nm,3.5s						
MNTX	Cornudas Mount	52.76	83	eP	P	08 56 24.8	+0.8
MNTX	Cornudas Mount	52.76	83	P	P	08 56 23.5	-0.5
G39A	Holcombe	52.84	61	P	P	08 56 23.0	-1.4
CPRX	Cap Rock	52.85	81	eP	P	08 56 25.7	+0.9
MSTX	Muleshoe	52.93	79	eP	P	08 56 25.5	+0.2
MSTX	Muleshoe	52.93	79	P	P	08 56 25.1	-0.2
AMTX	Amarillo	53.02	78	eP	P	08 56 26.6	+0.6
AMTX	Amarillo	53.02	78	P	P	08 56 25.9	-0.1
F40A	Park Falls	53.05	60	P	P	08 56 24.4	-1.5
GD12	Guadalupe Moun	53.08	82	P	P	08 56 27.4	+1.0
H39A	Augusta	53.14	62	P	P	08 56 25.6	-1.1
KNGR	Kungurtug, Tuv	53.24	307	eP	P	08 56 27.9	+0.5
KSU1	Kansas State U	53.47	71	eP	P	08 56 28.8	-0.2
KSU1	Kansas State U	53.47	71	eP	P	08 57 36.3	+0.4
KSU1	Kansas State U	53.47	71	eP	P	08 56 28.2	-0.9
SUMG	Summit	53.49	15	eP	P	08 56 29.6	+0.4
SUMG	Summit	53.49	15	iP	P	08 56 30.1	+0.9
SUMG	Summit	53.49	15	iP	Pmax		
SUMG	Summit	53.49	15	iP	Pmax		
I39A	comp-Z,170nm,1.0s						
I39A	Houston	53.51	63	eP	P	08 56 28.5	-0.8
I39A	Houston	53.51	63	P	P	08 56 27.9	-1.4
ILULI	Ilulissat	53.55	22	eP	P	08 56 30.5	+1.3
ILULI	Ilulissat	53.55	22	eP	P	08 56 39.0	-1.6
ILULI	Ilulissat	53.55	22	eP	P	08 56 29.3	+0.1
ILULI	Ilulissat	53.55	22	eP	P	08 56 30.5	+1.3
ILULI	Ilulissat	53.55	22	eP	P	08 56 39.0	-1.6
H40A	Chili	53.68	62	P	P	08 56 29.9	-0.7
F41A	Three Lakes	53.72	60	eP	P	08 56 30.8	-0.1
F41A	Three Lakes	53.72	60	P	P	08 56 30.1	-0.8
J39A	Decorah	53.73	64	P	P	08 56 29.6	-1.3
U32A	Winter Ranch, comp-Z,74nm,1.1s	53.73	75	eP	P	08 56 31.5	+0.5
SCIA	State Center	53.73	66	P	P	08 56 29.9	-1.1
G41A	Antigo	54.00	60	P	P	08 56 31.0	-1.9
I40A	Norwalk	54.01	62	P	P	08 56 31.3	-1.6
K39A	Orwein	54.01	64	P	P	08 56 31.3	-1.7
H41A	Junction City	54.10	61	eP	P	08 56 33.3	-0.4
H41A	Junction City	54.10	61	P	P	08 56 32.2	-1.4
J40A	Soldiers Grove	54.24	63	P	P	08 56 33.3	-1.4
F42A	Maple Grove Fa	54.24	59	P	P	08 56 33.3	-1.4
L39A	Vinton	54.31	65	P	P	08 56 34.1	-1.1
I41A	Arkdale	54.33	62	eP	P	08 56 33.4	-1.8
I41A	Arkdale	54.33	62	P	P	08 56 34.3	-1.0
G42A	Mountain	54.40	60	P	P	08 56 34.7	-1.1
K40A	Colesburg	54.45	64	P	P	08 56 34.6	-1.6
E43A	Lone Tree Farm	54.49	58	P	P	08 56 34.7	-1.7
M39A	Webster	54.61	66	P	P	08 56 35.8	-1.5
J41A	Loganville	54.67	63	P	P	08 56 36.4	-1.4
F43A	Flat Rock, Esc	54.73	59	P	P	08 56 36.4	-1.8
L40A	Anamosa	54.80	65	eP	P	08 56 37.6	-1.1

L40A	Anamosa	54.80	65	P	P	08 56 36.8	-1.9
JFWS	Jewell Farm	54.82	63	P	P	08 56 37.5	-1.4
WMOK	Wichita Moun	54.93	76	eP	P	08 56 40.2	+0.4
WMOK	Wichita Moun	54.93	76	eP	P	08 56 40.2	+0.4
WMOK	Wichita Moun	54.93	76	eP	Pmax		
WMOK	Wichita Moun	54.93	76	P	P	08 56 38.8	-1.0
I42A	Draeger Farm, baz=309	54.97	62	P	P	08 56 38.3	-1.6
K41A	Shuburg	54.98	64	P	P	08 56 38.6	-1.5
M40A	Post Highland	55.04	65	P	P	08 56 38.7	-1.8
F44A	Big Bay de Noc	55.05	58	P	P	08 56 39.9	-0.6
L41A	Preston	55.21	64	P	P	08 56 40.3	-1.4
J42A	Columbus	55.21	62	P	P	08 56 40.2	-1.5
H43A	Windswept, Lux	55.25	60	P	P	08 56 40.8	-1.1
N40A	Mertquake, Sal	55.33	66	P	P	08 56 41.5	-1.1
SFJD	Kangerlussuaq	55.33	24	eP	P	08 56 44.0	+1.8
SFJD	Kangerlussuaq	55.33	24	iP	P	08 56 42.9	+0.7
SFJD	Kangerlussuaq	55.33	24	iP	P	08 56 42.9	+0.7
SFJD	Kangerlussuaq	55.33	24	iP	Pmax		
SFJD	Kangerlussuaq	55.33	24	eP	P	08 56 43.1	+0.9
SLBS	Sierra La Lagu	55.36	94	eP	P	08 56 44.1	+1.0
I43A	Langenfeld Bro	55.41	61	P	P	08 56 42.0	-1.1
K42A	Prairie Point, baz=310	55.42	63	P	P	08 56 42.0	-1.3
TX31	Lajitas Ar. Si	55.44	84	eP	P	08 56 42.9	-0.8
TX31	Lajitas Ar. Si	55.44	84	eP	P	08 56 43.4	-0.3
TXAR	Lajitas Array	55.45	84	P	P	08 56 43.6	-0.1
TXAR	comp-Z,26nm,0.9s, baz=295,slow=5.0,SNR=1665				P	08 57 44.2	+0.4
J43A	Natural Harves	55.57	62	P	P	08 56 42.6	-1.6
M41A	Milan	55.63	65	P	P	08 56 43.4	-1.3
L42A	Oliver, Polo	55.73	64	P	P	08 56 44.1	-1.4
D46A	Sault St. Mari	55.76	56	P	P	08 56 44.4	-1.2
ABTX	Abilene, Hawle	55.78	79	eP	P	08 56 46.4	+0.4
ABTX	Abilene, Hawle	55.78	79	P	P	08 56 45.3	-0.7
N41A	Harden Midland	55.87	66	eP	P	08 56 45.8	-0.7
N41A	Harden Midland	55.87	66	P	P	08 56 45.3	-1.2
E46A	Sault Ste Mari	55.95	57	P	P	08 56 45.5	-1.4
TUL1	Leonard	56.01	73	eP	P	08 56 47.5	0.0
TUL1	Leonard	56.01	73	P	P	08 56 46.7	-0.8
K43A	Burlington	56.05	62	P	P	08 56 46.3	-1.4
F46A	Macinaw City C	56.08	57	P	P	08 56 46.7	-1.1
WHN	Wuhan	56.12	278	iP	S	08 56 47.8	-0.6
WHN	Wuhan	56.12	278	iP	S	09 04 33.3	-3.0
WHN	Wuhan	56.12	278	iP	S		
WHN	comp-Z,110nm,1.2s				LR	LR	
D47A	Chapleau	56.15	55	P	P	08 56 47.5	-0.9
O41A	Passleys Farm, baz=310	56.23	66	P	P	08 56 47.8	-1.3
G46A	Petoskey	56.31	58	P	P	08 56 48.8	-0.8
P41A	Barry, Barry	56.41	67	P	P	08 56 48.9	-1.4
E47A	Iron Bridge	56.44	56	P	P	08 56 49.5	-1.0
M43A	Waltham Townsh	56.54	64	P	P	08 56 49.5	-1.5
SSLB	Suzung	56.58	268	eP	P	08 56 51.4	-0.4
D48A	Paudash Townsh	56.75	55	P	P	08 56 51.9	-0.8
GLMI	Graying	56.76	58	P	P	08 56 51.7	-1.1
Q41A	Truxton	56.78	67	P	P	08 56 52.0	-0.9
I46A	Reed City	56.87	60	P	P	08 56 52.5	-1.1
HDIL	Hopedale	56.88	65	eP	P	08 56 52.5	-1.1
HDIL	Hopedale	56.88	65	eP	P	08 56 52.5	-1.1
P42A	Winchester	56.89	66	eP	P	08 57 49.1	+0.1
P42A	Winchester	56.89	66	P	P	08 56 52.8	-0.9
HHAR	Hobbs	56.90	72	eP	P	08 56 52.9	-1.0
O43A	Sugar Creek Fa	57.04	65	P	P	08 56 53.5	-1.3
R41A	Rosebud	57.12	68	P	P	08 56 53.7	-1.7
JCT	Junction City	57.12	81	eP	P	08 56 55.3	-0.3
JCT	Junction City	57.12	81	eP	P	08 56 55.3	-0.3
JCT	Junction City	57.12	81	eP	Pmax		
JCT	Junction City	57.12	81	P	P	08 56 54.2	-1.4
H47A	Mio	57.13	58	P	P	08 56 54.5	-0.9
J46A	Howard City	57.15	60	P	P	08 56 53.8	-1.7
ZAA1	Zalesovo Array	57.17	316	eP	P	08 56 56.5	+0.9
ZALV	Zalesovo Beam	57.18	316	eP	P	08 56 55.8	+0.2
ZALV	Zalesovo Beam	57.18	316	P	P	08 56 56.5	+0.9
ZALV	comp-Z,9.3nm,0.7s, baz=64,slow=10,SNR=11				LR	LR	
XAN	Xi'an	57.19	285	P	P	08 56 55.5	-0.5
XAN	Xi'an	57.19	285	P	P	08 57 04.3	-2.1
XAN	Xi'an	57.19	285	P	P	09 04 42.3	-8.2
XAN	Xi'an	57.19	285	P	Pmax		
XAN	Xi'an	57.19	285	P	Pmax		
XAN	Xi'an	57.19	285	P	P	08 56 55.0	-0.8
XAN	Xi'an	57.19	285	P	P	08 56 54.0	-1.8
Q42A	Golden Eagle	57.22	67	P	P	08 56 54.9	-

20d 8h

LZH Lanzhou	58.92 290	UP	P	08 57 08.4 +0.1
LZH		pP	pP	08 57 19.8 +0.4
LZH		sP	sP	08 57 21.4 +6.9
LZH		S	S	09 05 12.8 -0.6
LZH		sS	sS	09 05 24.0 +3.2
LZH	comp=Z,62nm,1.6s		pmax	
LZH	comp=Z,260nm,4.9s		pmax	
LZH	comp=Z,830nm,16.6s		LR	
LZH	comp=Z,600nm,16.6s		LR	
D53A Lac Vacive, Po	58.94 53	P	P	08 57 07.4 -0.6
AAM Ann Arbor	58.94 60	P	P	08 57 06.5 -1.5
R45A Skylar, Fairfi	58.95 66	P	P	08 57 06.5 -1.7
F52A Sundridge	58.95 55	P	P	08 57 08.1 -0.1
E52A Mattawa	58.97 54	P	P	08 57 06.9 -1.3
U44A Rector	58.97 69	P	P	08 57 06.7 -1.6
U43A Benton	58.98 68	P	P	08 57 06.9 -1.6
L49A Milan	59.00 60	P	P	08 57 06.5 -2.0
W42A Bald Knob	59.03 71	P	P	08 57 07.5 -1.4
GTA Gaotai	59.09 296	eP	P	08 57 09.0 -0.3
GTA		pP	pP	08 57 14.3 +0.5
GTA		sP	sP	08 57 17.3 +1.8
GTA		S	S	09 05 13.3 -2.0
GTA		sS	sS	09 05 23.3 +0.2
GTA	comp=Z,9.0nm,1.5s		pmax	
GTA	comp=Z,310nm,7.3s		LR	
GTA	comp=Z,430nm,19.0s		LR	
GTA	comp=Z,450nm,17.8s		LR	
N48A Decatur	59.12 62	P	P	08 57 07.4 -2.0
WLAR White Oak Lake	59.13 73	eP	P	08 57 09.5 0.0
V43A Jonesboro	59.28 70	P	P	08 57 08.7 -1.9
M49A Liberty Center	59.31 61	P	P	08 57 09.1 -1.5
KEV Kevo	59.32 352	eP	P	08 57 10.8 +0.5
KEV	comp=Z,156nm,1.7s		eP	
KEV	59.32 352	eP	P	08 57 11.1 +0.8
P47A Martinsville	59.33 64	P	P	08 57 09.1 -1.7
HBAR Harrisburg	59.37 70	eP	P	08 58 00.3 +1.3
ENH Enshi	59.38 282	eP	P	08 57 11.1 -0.2
BLO Bloomington	59.39 64	eP	P	08 57 10.2 -1.0
BLO	comp=Z,40nm,0.9s		pmax	
BLO	59.39 64	eP	P	08 57 10.2 -1.0
D54A Lac Fusel, La	59.41 52	P	P	08 57 09.7 -1.6
E53A Dumoine, Ponti	59.42 53	P	P	08 57 10.2 -1.1
O48A Farmland	59.45 63	P	P	08 57 09.5 -2.2
R46A Gibon Southern	59.46 66	P	P	08 57 10.3 -1.4
NATX Nacogdoches	59.48 76	eP	P	08 57 12.8 +0.8
NATX	comp=Z,140nm,1.4s		eP	
NATX	59.48 76	eP	P	08 57 11.5 -0.4
ALGO Algonquin Park	59.51 54	P	P	08 57 11.2 -0.8
ALGO	comp=Z,312,SNR=5.1		eP	
ANGG Ammassalik, Gr	59.53 20	eP	P	08 57 12.7 +1.0
USIN University of	59.53 66	eP	P	08 57 11.7 -0.5
USIN	comp=Z,65nm,1.4s		eP	
N49A Columbus Grove	59.56 62	P	P	08 57 10.8 -1.6
L50A Kingsville	59.58 60	P	P	08 57 10.7 -1.8
Q47A Bedford North L	59.60 65	P	P	08 57 11.0 -1.8
Z41A Richland Creek	59.61 73	eP	P	08 57 13.2 +0.4
Z41A	comp=Z,81nm,1.5s		eP	
Z41A	59.61 73	eP	P	08 57 11.9 -0.9
ELFO Elginfield	59.63 58	P	P	08 57 12.6 -0.2
E54A Lac Daplat, Po	59.63 53	P	P	08 57 11.4 -1.4
ARA0 ARCESS Array S	59.67 352	eP	P	08 57 12.8 +0.1
ARCES	comp=Z,204nm,1.7s		eP	
ARCES	59.67 352	eP	P	08 57 13.0 +0.3
ARCES	59.67 352	eP	P	08 57 13.0 +0.3
ARCES	59.67 352	eP	P	08 57 12.8 +0.1
ARCES	comp=Z,12nm,0.6s,baz=19,slow=7.3,LR=50		LR	
ARE0 ARCESS Array S	59.67 352	eP	P	08 57 11.9 -0.8
G53A Haliburton	59.77 55	P	P	08 57 13.3 -0.5
CCAR Cane Creek	59.80 72	eP	P	08 57 14.6 +0.5
P48A Mitroy	59.83 63	P	P	08 57 13.0 -1.3
M50A Fremont	59.88 60	P	P	08 57 13.5 -1.1
X43A Marvel	59.93 71	eP	P	08 57 14.9 -0.1
X43A	comp=Z,95nm,1.4s		eP	
X43A	59.93 71	eP	P	08 57 14.2 -0.8
R47A Woolly Knot Far	59.98 65	P	P	08 57 13.6 -1.6
HKT Hockley	59.99 78	eP	P	08 57 16.2 +0.8
HKT	comp=Z,168nm,1.6s		eP	
HKT	59.99 78	eP	P	08 57 15.3 -0.1
Q48A North Vernon	60.01 64	P	P	08 57 14.3 -1.2
T46A Princeton	60.02 67	P	P	08 57 15.0 -0.6
ACTO Acton	60.03 57	P	P	08 57 15.4 -0.2
TRO Tromso	60.03 355	eP	P	08 57 15.5 +0.3
J52A Paris	60.05 57	P	P	08 57 13.4 -2.3
PEMO Pembroke	60.11 54	P	P	08 57 15.6 -0.5
I53A Kortright Cn E	60.13 56	P	P	08 57 15.0 -1.3
WCI Wyandotte Cave	60.16 65	eP	P	08 57 15.8 -0.7
WCI	comp=Z,18nm,0.8s		eP	
WCI	60.16 65	eP	P	08 57 15.8 -0.7
WCI	comp=Z,18nm,0.8s		pmax	
WCI	60.16 65	eP	P	08 57 15.5 -1.1
P49A Miami Univ. Ec	60.19 63	P	P	08 57 14.8 -1.9
BANO Bancroft	60.20 54	P	P	08 57 17.1 +0.4
K52A Tillsburg	60.23 58	P	P	08 57 16.6 -0.3
N50A Nevada	60.24 61	P	P	08 57 16.0 -1.1
S47A Hartford	60.24 66	P	P	08 57 16.0 -1.2
LVZ Lovozero	60.25 348	eP	P	08 57 16.8 0.0
LVZ	comp=Z,58nm,0.9s		eP	
LVZ	60.25 348	eP	P	08 57 17.3 +0.5
V45A Humboldt	60.26 69	P	P	08 57 16.0 -1.3
R48A Northridge Ran	60.29 65	P	P	08 57 16.0 -1.4

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U46A Springville	60.31 68	P	P	08 57 16.2 -1.5
Y43A Makaya and Ka	60.31 72	P	P	08 57 16.2 -1.4
PKRO Pickering	60.32 56	P	P	08 57 15.9 -1.6
KTK1 Kautokeino	60.36 353	eP	P	08 57 18.0 +0.5
O50A Cable	60.40 62	P	P	08 57 16.9 -1.3
M51A Elyria	60.40 60	P	P	08 57 16.4 -1.8
Q49A Aurora	60.44 64	P	P	08 57 17.0 -1.5
F55A Otter Lake	60.46 53	P	P	08 57 17.8 -0.7
TYNO Tyneside	60.48 57	P	P	08 57 17.8 -0.8
T47A Sharon Grove	60.52 67	eP	P	08 57 18.2 -0.8
T47A	comp=Z,140nm,1.9s		eP	
T47A	60.52 67	eP	P	08 57 18.2 -0.8
W45A Hickory Valley	60.52 69	P	P	08 57 18.3 -0.7
IVI Ivigut	60.53 27	eP	P	08 57 20.2 +1.5
DRWO Darlington Wes	60.56 56	P	P	08 57 18.0 -1.2
DRWO	comp=Z,99nm,1.2s		eP	
DRWO	60.56 56	P	P	08 57 18.3 -0.9
PLVO Plevna	60.63 54	eP	P	08 57 20.5 +0.8
PLVO	comp=Z,78nm,1.0s		eP	
PLVO	60.63 54	eP	P	08 57 18.6 -1.1
P50A Jamestown	60.66 62	P	P	08 57 18.9 -1.0
P50A	comp=Z,130nm,1.0s		eP	
P50A	60.66 62	P	P	08 57 18.9 -1.0
G55A Catlabogue	60.67 54	P	P	08 57 18.7 -1.2
WWT Waverly	60.67 68	eP	P	08 57 19.4 -0.7
WWT	comp=Z,79nm,1.6s		eP	
WWT	60.67 68	eP	P	08 57 19.4 -0.7
WWT	comp=Z,79nm,1.6s		pmax	
WWT	60.67 68	eP	P	08 57 18.7 -1.3
S48A Wierman Farm,	60.68 65	P	P	08 57 19.2 -1.0
S48A	comp=Z,313,SNR=7.7		eP	
S48A	60.68 65	P	P	08 57 19.2 -1.0
ACSO Alum Creek Sta	60.70 61	P	P	08 57 19.4 -0.8
ACSO	comp=Z,313,SNR=7.7		eP	
ACSO	60.70 61	P	P	08 57 19.4 -0.8
WLVO Wesleyville	60.70 56	P	P	08 57 19.9 -0.3
DELO Deloro Mine	60.71 55	P	P	08 57 19.2 -1.0
M52A Chesterland	60.72 59	P	P	08 57 19.9 -0.4
APA Apatity	60.72 349	lP	P	08 57 19.2 -0.7
APA	comp=Z,11nm,1.0s		pmax	
APA	60.72 349	lP	P	08 57 19.2 -0.7
APA	comp=Z,400nm,16.0s		MLR	
V46A Hollanday	60.73 68	P	P	08 57 18.7 -1.8
V46A	comp=Z,313,SNR=9.2		eP	
V46A	60.73 68	P	P	08 57 18.7 -1.8
R49A Shelbyville	60.77 64	P	P	08 57 19.6 -1.1
STCO St Catharin	60.77 57	P	P	08 57 19.6 -1.0
U47A Clarksville	60.78 67	P	P	08 57 20.1 -0.7
OXF Oxford	60.83 70	eP	P	08 57 20.5 -0.7
OXF	comp=Z,78nm,1.0s		eP	
OXF	60.83 70	eP	P	08 57 20.5 -0.7
OXF	comp=Z,78nm,1.0s		pmax	
OXF	60.83 70	eP	P	08 57 19.7 -1.5
OXF	comp=Z,313,SNR=7.7		eP	
OXF	60.83 70	eP	P	08 57 19.7 -1.5
T48A Bowling Green	60.85 66	P	P	08 57 20.9 -0.4
I55A Frankford	60.88 55	P	P	08 57 21.0 -0.4
H55A Tweed	60.91 54	P	P	08 57 20.8 -0.7
O51A Pataskala	60.97 61	P	P	08 57 21.2 -0.9
O51A	comp=Z,313,SNR=5.1		eP	
O51A	60.97 61	P	P	08 57 21.2 -0.9
W46A Michie	61.02 69	P	P	08 57 21.3 -1.2
N52A McGinn's Farm,	61.03 60	P	P	08 57 21.5 -1.0
N52A	comp=Z,313,SNR=7.2		eP	
N52A	61.03 60	P	P	08 57 21.5 -1.0
L53A Girard	61.04 58	P	P	08 57 21.8 -0.7
S49A Springfield	61.04 65	P	P	08 57 21.2 -1.4
V47A Nunnally	61.06 68	P	P	08 57 21.6 -1.1
Q50A Georgetown	61.08 63	P	P	08 57 21.7 -1.1
Q50A	comp=Z,313,SNR=7.7		eP	
Q50A	61.08 63	P	P	08 57 21.7 -1.1
ERPA Erie	61.08 58	P	P	08 57 22.3 -0.5
TRQ Mont Tremblant	61.11 52	eP	P	08 57 22.9 -0.1
ORIO Orleans, Innes	61.16 53	P	P	08 57 21.6 -1.6
M53A WJ Miller and	61.16 59	P	P	08 57 22.5 -0.9
M53A	comp=Z,313,SNR=7.7		eP	
M53A	61.16 59	P	P	08 57 22.5 -0.9
P51A Williamsport	61.16 62	P	P	08 57 21.7 -1.7
U48A Cassie Pea, Po	61.18 67	P	P	08 57 22.7 -0.8
U48A	comp=Z,313,SNR=7.7		eP	
U48A	61.18 67	P	P	08 57 22.7 -0.8
LATQ La Tuque	61.18 50	P	P	08 57 22.5 -0.8
MEDQ Medina	61.19 56	P	P	08 57 23.5 0.0
MEDQ	comp=Z,313,SNR=7.7		eP	
MEDQ	61.19 56	P	P	08 57 23.5 0.0
LNIG Linare	61.21 85	eP	P	08 57 22.1 -1.8
R50A Paris	61.26 64	P	P	08 57 22.5 -1.6
R50A	comp=Z,30nm,1.1s		eP	
R50A	61.26 64	P	P	08 57 22.5 -1.6
X46A Booneville	61.29 70	P	P	08 57 23.3 -1.1
PLAL Pickwick Lake	61.31 69	eP	P	08 57 23.9 -0.6
PLAL	comp=Z,62nm,1.6s		eP	
PLAL	61.31 69	eP	P	08 57 23.9 -0.6
Q51A Peebles	61.31 63	P	P	08 57 23.3 -1.2
Q51A	comp=Z,76nm,1.3s		eP	
Q51A	61.31 63	P	P	08 57 23.3 -1.2
ALFO Alfred	61.35 52	P	P	08 57 23.6 -0.9
T49A Edmonton	61.36 66	P	P	08 57 23.5 -1.3
H56A Elgin	61.36 54	P	P	08 57 24.1 -0.5
H56A	comp=Z,314,SNR=8.4		eP	
H56A	61.36 54	P	P	08 57 24.1 -0.5
W47A Westpoint	61			

1533

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like Sevierville, Tuckaleechee C, Kings Mountain, etc.

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Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like Kings Mountain, Monticello, ARU, etc.

20d 8h

Table with columns for call sign, name, frequency, power, and other technical details. Includes stations like AAK, DWPF, NRN, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like PBKT, SUKH, GAR, RAMN, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like DPC, MEM, MORC, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like KIS, JMS, MODS, etc.





20d 9h

Table with columns: Name, Time, Status, and other details. Includes entries like Kuril'sk, Nemuro 2, and various other locations.

2013 FEB

Table with columns: Name, Time, Status, and other details. Includes entries like HHC, ULN, TLY, H1N1, and various other locations.

1536

Table with columns: Name, Time, Status, and other details. Includes entries like Podgornoye, Chiang Mai Arr, and various other locations.







20d 9h

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like LRLAL, V49A, ETSF, N50A, W49A, U49A, T49A, T49A, CHGQ, S49A, BWLO, Y48A, R49A, X48A, X48A, Q49A, VLDO, P49A, W48A, EPF, EPF, V48A, V48A, U48A, S48A, T48A, 147A, LSQO, SCHQ, SCHQ, R48A, P48A, Q48A, X47A, W47A, WCI, U47A, T47A, S47A, L48A, ROSF, ROSF, Q47A, WVT, WVT, WVT, K48A, P47A, X46A, MATQ, V46A, LFF, LFF, O47A, T46A, MTLF, MTLF, S46A, MFF, MFF, OXF, OXF, OXF, OXF, V45A, W45A, D48A, I47A, N46A, R45A, CAF, CAF, OLIL, OLIL, GRR, GRR, Q45A, SIUC, S44A, FLN, FLN, R44A, T44A, LDF, LDF, P44A, Y43A.

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Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like Q44A, TCF, O44A, X43A, S43A, T43A, R43A, Q43A, BGF, FVM, FVM, HDIL, VIVF, VIVF, U42A, M43A, KEST, KEST, AVF, AVF, S42A, T42A, T42A, R42A, Q42A, SMF, SMF, P42A, P42A, U41R, W41B, W41B, CCM, CCM, CCM, U41A, WHAR, N42A, M42A, T41A, LOR, LOR, R41A, L42A, S41A, X40A, X40A, Q41A, K42A, P41A, Q41A, I42A, N41A, N41A, M41A, U40A, U40A, L41A, BNI, BNI, BNI, K41A, MIAR, LPL, LPL, I41A, EKA, N40A, W39A, W39A, M40A, L40A, F41A, PGF, PGF, J40A, E41A, BAIF, BAIF, M39A, DOU, HAU, HAU, K39A, GIVF, GIVF.

1540

Table with columns: Call Sign, Name, Azimuth, Elevation, Power, Mode, Frequency, and other parameters. Includes stations like I39A, HINF, HINF, BCLA, F39A, CDF, CDF, TUL1, TUL1, MEM, BFO, BFO, 435B, 435B, SPMM, SPMM, WHTX, WHTX, F37A, DAVOX, DAVOX, DAVA, DAVA, FETA, SFJD, KSU1, KSU1, RETA, LNIG, MOTA, SQTA, 833A, 833A, WATA, WTTA, WMOK, WMOK, WMOK, JCT, JCT, JCT, JCT, PLCA, PLCA, ABTX, ABTX, U32A, ECSD, KBA, KBA, MYKA, BGNE, BGNE, OBKA, CBKS, CBKS, GEA0, GERS, GERS, MOA, KHC, KHC, KHC, KHC, SOKA, CLL, ULM, ULM, ULM, ARSA, SUSD, AMTX, AMTX, PRU, GOPC, CONA, TREC, MSTX, KRUC, TX31, TXAR, TXAR, PDG, WRAC, WRAC.

1541

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like VRAC Vranov, DPC Dobruska-Polom, KSCO Kaye Shedlock, etc.

2013 FEB

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like TIRR Tirusor, MOOV Moose Ponds, FLWY Flagg Ranch, etc.

20d 9h

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like PRGR Permogore, DLBC Dease Lake, INK Inuvik, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like AMT Artemida-Makis, PYL PYLOS, MES2 Methoni, RLS Rioli of Patr, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DDA 20:10:1:37.5, IS/CJB 20:10:1:38.0, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CUZAR Zara SIVAS, KELT Kelkit, KLT Trabzon, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IDC 20:10:03:23.3, mb1 3.9/8, mb1mx3.7/42, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JMA 20:10:10:26.6, IDC 20:10:11:10.0, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IS/CJB 20:10:22:36.1, NEIC 20:10:22:36.7, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA 4.8nm, WB2 Warrungarra Arr, COEN Coen, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IDC 20:10:28:48.9, MAN 20:10:28:50.2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NIED 20:10:28:00.35, JMA 20:10:28:58.0, etc.



20d 11h

Table with columns: Call Sign, Location, Frequency, Power, and other technical details. Includes entries like BDFB Brasilia, DUB01 Friburgo-RJ, CAM01 Campos-RJ, etc.

2013 FEB

Table with columns: Call Sign, Location, Frequency, Power, and other technical details. Includes entries like CCIG Comitan, TEIG Tepich, CMIG Matamoros, etc.

1544

Table with columns: Call Sign, Location, Frequency, Power, and other technical details. Includes entries like GOGA Godfrey, Z52A Williamson, Y49A Jones, etc.



20d 11h

N40A	Mertquake, Sal	72.14 340	P	P	11 29 60.0 -0.4
DRWO	Darlington Wes	72.16 351	P	P	11 30 00.2 -0.2
KSU1	Kansas State U	72.20 336	eP	P	11 30 01.0 +0.2
KSU1	Kansas State U	72.20 336	P	P	11 30 00.8 +0.1
I53A	Kortright Cn E	72.24 350	P	P	11 30 00.8 -0.1
M41A	Milan	72.29 341	P	P	11 30 00.6 -0.6
PKRO	Pickering	72.30 351	P	P	11 30 01.3 0.0
K46A	Dorr	72.31 345	P	P	11 30 00.5 -0.8
BNM	Barren Site	72.33 326	eP	P	11 30 03.4 +1.4
I55A	Frankford	72.36 352	eP	P	11 30 01.8 +0.2
LONY	Lake Ozonia	72.42 354	eP	P	11 30 03.0 +1.0
LONY	Lake Ozonia	72.42 354	P	P	11 30 02.5 +0.5
I51A	Listowel	72.45 349	P	P	11 30 02.1 -0.1
LPM	Los Pinos Moun	72.46 326	eP	P	11 30 04.5 +1.9
J48A	Bridge Port	72.47 347	P	P	11 30 01.3 -1.0
LENM	Lemitar	72.52 326	eP	P	11 30 04.4 +1.4
FRNY	Flat Rock	72.54 355	eP	P	11 30 03.4 +0.8
L43A	Garden Prairie	72.56 343	P	P	11 30 02.6 -0.2
H56A	Elgin	72.56 353	P	P	11 30 03.0 +0.3
I52A	Shilburne	72.57 350	P	P	11 30 02.9 0.0
M40A	Post Highland	72.60 341	P	P	11 30 02.7 -0.4
H55A	Tweed	72.63 352	P	P	11 30 03.0 -0.1
J47A	Summer	72.63 346	P	P	11 30 02.6 -0.6
L42A	Oliver, Polo	72.64 342	eP	P	11 30 03.2 -0.1
L42A	Oliver, Polo	72.64 342	P	P	11 30 02.9 -0.3
PKME	Peaks-Kenny Pk	72.73 358	eP	P	11 30 05.1 +1.4
PKME	Peaks-Kenny Pk	72.73 358	P	P	11 30 04.5 +0.8
BWLO	Walkerton	72.78 349	P	P	11 30 04.2 +0.2
LAZ	Ladron	72.79 326	eP	P	11 30 06.2 +1.6
M39A	Webster	72.87 340	P	P	11 30 03.9 -0.7
ANMO	Albuquerque	72.88 327	eP	P	11 30 06.6 +1.4
ANMO	Albuquerque	72.88 327	dIP	pmax	11 30 06.5 +1.4
ANMO	Albuquerque	72.88 327	P	pmax	11 30 06.6 +1.4
I49A	Point Hope	72.90 348	P	P	11 30 04.0 -0.8
L41A	Preston	72.93 342	P	P	11 30 04.3 -0.7
K43A	Burlington	72.94 343	eP	P	11 30 04.9 -0.2
K43A	Burlington	72.94 343	P	P	11 30 04.8 -0.2
TUC	Tucson	73.06 322	eP	P	11 30 07.7 +1.6
TUC	Tucson	73.06 322	P	P	11 30 07.7 +1.6
TUC	Tucson	73.06 322	P	P	11 30 07.3 +1.2
PLVO	Plevna	73.10 352	P	P	11 30 06.2 +0.3
L40A	Anamosa	73.12 341	eP	P	11 30 06.0 -0.2
L40A	Anamosa	73.12 341	P	P	11 30 05.9 -0.2
CBKS	Cedar Bluff	73.13 333	eP	P	11 30 07.3 +0.9
CBKS	Cedar Bluff	73.13 333	eP	pmax	11 30 07.3 +0.9
CBKS	Cedar Bluff	73.13 333	P	pmax	11 30 07.3 +0.9
BANO	Bancroft	73.18 352	P	P	11 30 06.5 0.0
BMRO	Merriville Lake	73.25 349	P	P	11 30 06.8 0.0
G55A	Calabogie	73.27 353	P	P	11 30 06.9 0.0
K42A	Prairie Point,	73.27 343	P	P	11 30 06.8 -0.2
I48A	Sherman Twp	73.31 347	P	P	11 30 06.9 -0.3
I47A	Gladwin	73.31 347	P	P	11 30 06.8 -0.4
ORIO	Orleans, Innes	73.33 353	P	P	11 30 07.2 -0.1
K41A	Shullsburg	73.37 342	P	P	11 30 07.3 -0.3
G53A	Haliburton	73.38 351	P	P	11 30 07.7 +0.2
L39A	Vinton	73.41 341	P	P	11 30 07.5 -0.3
I46A	Reed City	73.43 346	P	P	11 30 06.9 -1.0
ALFO	Alfred	73.44 354	P	P	11 30 06.8 -1.1
SCIA	State Center	73.58 340	eP	P	11 30 08.8 0.0
SCIA	State Center	73.58 340	P	P	11 30 08.5 -0.3
J43A	Natural Harves	73.60 344	P	P	11 30 08.7 -0.2
JFWS	Jewell Farm	73.64 342	eP	P	11 30 09.2 0.0
JFWS	Jewell Farm	73.64 342	eP	pmax	11 30 09.2 0.0
JFWS	Jewell Farm	73.64 342	P	pmax	11 30 09.0 -0.1
K40A	Colesburg	73.69 341	P	P	11 30 09.0 -0.4
T25A	Trinidad	73.70 329	eP	P	11 30 11.4 +1.4
T25A	Trinidad	73.70 329	P	P	11 30 11.4 +1.4
J42A	Columbus	73.72 343	P	P	11 30 09.6 0.0
PEMO	Pembroke	73.75 352	P	P	11 30 09.9 +0.2
F55A	Otter Lake	73.80 353	P	P	11 30 10.3 +0.3
KLBO	Killbuck Provi	73.83 350	P	P	11 30 10.3 +0.1
K39A	Delwein	73.91 341	P	P	11 30 10.2 -0.5
TOBO	Tobermory, Bru	73.92 349	P	P	11 30 10.4 -0.3
214A	Organ Pipe Nat	73.92 320	P	P	11 30 12.8 +1.7
H46A	Fife Lake	73.95 346	P	P	11 30 10.6 -0.4
J41A	Loganville	74.00 342	P	P	11 30 11.1 -0.1
J43A	Langenfeld Bro	74.00 344	P	P	11 30 10.9 -0.3
TRQ	Mont Tremblant	74.00 354	eP	P	11 30 11.9 +0.6
GLMI	Grayling	74.11 347	P	P	11 30 11.9 +0.1
ALGO	Algonquin Park	74.12 352	P	P	11 30 11.9 0.0
F52A	Sundridge	74.13 351	P	P	11 30 12.0 +0.1
I42A	Draeger Farm,	74.20 343	eP	P	11 30 12.5 +0.1
I42A	Draeger Farm,	74.20 343	P	P	11 30 12.4 +0.1
J40A	Soldiers Grove	74.22 342	P	P	11 30 12.1 -0.4
F51A	Arnstein	74.35 350	P	P	11 30 12.7 -0.5

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J39A	Decorah	74.43 341	P	P	11 30 13.4 -0.3
H43A	Windswept, Lux	74.46 344	P	P	11 30 13.6 -0.3
KSOC	Kaye Shedlock	74.48 332	eP	P	11 30 15.8 +1.4
KSOC	Kaye Shedlock	74.48 332	P	P	11 30 15.4 +1.1
E54A	Lac Duplat, Po	74.48 352	P	P	11 30 14.0 +0.1
E53A	Dumoine, Ponti	74.49 352	P	P	11 30 14.1 +0.1
F49A	Sandfield	74.53 349	P	P	11 30 13.9 -0.3
I41A	Arkdale	74.60 343	eP	P	11 30 14.5 -0.2
I41A	Arkdale	74.60 343	P	P	11 30 14.4 -0.2
I40A	Horwalk	74.65 342	P	P	11 30 14.7 -0.3
W18A	Petrified Fore	74.67 324	P	P	11 30 16.7 +1.2
H42A	Shiocton	74.68 344	P	P	11 30 15.1 -0.1
F48A	Evansville	74.69 348	P	P	11 30 15.0 -0.1
SDCO	Great Sand Dun	74.70 329	eP	P	11 30 17.0 +1.3
SDCO	Great Sand Dun	74.70 329	P	P	11 30 17.1 +1.3
BATG	Bathurst New B	74.71 0	eP	P	11 30 16.5 +1.3
BGNE	Belgrade	74.78 336	eP	P	11 30 16.5 +0.6
BGNE	Belgrade	74.78 336	P	P	11 30 16.4 +0.6
I39A	Houston	74.86 342	eP	P	11 30 16.1 -0.2
I39A	Houston	74.86 342	P	P	11 30 15.9 -0.3
E51A	G19 Merrick	74.88 351	P	P	11 30 16.4 +0.2
E50A	Wahnapitae	74.96 350	P	P	11 30 16.4 -0.3
LATQ	La Tuque	75.02 352	P	P	11 30 17.4 +0.4
X16A	Lo Mis Camp, P	75.02 323	eP	P	11 30 19.4 +1.9
F46A	Macinaw City C	75.04 347	P	P	11 30 16.9 -0.2
H41A	Junction City	75.07 343	eP	P	11 30 17.2 -0.1
H41A	Junction City	75.07 343	P	P	11 30 17.2 -0.1
F45A	CMU Biological	75.11 346	P	P	11 30 17.4 -0.2
D54A	Lac Fusel, La	75.13 353	P	P	11 30 17.2 -0.5
D52A	ZEI Okawa Sen	75.17 352	P	P	11 30 18.2 +0.3
D53A	Lac Vacive, Po	75.18 352	P	P	11 30 18.1 +0.2
G43A	Wallace	75.19 345	P	P	11 30 17.6 -0.4
E48A	Lockey	75.25 349	P	P	11 30 18.4 +0.1
H40A	Chil	75.26 343	P	P	11 30 18.2 -0.3
S22A	4UR Ranch, Cre	75.31 328	eP	P	11 30 20.6 +1.3
S22A	4UR Ranch, Cre	75.31 328	P	P	11 30 20.6 +1.3
G42A	Mountain	75.35 344	P	P	11 30 18.9 -0.1
D51A	Lot 18 Range I	75.41 351	P	P	11 30 19.2 -0.1
E47A	Iron Bridge	75.42 348	P	P	11 30 19.2 0.0
G41A	Antigo	75.50 344	P	P	11 30 19.8 -0.1
Y14A	Wickengurg	75.52 322	eP	P	11 30 21.6 +1.4
E46A	Sault Ste Marie	75.52 347	P	P	11 30 19.7 -0.2
Q24A	Divide	75.53 330	P	P	11 30 21.8 +1.3
H39A	Augusta	75.56 342	P	P	11 30 19.9 -0.2
F44A	Big Bay de Noc	75.58 346	P	P	11 30 20.1 -0.1
F43A	Flat Rock, Esc	75.61 345	P	P	11 30 20.3 -0.1
MVCO	Mesa Verde	75.68 327	eP	P	11 30 21.2 -0.2
MVCO	Mesa Verde	75.68 327	P	P	11 30 22.8 +1.4
E45A	Wooded Hills,	75.69 347	P	P	11 30 21.0 +0.2
G40A	Rib Lake	75.81 343	P	P	11 30 21.4 -0.2
WUAZ	Wupatki	75.82 324	eP	P	11 30 24.0 +1.8
WUAZ	Wupatki	75.82 324	P	P	11 30 23.9 +1.8
H38A	Maiden Rock	75.83 341	P	P	11 30 21.4 -0.3
D48A	Paudash Townsh	75.86 349	P	P	11 30 21.3 -0.5
GLA	Glamis	75.88 320	P	P	11 30 23.8 +1.4
D47A	Chapleau	75.96 348	P	P	11 30 22.1 -0.3
D46A	Sau St Mari	75.98 348	P	P	11 30 21.9 -0.6
F41A	Three Lakes	75.98 344	eP	P	11 30 22.7 +0.2
F41A	Three Lakes	75.98 344	P	P	11 30 22.7 +0.2
PPT	Papeete	75.98 257	P	P	11 30 25.1 +1.8
G39A	Holcombe	76.09 342	P	P	11 30 22.9 -0.3
G38A	Ridgeland	76.16 342	P	P	11 30 23.2 -0.4
VLDQ	Val d'Or	76.17 353	eP	P	11 30 24.3 +0.8
Y12C	Blythe	76.22 320	eP	P	11 30 25.9 +1.8
Y12C	Blythe	76.22 320	P	P	11 30 25.8 +1.6
ECSD	EROS Data Cent	76.31 338	eP	P	11 30 24.7 +0.2
ECSD	EROS Data Cent	76.31 338	P	P	11 30 24.6 +0.2
TSUM	Tsumeb	76.31 105	eP	P	11 30 25.5 +0.2
E42A	Champion	76.34 345	P	P	11 30 24.7 +0.1
SWSC	Sam W. Stewart	76.36 319	P	P	11 30 25.3 +0.3
F40A	Park Falls	76.40 343	P	P	11 30 25.1 +0.2
PDMC	Parker Dam,Lak	76.41 321	P	P	11 30 26.1 +0.9
ISCO	Idaho Springs	76.42 330	eP	P	11 30 26.6 +1.0
ISCO	Idaho Springs	76.42 330	eP	pmax	11 30 26.6 +1.0
ISCO	Idaho Springs	76.42 330	P	pmax	11 30 26.9 +1.4
PV01	Paradox Valley	76.45 327	eP	P	11 30 27.4 +1.7
SPMN	Marine on St.	76.48 341	eP	P	11 30 25.2 -0.2
SPMN	Marine on St.	76.48 341	P	P	11 30 25.1 -0.3
SMCO	Champion	76.53 329	eP	P	11 30 27.8 +1.4
PV15	Paradox Valley	76.57 327	eP	P	11 30 28.4 +2.1
PV02	Paradox Valley	76.59 327	eP	P	11 30 28.2 +1.8
PV13	Radium Mtn., P	76.59 327	eP	P	11 30 27.8 +1.3
F39A	Loretta	76.60 343	P	P	11 30 26.1 +0.1
E41A	Kenton	76.62 344	P	P	11 30 25.9 -0.2

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PV05	Paradox Valley	76.66 327	eP	P	11 30 28.4 +1.5
BC3	Big Chuckawall	76.68 320	P	P	11 30 28.3 +1.4
PV03	Kaye Shedlock	76.68 327	eP	P	11 30 28.5 +1.5
MONP	Monument Peak	76.69 319	P	P	11 30 28.3 +1.2
PV12	Saucer Basin,	76.71 327	eP	P	11 30 28.9 +1.8
PV11	David Mesa, Pa	76.72 327	eP	P	11 30 28.8 +1.6
PV07	Paradox Valley	76.73 327	eP	P	11 30 29.0 +1.8
PV17	East Wray Mesa	76.75 327	eP	P	11 30 28.9 +1.5
PV16	Nyswonger Mesa	76.75 327	eP	P	11 30 28.9 +1.5
PV19	Morning Glory	76.79 327	eP	P	11 30 29.1 +1.6
PV20	West Nyswonger	76.80 327	eP	P	11 30 29.2 +1.6
PV04	Paradox Valley	76.81 327	eP	P	11 30 29.3 +1.7
PV14	Lion Creek, Pa	76.86 327	eP	P	11 30 29.6 +1.6
W13A	Hualapai Mount	76.86 322	eP	P	11 30 28.8 +0.8
PV10	Paradox Valley	76.87 327	eP	P	11 30 29.3 +1.3
IRM	Iron Mountain	76.87 320	P	P	11 30 29.3 +1.5
F37A	Hinrichs Farm,	76.89 342	P	P	11 30 27.8 +0.2
F38A	Pierce - Schro	76.90 342	P	P	11 30 27.9 +0.2
PV23	Carpenter Ridg	76.91 327	eP	P	11 30 29.9 +1.6
E39A	Mellen	76.94 343	P	P	11 30 28.0 +0.1
PV21	Cote Mtn., Par	76.98 327	eP	P	11 30 30.4 +1.7

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like Topopah Spring, Boulder Array, Arvin, Jordanelle, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like Earthquake Lak, Dagmar, Virginia City, Pah Rah Range, etc.

Table with columns: Call Sign, Frequency, Power, Mode, and other details. Includes stations like SONSECA Array, Liberty, Fort Churchill, etc.





Table with columns: DZM, Mont Dzumac, 11.58 174 Pn, Pn, 11 33 18.1 -0.7, etc.

ISCJB 20 11:41:50.2, 0.3, 48.25N, 0.02, 1.68W, 0.02, h2km, 2km, Error ellipse: s-maj=3.2km s-min=2.2km az=17.9

LDG 20 11:41:53.9, 0.1, 48.27N, 1.89W, h2km, Md3.2/3, M3.2/37, Error ellipse: s-maj=1.1km s-min=0.9km az=22.0

BGS 20 11:41:55.5, 0.1, 48.37N, 1.96W, h5km, ML2.4

ISC 20 11:41:51.4, 1.2, 48.27N, 0.02, 1.88W, 0.02, h12km, 10km, n60, c1546/116, France

Main station list table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC

Station list table for 2013 FEB with columns: BAIF, Baives, 4.38 64 ePn, Pn, 11 42 59.5 +1.8, etc.

SOME 20 11:42:48.2, 42.63N, 75.67E, NNC 20 11:42:48.7, 0.4, 42.66N, 75.62E, h0km, mb2.4, mpv2.4, 2C-4D, Error ellipse: s-maj=2.7km s-min=1.9km az=150.0, Suspected Mining explosion., Lake Issyk-Kul region

Station list table for SOME/NNC with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC

ISC 20 11:56:21.1, 965.0, 52.89N, 4.63E, h0km, Error ellipse: s-maj=142.2km s-min=142.3km az=112.0, The Netherlands

Station list table for ISC 20 11:56:21.1 with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC

ISC 20 12:09:42.9, 14.0, 2.39S, 67.64E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.5/4, mbtmp3.6/4, MS3.4/5, Ms1 3.4/5, ms1mx2.9/36, Error ellipse: s-maj=440.5km s-min=34.5km az=70.0, Carlsberg Ridge

Station list table for ISC 20 12:09:42.9 with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC

Main station list table for 20d 12h with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC

20d 13h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like NEW, DUG, LDFC, PFO, MCMT, MISO, DLMT, HRY, LKWY, PDAR, etc.

IDC 20 12:33:17.5:21.0, 18.03S:177.93W, h170km, 211km, mb3.77, mb1 3.97, mb1mx3.6/30, mbtmp4.2/7, Error ellipse: s-maj=74.6km s-min=25.9km az=178.0, Fiji Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like URZ, STKA, WRA, ASAR, etc.

ISCJB 20 12:36:16.4:0.4, 38.19N:102.26:53E:0.03, h9km, 3km, Error ellipse: s-maj=3.5km s-min=2.5km az=164.6

ATH 20 12:36:16.1, 38.16N:26:52E, h30km, 1km, ML2.8/4, Error ellipse: s-maj=2.6km s-min=1.1km az=245.0

ISK 20 12:36:16.0, 38.21N:26:56E, h10km, ML3.8/26 DDA 20 12:36:17.0, 38.24N:26:68E, h9km, 3km, ML2.8 THE 20 12:36:17.1, 38.19N:26:56E, h10km, 1km, ML2.7/8, Error ellipse: s-maj=1.5km s-min=0.7km az=60.0

ISC 20 12:36:16.7:0.9, 38.20N:102.26:55E:0.02, h11km, 6km, n56, c0966/82, Aegean Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like URLA, GMLD, KRBN, BLCB, CHOS, etc.

2013 FEB

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like PRK, AYDB, SIGR, etc.

KRSC 20 12:45:49.2:1.6, 49.70N:157.08E, h15km, 32km, ML3.8, East of Kuril Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like SKR, PAU, KDR, etc.

IDC 20 12:51:59.0:88.4, 0.5300N:3.11E, h0km, Error ellipse: s-maj=418.5km s-min=154.1km az=107.0, North Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like I26DE, I43RU, I31KZ, etc.

IDC 20 13:06:25.4:1.7, 7.76S:122.49E, h0km, mb3.3/1, mb1 3.4/5, mb1mx3.3/33, mbtmp3.3/5, ML2.7/4, Error ellipse: s-maj=141.1km s-min=24.5km az=62.0

ISCJB 20 13:06:27.3:1.3, 8.40S:0.10:121.74E:0.08, h33km, mb3.5/1, Error ellipse: s-maj=13.8km s-min=12.0km az=175.8

DJA 20 13:06:27.1:0.9, 8.5S:9.122.2E, h16km, 7km, M2.9/5, ML2.9/5

ISC 20 13:06:28.5:1.5, 8.5S:0.1:121.74E:0.09, h35km, n8, c165/8, Flores region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like EDFI, MMRI, BATI, etc.

UCR 20 13:08:33.1:1.6, 10.27N:86.33W, h15km, 10km, MD4.1 IDC 20 13:08:35.0:5.5, 11.43N:86.48W, h0km, mb3.4/4, Error ellipse: s-maj=3.94km s-min=3.635km mbtmp3.5/4, ML3.3, MCS.0/2, Ms1 3.0/2, ms1mx2.5/24, Error ellipse: s-maj=119.0km s-min=70.9km az=15.0

ISC 20 13:08:32.8:1.9, 10.37N:0.07:86.26W:0.06, h6km, 11km, n34, c1506/39, mb3.3/3, 9C, Off coast of Costa Rica

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like NY14, PLVR, LACP, etc.

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like ARE1, CEDE, MGAN, etc.

SOME 20 13:09:10.0, 42.52N:79.60E, h10km NNC 20 13:09:10.7:0.7, 42.58N:79.58E, h0km, mb3.4, mpv3.0, Error ellipse: s-maj=4.8km s-min=2.4km az=133.0

KRNET 20 13:09:11.0:0.1, 42.58N:79.58E, h18km, mb2.9, 27C-19D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like SHLS, SHLS, SHLS, etc.

IDC 20 13:09:11.0:0.1, 42.58N:79.58E, h18km, mb2.9, 27C-19D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like DJR, DJR, DJR, etc.

IDC 20 13:09:11.0:0.1, 42.58N:79.58E, h18km, mb2.9, 27C-19D, Lake Issyk-Kul region

IDC 20 13:09:11.0:0.1, 42.58N:79.58E, h18km, mb2.9, 27C-19D, Lake Issyk-Kul region

IDC 20 13:09:11.0:0.1, 42.58N:79.58E, h18km, mb2.9, 27C-19D, Lake Issyk-Kul region

IDC 20 13:09:11.0:0.1, 42.58N:79.58E, h18km, mb2.9, 27C-19D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h m s, ISC. Includes stations like TNS5, TNS5, TNS5, etc.



20d 13h

145A	Houston Renfro	50.61 341	P	P	13 34 47.8	-0.9
Y50A	Piedmont	50.65 346	P	P	13 34 47.8	-1.2
833A	Chapparral WMA,	50.75 329	P	P	13 34 49.2	-0.6
Y49A	Blount Mountai	50.78 345	P	P	13 34 48.9	-1.1
X52A	Dahlonega	50.92 348	P	P	13 34 50.0	-1.0
KMSC	Kings Mountain	50.98 350	P	P	13 34 50.7	-0.8
Y48A	Jasper	51.03 344	P	P	13 34 50.5	-1.4
X50B	Fort Payne	51.17 346	P	P	13 34 51.7	-1.3
W53A	Cullowhee	51.32 349	P	P	13 34 53.0	-1.1
X49A	Woodville	51.38 345	P	P	13 34 53.2	-1.2
X48A	Hartselle	51.51 344	eP	P	13 34 54.3	-1.1
X48A	Hartselle	51.51 344	P	P	13 34 54.1	-1.3
W51A	Cleveland	51.64 347	P	P	13 34 55.3	-1.1
V53A	Saluda	51.74 349	P	P	13 34 56.2	-1.1
X47A	Russelville	51.79 344	P	P	13 34 55.9	-1.5
W50A	Signal Mountai	51.80 346	P	P	13 34 56.5	-1.1
SWET	Sewanee	51.96 346	eP	P	13 34 57.6	-1.2
X46A	Booneville	52.02 343	P	P	13 34 57.5	-1.7
V52A	Sevierville	52.06 348	eP	P	13 34 58.6	-0.9
V52A	Sevierville	52.06 348	P	P	13 34 58.2	-1.3
W48A	Pulaski	52.13 345	P	P	13 34 58.8	-1.3
Y43A	Makyla and Ka	52.14 340	P	P	13 34 59.1	-1.0
V51A	Loudon	52.17 348	P	P	13 34 59.3	-1.0
V50A	Pikeville	52.21 347	P	P	13 34 59.4	-1.1
U53A	Fall Branch	52.38 350	P	P	13 35 00.8	-1.1
W47A	Westpoint	52.41 344	P	P	13 35 00.7	-1.3
V49A	McMinnville	52.48 346	P	P	13 35 01.1	-1.5
U52A	Thorn Hill	52.55 349	P	P	13 35 01.9	-1.2
U51A	La Follette	52.66 348	P	P	13 35 02.7	-1.3
W48A	Smith Brothers	52.67 345	eP	P	13 35 02.9	-1.2
V48A	Smith Brothers	52.67 345	P	P	13 35 02.9	-1.2
WLAR	White Oak Lake	52.68 338	eP	P	13 35 04.6	+0.5
TZTN	Tazewell	52.73 349	P	P	13 35 03.3	-1.2
W45A	Hickory Valley	52.76 343	P	P	13 35 03.0	-1.7
U50A	Jamestown	52.87 347	P	P	13 35 04.3	-1.2
V47A	Nunnely	52.93 345	P	P	13 35 04.1	-1.8
T53A	Wise	52.97 350	P	P	13 35 05.2	-1.1
U49A	Red Boiling Sp	53.16 346	P	P	13 35 06.0	-1.6
T52A	Hallie	53.17 349	P	P	13 35 06.5	-1.2
T51A	Gray	53.22 348	P	P	13 35 06.9	-1.1
WWT	Waverly	53.30 344	P	P	13 35 06.5	-2.1
R58B	Mineral	53.33 355	eP	P	13 35 08.9	+0.1
R58B	Mineral	53.33 355	P	P	13 35 09.1	+0.4
U48A	Cassie Pea, Po	53.34 346	P	P	13 35 07.4	-1.5
S55A	Lewisburg	53.44 352	P	P	13 35 09.6	0.0
T50A	Nancy	53.45 348	P	P	13 35 08.4	-1.3
U47A	Clarksville	53.46 345	P	P	13 35 08.4	-1.3
MIAR	Mount Ida	53.62 338	eP	P	13 35 10.5	-0.5
MIAR	Mount Ida	53.62 338	P	P	13 35 10.3	-0.6
T49A	Edmonton	53.68 347	eP	P	13 35 10.2	-1.2
T49A	Edmonton	53.68 347	P	P	13 35 10.1	-1.2
W41B	Gary Mavity, V	53.73 340	eP	P	13 35 10.9	-0.9
W41B	Gary Mavity, V	53.73 340	P	P	13 35 11.0	-0.7
U45A	Rockin P Farm,	53.75 344	P	P	13 35 11.3	-0.6
TXAR	Lajitas Array	53.79 326	P	P	13 35 12.5	+0.1
TX31	Lajitas Ar. Si	53.79 326	eP	P	13 35 12.4	-0.1
S51A	Beattyville	53.80 349	P	P	13 35 11.4	-0.8
T48A	Bowling Green	53.88 346	P	P	13 35 11.5	-1.3
R55A	Marlinton	53.89 352	P	P	13 35 13.1	+0.2
R54A	Victor	53.91 352	P	P	13 35 12.2	-0.8
T47A	Sharon Grove	53.93 345	P	P	13 35 11.6	-1.6
S50A	Richmond	53.99 348	P	P	13 35 12.6	-1.1
LPIG	La Paz	54.01 316	P	P	13 35 13.5	-0.5
T46A	Princeton	54.18 345	P	P	13 35 14.2	-0.8
R53A	Hurricane	54.20 351	P	P	13 35 14.3	-0.8
U43A	Rector	54.24 342	P	P	13 35 14.2	-1.3
W39A	Magazine	54.28 338	eP	P	13 35 15.5	-0.3
W39A	Magazine	54.28 338	P	P	13 35 15.5	-0.3
S49A	Springfield	54.28 347	P	P	13 35 14.3	-1.4
S48A	Wiedeman Farm,	54.32 347	P	P	13 35 14.3	-1.7
T45A	Paducah	54.35 344	P	P	13 35 15.6	-0.6
ABTX	Ablene, Hawle	54.43 332	eP	P	13 35 16.8	-0.1
ABTX	Ablene, Hawle	54.43 332	P	P	13 35 16.9	-0.1
R51A	Hillsboro	54.44 349	P	P	13 35 15.6	-1.3
S47A	Hartford	54.45 346	P	P	13 35 15.5	-1.4
U42A	Reverend	54.48 341	P	P	13 35 15.8	-1.4
R50A	Paris	54.56 348	P	P	13 35 16.5	-1.2
Q55A	Buckhannon	54.59 353	P	P	13 35 17.9	-0.1
PBMO	Poplar Bluff	54.63 342	eP	P	13 35 16.9	-1.3
Q54A	Coxs Mills	54.67 352	P	P	13 35 17.7	-0.8
T44A	Benton	54.67 343	P	P	13 35 17.4	-1.2
U41A	Viola	54.69 341	P	P	13 35 17.5	-1.3
S46A	Don Dixon Farm	54.74 345	P	P	13 35 17.6	-1.4
R49A	Shelbyville	54.74 348	P	P	13 35 17.6	-1.5

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Q52A	Bidwell	54.86 351	P	P	13 35 18.6	-1.3
T43A	Greenville	54.87 342	P	P	13 35 18.6	-1.4
WCI	Wyandotte Cave	54.92 347	eP	P	13 35 18.8	-1.6
WCI	Wyandotte Cave	54.92 347	P	P	13 35 18.9	-1.5
S45A	Carrier Mills	54.96 344	P	P	13 35 19.4	-1.2
R48A	Northridge Ran	54.99 347	P	P	13 35 19.7	-1.2
U40A	Yellville	55.00 340	P	P	13 35 19.8	-1.3
R47A	Wooly Knot Far	55.04 346	P	P	13 35 19.5	-1.7
Q50A	Georgetown	55.04 349	P	P	13 35 20.1	-1.1
T42A	Van Buren	55.06 342	eP	P	13 35 19.6	-1.7
T42A	Van Buren	55.06 342	P	P	13 35 19.7	-1.7
Q51A	Peebles	55.10 350	P	P	13 35 20.6	-1.1
S44A	Carbondale	55.15 344	P	P	13 35 20.7	-1.3
SIUC	South Illinois	55.16 344	eP	P	13 35 21.0	-1.1
MCWV	Mont Chaten	55.21 353	P	P	13 35 21.9	-0.6
P54A	Burton	55.23 352	P	P	13 35 21.6	-1.1
P53A	Whipple	55.24 351	P	P	13 35 21.7	-0.9
S43A	Fulton Ridge,	55.27 343	P	P	13 35 21.4	-1.4
T41A	Mountain View	55.28 341	P	P	13 35 22.1	-0.8
HHAR	Hobbs	55.31 339	eP	P	13 35 22.3	-0.9
Q49A	Aurora	55.38 348	P	P	13 35 22.2	-1.4
R45A	Skyilar, Fairri	55.46 345	P	P	13 35 22.7	-1.6
Q48A	North Vernon	55.47 347	P	P	13 35 22.8	-1.5
P52A	Corning	55.50 351	P	P	13 35 23.1	-1.4
R44A	Waltonville	55.62 344	P	P	13 35 24.0	-1.4
Q47A	Bedord North L	55.63 347	P	P	13 35 24.1	-1.4
TUL1	Leonard	55.65 337	P	P	13 35 24.9	-0.7
S42A	Caledonia	55.66 342	P	P	13 35 23.9	-1.7
O55A	Ligonier	55.69 354	P	P	13 35 23.8	-2.1
FVM	French Village	55.75 343	eP	P	13 35 24.7	-1.6
P50A	Jamestown	55.75 349	P	P	13 35 24.8	-1.5
S41A	Jillico Farms,	55.77 341	P	P	13 35 25.2	-1.3
O54A	Avella	55.79 353	P	P	13 35 25.2	-0.4
P49A	Miami Univ. Ec	55.85 348	P	P	13 35 25.2	-1.8
R43A	Red Bud	55.88 343	P	P	13 35 26.1	-1.1
P48A	Milroy	55.92 348	P	P	13 35 25.4	-2.1
O52A	Adamsville	55.93 351	P	P	13 35 26.3	-1.2
Q45A	Warren Harvey,	56.00 345	P	P	13 35 26.3	-1.7
CCM	Cathedral Cave	56.05 342	P	P	13 35 27.3	-1.1
O51A	Pataskala	56.08 351	P	P	13 35 27.3	-1.4
P47A	Martinsville	56.12 347	P	P	13 35 27.3	-1.7
R42A	Luebbering	56.13 343	P	P	13 35 27.8	-1.2
ACSO	Alum Creek Sta	56.22 350	eP	P	13 35 28.4	-1.2
ACSO	Alum Creek Sta	56.22 350	P	P	13 35 28.4	-1.2
Q44A	Meyer Farm, Va	56.22 344	eP	P	13 35 28.2	-1.4
Q44A	Meyer Farm, Va	56.22 344	P	P	13 35 28.1	-1.6
N55A	Marion Center	56.23 354	P	P	13 35 30.0	+0.3
O50A	Galbe	56.24 350	P	P	13 35 28.4	-1.4
R41A	Rosebud	56.32 342	P	P	13 35 29.1	-1.2
Q49A	Covington	56.41 349	P	P	13 35 29.1	-1.9
Q43A	New Douglas	56.44 344	P	P	13 35 29.8	-1.4
P45A	Graceland, Par	56.50 346	eP	P	13 35 29.6	-2.0
P45A	Graceland, Par	56.50 346	P	P	13 35 29.9	-1.7
N54A	Moraine State	56.51 353	P	P	13 35 31.6	-0.1
MNTX	Cornudas Mount	56.55 326	eP	P	13 35 31.6	-0.6
MNTX	Cornudas Mount	56.55 326	P	P	13 35 31.6	-0.6
N52A	McClain's Farm,	56.59 351	P	P	13 35 31.0	-1.2
Q48A	Farmland	56.63 348	P	P	13 35 31.0	-1.5
Q42A	Golden Eagle	56.64 343	P	P	13 35 31.7	-1.0
P44A	Sand Creek, Wi	56.66 345	P	P	13 35 31.2	-1.6
N50A	Nevada	56.77 350	P	P	13 35 32.0	-1.5
O47A	Sheridan	56.82 347	P	P	13 35 32.1	-1.8
Q41A	Truxton	56.88 342	P	P	13 35 33.3	-1.0
M55A	Ridgway	56.88 354	P	P	13 35 33.7	-0.6
M54A	Oil Creek Stat	57.02 353	P	P	13 35 34.4	-0.9
MSTX	Muleshoe	57.02 330	eP	P	13 35 34.8	-0.7
MSTX	Muleshoe	57.02 330	P	P	13 35 34.9	-0.7
P43A	Skaggs, Pawnee	57.05 344	P	P	13 35 34.1	-1.4
M53A	W J Miller and	57.07 353	P	P	13 35 34.9	-0.7
N49A	Columbus Grove	57.10 349	eP	P	13 35 33.6	-2.2
N49A	Columbus Grove	57.10 349	P	P	13 35 34.1	-1.7
SFIN	Lafayette	57.16 347	P	P	13 35 34.2	-2.0
M51A	Elyria	57.17 351	P	P	13 35 34.3	-2.0
O45A	Potomac	57.18 346	P	P	13 35 34.2	-2.2
N48A	Decatur	57.19 349	P	P	13 35 34.	

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like D46A Sault St. Mari, E43A Lone Tree Farm, ECSD EROS Data Cent, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SCHQ Schefferville, HLID Hailey, PAHR Pah Rah Range, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OFUJ Ofunato, JIKH Ishinomakikobu, JIKM Kesennumototy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CTA Charters Tower, WRA Waramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like OFUJ Ofunato, JIKH Ishinomakikobu, JIKM Kesennumototy, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like TTSI Tana Toraja, APSI Ampana, APSI Palu, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like PNIG Pinotepa, PNIG Pinig, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JHHJ Haha-jima-NKT, JHJH Chichi jima, CBJJ Chichi jima, etc.

ICD 20 13:33:44.2±0.0, 5°26'S×151°13'E, h221km±178km, mb3.2/3, mb1 3.4/4, mb1mx3/0.31, mbtmp3.8/4, Error







Table with columns: WMO, comp, MKAR, MKAR, PETK, ZALV, H11N1, H11N2, H11N3, H11S3, H11S1, H11S2, KURK, KURBB, WRA, ASAR, ASAR, NRK, NRK, NRK, STKA, KDAK, ILAR, FINES, BRTR, YKA, GERES, NVAR. Includes station names, coordinates, and various parameters.

ISCJB 20 15:31:10.5,0.8,55.2S,0.1x28.5W,0.2,h10km,mb4.0/4, Error ellipse: s-maj=19.2km s-min=14.1km az=31.9

NEIC 20 15:31:12.7,0.4,55.13S,28.59W,h10km,mb4.6/2, Error ellipse: s-maj=42.6km s-min=26.5km az=67.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like HOPE, EPI, SNA, QSPA, CPUP, CPUP, LPAZ, LPAZ, TOR, TOA, IL, IL, ILB, SONA, SONM.

IDC 20 16:00:35.2,0.5,02S,153.02E,h0km,mb3.6/7, mb1 3.9/7, mb1mx3.3/3.5, mb1tmp3.6/7, Error ellipse: s-maj=65.5km s-min=25.3km az=120.0, New Ireland region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like WRA, ASAR, FITZ, CMAR, MKAR, ZALV, ILAR, TOR.

JMA 20 16:02:41.0,0.1,23.19N,121.58E,h0km,mb3.3, Error ellipse: s-maj=3.1km s-min=2.5km az=41.3

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like CHKT, TWFI, TWFI, YULB, YULB, HGSD, EHY, EHY, ELDTW, ELDTW, EGFH, TWGB, TWGB, TWG, TWG, TTN, YUS, YUS, ESL.

Main table with columns: WVD, WVD, STYT, STYT, ENLB, ENLB, SSSL, SSSL, WHYT, WHYT, HWA, HWA, ECL, ECL, TPUB, TPUB, OWD, OWD, SLGT, SLGT, WTP, WTP, CHN4, CHN4, CHN5, CHN5, SGST, SGST, SMLT, SMLT, TWD, TWD, CHN1, CHN1, CHYB, CHYB, YGTC, YGTC, SNST, SNST, SNST, SNST, TSK, TSK, TWD, TWD, WJWS, WJWS, WHF, WHF, NACB, NACB, WGK, WGK, WGT, WGT, CHN2, CHN2, CHN2, CHN2, WDLH, WDLH, WDLH, WDLH, WNT, WNT, WNT, WNT, EAST, EAST, CHY, CHY, SGLT, SGLT, CHN3, CHN3, TWMT, TWMT, TWT, TWT, TDCB, TDCB, SSPT, SSPT, SNJT, SNJT, SNJT, SNJT, LAY, LAY, WHP, WHP, CHN8, CHN8, SCLT, SCLT, TCU, TCU, WCHH, WCHH, NNSB, NNSB, NNS, NNS, WSF, WSF, WSF, WSF, RLNB, RLNB, ENA, ENA, NANS, NANS, TWCT, TWCT, TWQ1, TWQ1, WLCB, WLCB, TWP, TWP, NSY, NSY, NSY, NSY.

Table with columns: WDJ, NDT, TWK1, TWK1, TWKBT, TWKBT, PTBS, PTBS, ENT, ENT, TWC, TWC, YHNB, YHNB, EOST, EOST, NMLH, NMLH, NSK, NSK, NSTT, NSTT, LIOB, LIOB, TWE, TWE, NWLT, NWLT, WLBT, WLBT, WDTG, WDTG, PHUB, PHUB, TIPB, TIPB, PNG, PNG, TWS1, TWS1, VCHM, VCHM, YMO1, YMO1, HATJ, HATJ, IRIF, IRIF, JKRS, JKRS, JWUC, JWUC, JIJ, JIJ, JIJ, JIJ, JISG, JISG, KNM, KNM, KNMB, KNMB, MATB, MATB, JTJ, JTJ, JIRB, JIRB.

NIC 20 16:07:57.4,0.2,34.65N,33.19E,h10km,ML2.7, Error ellipse: s-maj=9.0km s-min=7.0km az=72.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like SZAC, SZAC, CSS, CSS, CSS, CSS, AKIN, AKIN, MAMC, MAMC, LEF, LEF, LFK, LFK, AKDN, AKDN, ALFC, ALFC, ALFC, ALFC, TEKE, TEKE, IKL, IKL, TEVE, TEVE, MMLI, MMLI.

IDC 20 16:14:54.8,1.3,37.00N,69.16E,h0km,mb3.5/5, mb1 3.7/8, mb1mx3.5/6.4, mb1tmp3.8/3.9, ML2.9/3, MS2.9/2, Ms1 2.9/2, ms1mx2.3/3.8, Error ellipse: s-maj=22.9km s-min=19.8km az=137.0

ISCJB 20 16:14:56.6,0.6,37.01N,0.04,69.01E,0.07,h37km, mb3.4/4, MS3.2/1, Error ellipse: s-maj=8.4km s-min=5.5km az=155.8

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Lists stations like AML, UCH, EKSZ, KZA, AAK, AAK, AAK, KBK, CHMS, USP, ULHL, TKM2, GEYT, GEYT, GEYT, MKAR, PYUN, DANN, KOLN, AKTO, AKTO, BVAR, KKN, PKIN, PKI, GUN.











Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like LACR Lac, LAGD Lagodekhi, DLMR Dylm, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like QUBA Quba, Azerbaijan, QMLB Ismayilli, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like AKT Akhty, AKT Akhty, AKT Akhty, etc.

Table with columns: Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like AKT Akhty, AKT Akhty, AKT Akhty, etc.

NORS 20 18:38:09.6, 0.0, 42.58N, 45.51E, h14km, MPVA4.5
MOS 20 18:38:10.5, 0.0, 42.60N, 45.53E, h20km, MPVA4.5
TIF 20 18:38:10.8, 42.68N, 45.50E, h22km

MOS 20 18:38:11.6, 0.1, 42.66N, 45.58E, h10km, mb4.0/3, Error ellipse: s-maj=7.4km, s-min=5.2km, az=40.0
ISCJB 20 18:38:12.8, 0.3, 42.58N, 0.02, 45.56E, 0.02, h17km, 4km, mb3.4/3, Error ellipse: s-maj=3.8km, s-min=2.6km, az=13.2

ISC 20 18:38:11.6, 1.0, 42.58N, 0.02, 45.50E, 0.01, h5km, 8km, n75, s092/123, mb3.5/3, 8C-6D, Eastern Caucasus

Table with columns: Code, Station Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like BTLR Botlikh, DVE Vedeno, GROC Groznyy, etc.

AB31 Akbulak array 12.06 51 P Pn 18 41 03.8 -0.1
AB31 Akbulak array 12.06 51 P Pn 18 41 03.8 -0.1
ABN Obninsk 13.84 338f P Pn 18 41 28.7 +0.6

AB31 Akbulak array 12.06 51 P Pn 18 41 03.8 -0.1
ABN Obninsk 13.84 338f P Pn 18 41 28.7 +0.6
OBN OBN pmax pmax 18 44 06.7 +4.7

OBN OBN pmax pmax 18 44 06.7 +4.7
OBN OBN pmax pmax 18 44 06.7 +4.7
OBN OBN pmax pmax 18 44 06.7 +4.7

BRVK Borovoye 19.56 49 P Pn 18 42 27.5 0.0
AAK Ala-Archa 21.30 80f P P 18 42 44.6 -0.8

KURK Kurchatov 23.98 59f P P 18 43 24.5 -2.3
DGZ Jazattor, Alta 29.60 61f P P 18 44 15.5 -2.0

IDC 20 18:48:52.0, 1.6, 7.25S, 123.53E, h0km, mb3.2/1, mb1 3.2/4, mb1mx3.1/4, mbtm3.1/4, ML2.5/3, Error ellipse: s-maj=100.5km, s-min=24.7km, az=66.0, Banda Sea

BATI Baumata 2.94 177 Pn 18 49 40.8 +0.7
WRA Warramunga Arr 16.40 141 Pn 18 52 44.5 +0.7

ASAR Akai Springs 19.12 150 P P 18 53 15.9 -0.9
MKR Malakanchi Array 65.08 330 P P 18 59 34.5 0.0

IDC 20 18:50:21.3, 60.0, 20.76S, 177.65W, h0km, mb4.3/3, mb1 4.5/3, mb1mx3.8/3, mbtm3.4/3, MS3.2/1, M1s1 3.2/1, ms1mx2.6/2, Error ellipse: s-maj=1092.0km, s-min=152.2km, az=83.0, Fiji Islands region

HNR Honiara 24.35 294 LR LR 19 05 52.8
STKA Stephens Creek 37.97 245 P P 18 57 40.8 -0.3

ASAR Akai Springs 44.78 257 P P 18 58 36.8 -0.3
WRA Warramunga Arr 44.89 262 P P 18 58 38.2 +0.2

NIED 20 18:54:00.4, 1.6, 60N, 142.20E, h44km, Mw3.8 Best double couple: Ma: 6.027000x10^14 NP1: 39.00000, 831.00000, 7.101.00000, NP2: 30.00000, 859.00000, 1.863.00000
IDC 20 18:54:37.6, 1.1, 41.43N, 141.87E, h0km, mb3.5/6, mb1 3.9/8, mb1mx3.6/49, mbtm3.6/8, ML3.3/2, MS3.0/3, M1s1 3.0/3, ms1mx2.6/43, Error ellipse: s-maj=46.8km, s-min=20.6km, az=104.0

ISCJB 20 18:54:44.5, 0.4, 41.57N, 0.03, 142.16E, 0.04, h53km, 5km, az=35.8
JMA 20 18:54:44.2, 0.1, 41.56N, 142.18E, h52km, 3km, M3.6 JMA Felt J1

ISC 20 18:54:44.9, 0.1, 41.57N, 0.03, 142.16E, 0.04, h44km, 11km, n36, s096/49, mb3.4/7, 2C-5D, Hokkaido region

JAHJ Amorihigashid 0.69 244 P Pn 18 55 58.3 +0.0
JARK Amoriorokkasho 0.82 227 P Pn 18 54 59.8 -0.3

JNBK Urakawa-nobuka 0.84 32 P Pn 18 54 59.2 -1.1
JOT Joto 0.86 258 P Pn 18 55 04.0 +0.2

JEM Ehima 0.87 59 P Pn 18 55 00.3 -0.4
JSHD Hidakashinhida 0.87 15 P Pn 18 55 12.1 -0.2

JKB Kayabe 0.90 291 P Pn 18 55 00.5 -0.7
JIAM Iburiatsuma 1.07 350 P Pn 18 55 03.9 +0.4

JTM Tenmabayashi 1.14 227 P Pn 18 55 04.7 +0.3
JBT2 Biratori 2 1.22 7 P Pn 18 55 05.1 -0.4

JNB Noboribetsu 1.23 317 P Pn 18 55 04.9 -0.8
JANG Nango 1.29 203 P Pn 18 55 06.1 -0.4

JSR Shiruichi 1.31 269 P Pn 18 55 07.1 +0.4
JCH Churui 1.38 40 P Pn 18 55 07.8 +0.1

JEW Yakuwo 2 1.45 293 P Pn 18 55 25.3 +0.6
JEM Erimo 1.45 293 P Pn 18 55 25.4 +0.7

JFM Furan 1.63 11 P Pn 18 55 10.7 -0.4
JISS Ishikarishitsu 1.79 342 P Pn 18 55 30.5 -0.4

JAH Hinai 1.80 221 P Pn 18 55 14.7 +1.2
JAH Hinai 1.80 221 P Pn 18 55 14.7 +1.2

JOB Obninsk 1.82 42 P Pn 18 55 15.2 +1.4
ASAJ Asahikawa 2.57 7 Pn 18 55 14.3 +0.0



1563

Table with columns: Call Sign, Name, Frequency, Power, Mode, SNR, Azimuth, Elevation, and other parameters. Includes stations like ELB Eielson Array, KBL Kabul, HYB Hyderabad, etc.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Power, Mode, SNR, Azimuth, Elevation, and other parameters. Includes stations like BUR08 Bucovina Ar. S, BUR04 Bucovina Ar. S, BMO Blue Mountains, etc.

20d 18h

Table with columns: Call Sign, Name, Frequency, Power, Mode, SNR, Azimuth, Elevation, and other parameters. Includes stations like WTTA Wattenberg, ULM Lac du Bonnet, ULM Lac du Bonnet, etc.

ISCJB 20 18:56:32.9, 1.8, 36.222N, 0.07, 70.7E, 0.2, h50km, Error ellipse: s-maj=26.6km s-min=7.14km az=167.1 NNC 20 18:56:42.3, 7.0, 37.16N, 70.31E, h0km, mb3.5, mpv3.1, Error ellipse: s-maj=53.5km s-min=45.5km az=169.0 ISC 20 18:56:33.2, 2.3, 36.29N, 0.10, 70.5E, 0.2, h50km, n12, az=170/16, 8D, Hindu Kush region







ROM 20 21:15.35.8.0.1,44.036N.0.005:11.701E:0.006, h6km,ML2.3/22  
 ISCJB 20 21:15.36.3.0.3,44.02N.0.02:11.71E:0.02, h8km,2km, Error ellipse: s-maj=3.4km s-min=2.2km az=28.8  
 LDG 20 21:15.37.0.2.44.00N:11.66E:h10km,ML2.5/20, Error ellipse: s-maj=4.1km s-min=2.9km az=58.0  
 ISC 20 21:15.36.6.0.8,43.99N.0.02:11.64E:0.02,h16km,5km, n65.4240/103, Central Italy

Code	Station Name	Δ° AZ'	Phase ID	Op	ISC	Time	Res
						h m s	ISC
BRIS	BRISIGHELLA	0.18 329	P	Pg		21 15 40.2	-0.9
BRIS			S	Sg		21 15 44.1	-0.1
SEI	Scarperia	0.21 286	P	Pg		21 15 41.1	-0.6
SEI			S	Sg		21 15 45.5	+0.4
SEI	comp=E,5360μm,1.1s			AML	AML		
SEI	comp=N,17650μm,0.2s			AML	AML		
SEI	comp=E,5360μm,1.1s			AML	AML		
SEI	comp=N,17650μm,0.2s			AML	AML		
SEI	comp=E,5360μm,1.1s			AML	AML		
SEI	comp=N,17650μm,0.2s			AML	AML		
SEI	comp=E,5360μm,1.1s			AML	AML		
ASQU	Asqua	0.22 152	P	Pg		21 15 41.4	-0.5
ASQU			S	Sg		21 15 46.1	+0.7
ASQU	comp=E,2845μm,0.2s			AML	AML		
ASQU	comp=N,4535μm,0.2s			AML	AML		
ASQU	comp=E,2845μm,0.2s			AML	AML		
ASQU	comp=N,4535μm,0.2s			AML	AML		
ASQU	comp=E,2845μm,0.2s			AML	AML		
ASQU	comp=N,4535μm,0.2s			AML	AML		
ASQU	comp=E,2845μm,0.2s			AML	AML		
ASQU	comp=N,4535μm,0.2s			AML	AML		
IMOL	Imola, Italy	0.37 11	P	Pg		21 15 43.3	-1.0
IMOL			S	Sg			
IMOL	comp=E,5275μm,0.3s			AML	AML		
IMOL	comp=N,3095μm,0.7s			AML	AML		
IMOL	comp=E,698μm,0.3s			AML	AML		
IMOL	comp=N,454μm,0.3s			AML	AML		
IMOL	comp=E,5275μm,0.3s			AML	AML		
IMOL	comp=N,3100μm,0.7s			AML	AML		
IMOL	comp=E,697μm,0.3s			AML	AML		
IMOL	comp=N,455μm,0.3s			AML	AML		
IMOL	comp=N,455μm,0.3s			AML	AML		
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IMOL	comp=E,697μm,0.3s			AML	AML		
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IMOL	comp=N,3100μm,0.7s			AML	AML		
IMOL	comp=E,697μm,0.3s			AML	AML		
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IMOL	comp=N,3100μm,0.7s			AML	AML		
IMOL	comp=E,697μm,0.3s			AML	AML		
IMOL	comp=N,455μm,0.3s			AML	AML	</	





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OGNE	comp=Z,4um,20.0s	LR	LR		
OGNE	Ogallala baz=184	22.36	4 P	P	21 28 05.3 -0.4
PAGB	Antelope Grade comp=Z,174nm,1.2s	22.39 323	eP	P	21 28 07.9 +1.9
PAGB	comp=Z,6um,18.0s		LR	LR	
TIGA	Tifton comp=Z,555nm,1.4s	22.39 51	eP	P	21 28 03.4 -2.6
TIGA	Tifton	22.39 51	P	P	21 28 04.2 -1.8
MPU	Maple Canyon comp=Z,77nm,1.1s	22.39 344	eP	P	21 28 07.8 +1.6
MPU	comp=Z,4um,19.0s		LR	LR	
NLU	North Lily Min comp=Z,116nm,1.7s	22.45 343	eP	P	21 28 08.3 +1.5
NLU	comp=Z,5um,20.0s		LR	LR	
757A	Oxford baz=247	22.46 59	P	P	21 28 04.8 -2.0
455A	Stateville baz=242,SNR=17	22.48 53	P	P	21 28 04.5 -2.4
S43A	Fulton Ridge, baz=216	22.48 30	P	P	21 28 05.3 -1.6
061Z	Ochoppi	22.48 67	PFAKE	LR	21 28 20.0 +1.3
061Z	comp=Z,4um,21.0s		LR	LR	
061Z	Ochoppi baz=256	22.48 67	P	P	21 28 06.5 -0.5
V47A	Nunnally baz=224,SNR=39	22.48 37	P	P	21 28 04.9 -2.1
R41A	Rosebud baz=212,SNR=14	22.49 26	P	P	21 28 05.3 -1.8
U46A	Springville baz=222	22.51 35	P	P	21 28 04.6 -2.6
WVT	Waverly comp=Z,55nm,1.0s	22.53 36	eP	P	21 28 05.2 -2.2
WVT	Waverly	22.53 36	eP	Pmax	21 28 05.2 -2.2
WVT	comp=Z,55nm,1.0s		Pmax	Pmax	
WVT	Waverly baz=223	22.53 36	P	P	21 28 05.3 -2.2
059A	Moore Haven comp=Z,176nm,1.1s	22.57 64	eP	P	21 28 05.9 -2.1
059A	Moore Haven baz=253	22.57 64	P	P	21 28 06.1 -1.8
556A	Lake Butler baz=244	22.62 56	P	P	21 28 06.9 -1.6
FVM	French Village comp=Z,71nm,1.1s	22.65 29	eP	P	21 28 06.7 -2.1
FVM	comp=Z,4um,22.0s		LR	LR	
FVM	French Village	22.65 29	eP	Pmax	21 28 06.7 -2.1
FVM	comp=Z,71nm,1.1s		Pmax	Pmax	
FVM			MLR	MLR	
DWPF	Disney Wildern comp=Z,161nm,1.0s	22.69 61	eP	P	21 28 06.7 -2.5
DWPF	Disney Wildern baz=250	22.69 61	eS	S	21 32 19.6 +4.3
DWPF	Disney Wildern Fort Payne	22.69 42	P	P	21 28 07.9 -1.3
X50B	Fort Payne baz=230,SNR=6.7	22.69 42	P	P	21 28 07.1 -2.1
PHWY	Pilot Hill comp=Z,57nm,1.4s	22.70 357	eP	P	21 28 09.2 -0.3
PHWY	comp=Z,7um,19.0s		LR	LR	
Y51A	Rockmart baz=232,SNR=15	22.72 44	P	P	21 28 07.6 -1.9
R42A	Luebbering baz=213	22.73 28	P	P	21 28 07.6 -2.0
W49A	Belvidere baz=228,SNR=14	22.74 40	P	P	21 28 07.8 -1.8
Z52A	Williamson baz=234,SNR=33	22.74 46	P	P	21 28 07.9 -1.8
T45A	Paducah comp=Z,97nm,1.0s	22.75 33	eP	P	21 28 07.0 -2.8
T45A	comp=Z,5um,20.0s		LR	LR	
T45A	Paducah baz=220	22.75 33	P	P	21 28 07.8 -2.0
858A	St. Cloud baz=250	22.78 31	P	P	21 28 07.5 -2.7
V48A	Smith Brothers comp=Z,52nm,1.1s	22.83 38	eP	P	21 28 08.0 -2.6
V48A	Smith Brothers baz=236	22.83 38	eP	P	21 32 00.7 -0.4
V48A	Smith Brothers Fort Valley	22.85 48	P	P	21 28 08.3 -2.3
153A	Fort Valley baz=236	22.85 48	P	P	21 28 08.4 -2.5
254A	Abbeville baz=239,SNR=36	22.86 50	P	P	21 28 08.6 -2.5
657A	Interlachen baz=246	22.88 57	P	P	21 28 09.3 -1.9
DUG	Dugway, Tooele comp=Z,165nm,1.5s	22.88 342	eP	P	21 28 10.0 -1.3
DUG	comp=Z,7um,19.0s		LR	LR	
DUG	Dugway, Tooele	22.88 342	eP	Pmax	21 28 10.0 -1.3
DUG	comp=Z,165nm,1.5s		Pmax	Pmax	
DUG	comp=Z,7um,19.0s		MLR	MLR	
DUG	Dugway, Tooele baz=157,SNR=26	22.88 342	P	P	21 28 12.6 +1.3
355A	Pearsontown baz=241	22.89 52	P	P	21 28 09.3 -2.0
JLU	Jordanella comp=Z,21nm,1.0s	22.90 345	eP	P	21 28 12.0 +0.4
JLU	comp=Z,16um,18.0s		LR	LR	
959A	Okechobee baz=252	22.96 63	P	P	21 28 09.2 -2.8
S44A	Carbondale baz=217	22.97 31	P	P	21 28 09.6 -2.5
SWET	Sewanee comp=Z,218nm,1.8s	23.00 40	eP	P	21 28 10.4 -2.1
SWET	Sewanee	23.00 40	eP	P	21 31 54.8 -6.7
SIUC	Southern Illin comp=Z,57nm,1.0s	23.00 31	eP	P	21 28 09.7 -2.7
SIUC	comp=Z,2um,19.0s		LR	LR	
MLAC	Mammoth, Mammoth baz=141,SNR=24	23.05 329	P	P	21 28 15.6 +2.4
U47A	Clarksville baz=223,SNR=11	23.06 35	P	P	21 28 10.5 -2.5
CTU	Camp Tracy comp=Z,32nm,0.9s	23.06 345	eP	P	21 28 14.0 +0.9
CTU	comp=Z,11um,18.0s		LR	LR	
Q41A	Truxton baz=212,SNR=18	23.11 26	P	P	21 28 11.7 -1.8
859A	Kemper Cattle baz=250	23.11 62	P	P	21 28 12.4 -1.2
R43A	Red Bud baz=215	23.12 29	P	P	21 28 11.9 -1.7
OMMB	Old Mammoth Mi comp=Z,93nm,1.1s	23.12 328	eP	P	21 28 16.0 +2.0
OMMB	comp=Z,4um,19.0s		LR	LR	
557A	Orange Park baz=245	23.16 56	P	P	21 28 11.7 -2.3
T46A	Princeton baz=221	23.16 34	P	P	21 28 12.4 -1.6
MDPB	Devils Postpil comp=Z,150nm,1.1s	23.18 328	eP	P	21 28 16.7 +2.2
MDPB	comp=Z,4um,18.0s		LR	LR	
758A	Lake Helen baz=248	23.18 59	P	P	21 28 12.7 -1.5
RWWY	Rawlins comp=Z,87nm,1.3s	23.22 354	eP	P	21 28 14.9 +0.1
RWWY	comp=Z,30um,20.0s		LR	LR	
456A	Hilliard baz=243	23.24 54	P	P	21 28 13.0 -1.8
060A	Indiantown baz=253	23.26 64	P	P	21 28 13.6 -1.5
X51A	Calhoun comp=Z,167nm,1.3s	23.27 43	eP	P	21 28 13.4 -1.7
X51A	Calhoun baz=231	23.27 43	P	P	21 28 13.0 -2.1
SLM	Saint Louis comp=Z,115nm,0.9s	23.27 28	eP	P	21 28 13.4 -1.7

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SLM	comp=Z,3um,22.0s	LR	LR		
SLM	Saint Louis	23.27 28	eP	Pmax	21 28 13.4 -1.7
SLM	comp=Z,115nm,0.9s		Pmax	Pmax	
SLM	comp=Z,3um,22.0s		MLR	MLR	
S45A	Carrier Mills baz=219,SNR=11	23.29 32	P	P	21 28 14.0 -1.3
BGNE	Belgrade comp=Z,417nm,1.5s	23.30 11	eP	P	21 28 15.2 -0.1
BGNE	comp=Z,3um,19.0s		LR	LR	
BGNE	Belgrade baz=193	23.30 11	P	P	21 28 14.8 -0.5
658A	Bunnell baz=247	23.30 58	P	P	21 28 13.5 -2.0
154A	Montrose comp=Z,339nm,0.9s	23.34 49	eP	P	21 28 13.6 -2.3
154A	Montrose baz=238,SNR=19	23.34 49	P	P	21 28 13.6 -2.3
NV11	Minna Array Sit comp=Z,139nm,1.0s	23.36 331	eP	P	21 28 18.1 +1.9
NV11	comp=Z,500nm,18.0s		LR	LR	
Q42A	Golden Eagle baz=213	23.37 27	P	P	21 28 14.1 -1.9
Y52A	Libburn comp=Z,301nm,1.7s	23.37 45	eP	P	21 28 14.1 -2.0
Y52A	Libburn baz=234,SNR=19	23.37 45	P	P	21 28 14.0 -2.0
Z53A	Nicolet baz=236,SNR=8.9	23.37 47	P	P	21 28 13.6 -2.5
W50A	Signal Mountai comp=Z,58nm,0.9s	23.38 41	eP	P	21 28 14.2 -2.1
W50A	Signal Mountai baz=229,SNR=12	23.38 41	eSn	Sn	21 33 05.3 +1.8
W50A	Signal Mountai comp=Z,52nm,0.9s	23.38 41	eP	P	21 28 14.1 -2.1
TCUT	Toone Canyon comp=Z,12um,18.0s	23.38 346	eP	P	21 28 16.9 +0.5
TCUT	comp=Z,12um,18.0s		LR	LR	
V49A	McMinnville baz=227,SNR=7.6	23.39 39	P	P	21 28 13.9 -2.4
356A	Blackshear baz=242	23.43 53	P	P	21 28 13.9 -2.8
NV01	Minna Array Sit baz=243,SNR=11	23.43 331	eP	P	21 28 18.2 +1.3
NVAR	Minna Array Bay comp=Z,63nm,0.9s,baz=152,slow=11,SNR=185	23.43 331	P	P	21 28 19.1 +2.2
NVAR	comp=Z,2.5nm,0.7s,baz=145,slow=3.3,SNR=42		PcP	PcP	21 32 03.5 +0.9
NVAR	comp=Z,0.3nm,0.3s,baz=348,slow=16,SNR=1.9		Lg	Lg	21 35 37.4
NVAR	comp=Z,6um,18.8s,baz=146,slow=37		LR	LR	21 37 38.7
255A	Hazlehurst comp=Z,130nm,0.9s	23.45 51	eP	P	21 28 13.9 -3.1
255A	Hazlehurst baz=242	23.45 51	P	P	21 28 14.5 -2.5
R44A	Waltonville baz=217,SNR=18	23.49 30	P	P	21 28 15.7 -1.5
GOGA	Godfrey comp=Z,213nm,1.5s	23.52 47	eP	P	21 28 15.4 -2.1
GOGA	Godfrey	23.52 47	eP	Pmax	21 28 15.4 -2.1
GOGA	comp=Z,213nm,1.5s		Pmax	Pmax	
GOGA	Godfrey baz=236,SNR=23	23.52 47	P	P	21 28 15.4 -2.1
U48A	Cassie Pea, Po baz=225,SNR=8.2	23.53 37	P	P	21 28 15.5 -2.2
T47A	Sharon Grove comp=Z,74nm,0.9s	23.55 35	eP	P	21 28 14.4 -3.5
T47A	comp=Z,1um,19.0s		LR	LR	
T47A	Sharon Grove baz=223,SNR=13	23.55 35	P	P	21 28 16.2 -1.7
457A	Yulee baz=244	23.55 55	P	P	21 28 15.1 -2.8
BGU	Big Grassy Mou comp=Z,41nm,0.9s	23.62 343	eP	P	21 28 18.1 -0.6
BGU	comp=Z,9um,18.0s		LR	LR	
Y53A	Monroe baz=235,SNR=10	23.69 46	P	P	21 28 17.1 -2.1
RYN	Ryan comp=Z,139nm,1.2s	23.69 331	eP	P	21 28 21.3 +1.9
RYN	comp=Z,7um,18.0s		LR	LR	
W51A	Cleveland baz=230	23.70 42	P	P	21 28 17.0 -2.3
S46A	Don Dixon Farm baz=211,SNR=20	23.74 33	P	P	21 28 17.7 -1.9
Q43A	New Douglas baz=215,SNR=9.3	23.76 28	P	P	21 28 18.5 -1.3
P41A	Barry, Barry comp=Z,11um,18.1s,baz=173,slow=8.2,SNR=67	23.79 25	P	P	21 28 18.4 -1.7
SAO	San Andreas Ge comp=Z,81nm,1.1s	23.80 323	eP	P	21 28 21.5 +1.3
SAO	comp=Z,6um,22.0s		LR	LR	
SAO	San Andreas Ge	23.80 323	eP	Pmax	21 28 21.5 +1.3
SAO	comp=Z,81nm,1.1s		Pmax	Pmax	
SAO	comp=Z,6um,22.0s		MLR	MLR	
155A	Kite baz=239,SNR=20	23.81 50	P	P	21 28 17.9 -2.4
V50A	Pikeville baz=229,SNR=24	23.82 41	P	P	21 28 18.6 -1.8
SPUT	South Promonto comp=Z,160nm,1.5s	23.82 344	PFAKE	LR	21 28 30.0 +9.5
SPUT	comp=Z,6um,20.0s		LR	LR	
KVN	Kaiserville comp=Z,105nm,1.0s	23.84 332	eP	P	21 28 22.8 +2.0
KVN	comp=Z,6um,20.0s		LR	LR	
Z54A	Sparta baz=237,SNR=12	23.86 48	P	P	21 28 18.5 -2.3
HWUT	Hardware Ranch comp=Z,32nm,0.9s	23.88 346	eP	P	21 28 21.4 +0.8
HWUT	comp=Z,10um,18.0s		LR	LR	
256A	Glennville baz=241,SNR=10.0	23.92 52	P	P	21 28 18.8 -2.5
R45A	Skyler, Fairfri baz=219,SNR=17	23.92 32	P	P	21 28 19.8 -1.5
X52A	Dalhousie baz=233,SNR=44	23.92 44	P	P	21 28 19.6 -1.8
357A	Townsend baz=243	23.96 53	P	P	21 28 19.7 -2.1
U49A	Red Boiling Sp comp=Z,159nm,1.0s	23.97 38	P	P	21 28 19.8 -2.0
USIN	University of comp=Z,136nm,0.9s	23.98 33	eP	P	21 28 20.8 -1.1
USIN	comp=Z,6um,19.0s		LR	LR	
P42A	Winchester comp=Z,48nm,1.0s	24.01 26	eP	P	21 28 19.7 -2.4
P42A	comp=Z,2um,20.0s		LR	LR	
P					

20d 21h

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like M39A Webster, PAHR Pah Rah Range, SCIA State Center, etc.

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Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like KMSC Kings Mountain, N44A Piper City, GDXM Geysers, etc.

1570

Table with columns: Station ID, Name, Frequency, Power, Modulation, and Signal Quality. Includes stations like WDC Whiskeytown Da, N47A Urbana, GTBY Guantanamo Bay, etc.

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P53A	comp=Z,2um,22.0s	LR	LR				
P53A	Whipple baz=229	28.53	38	P	P	21 29 01.2	-1.7
H41A	Junction City	28.58	22	PFAKE	LR	21 29 20.0	+1.7
H41A	comp=Z,2um,22.0s						
I07A	Izee	28.61	336	eP	P	21 29 03.5	-0.3
I07A	comp=Z,7.8nm,0.9s						
I07A	comp=Z,4um,19.0s						
J05D	Fort Rock, OR baz=144,SNR=21	28.66	333	P	P	21 29 05.7	+1.4
G39A	Holcombe baz=205	28.68	19	P	P	21 29 02.7	-1.5
O52A	Adamsville	28.69	37	PFAKE	LR	21 29 20.0	+1.6
O52A	comp=Z,10um,21.0s						
HRV	Holler Researc	28.82	349	eP	P	21 29 04.7	-0.9
HRV	comp=Z,2um,22.0s						
J45A	Montague	28.86	27	P	P	21 29 14.8	0.0
L02E	Cave Junction baz=139	28.87	329	P	P	21 29 07.2	+1.2
K47A	Vermontville baz=219	28.89	30	P	P	21 29 04.8	-1.3
H42A	Shiocton	28.89	23	PFAKE	LR	21 29 20.0	+1.4
H42A	comp=Z,24um,18.0s						
H42A	Shiocton	28.89	23	P	P	21 29 05.6	-0.5
HUMO	Hull Mountain comp=Z,15nm,1.2s	28.90	330	eP	P	21 29 05.8	+0.6
HUMO	comp=Z,1.7um,18.0s						
M50A	Fremont	28.92	34	PFAKE	LR	21 29 20.0	+1.4
M50A	comp=Z,2um,22.0s						
M50A	Fremont	28.92	34	P	P	21 29 04.6	-1.7
PINE	Pine Mountain comp=Z,21nm,1.1s	28.95	334	eP	P	21 29 05.2	-1.6
PINE	comp=Z,7um,22.0s						
G40A	Rib Lake	28.97	20	PFAKE	LR	21 29 20.0	+1.3
G40A	comp=Z,4um,18.0s						
J04D	Umpqua Nation baz=142,SNR=18	29.01	332	P	P	21 29 08.7	+1.3
L49A	Milan baz=222	29.06	32	P	P	21 29 06.1	-1.5
F38A	Pierce - Schro	29.08	17	P	P	21 29 06.1	-1.7
O53A	New Philadelph baz=228	29.13	37	P	P	21 29 06.8	-1.5
H43A	Windswept, Lux H43A	29.15	24	PFAKE	LR	21 29 20.0	+1.2
H43A	comp=Z,18um,18.0s						
H43A	Windswept, Lux baz=212	29.15	24	P	P	21 29 06.7	-1.7
AAM	Ann Arbor	29.26	32	PFAKE	LR	21 29 20.0	+1.1
AAM	comp=Z,2um,22.0s						
AAM	Ann Arbor baz=222	29.26	32	P	P	21 29 07.7	-1.7
K02D	Willamette Mer baz=139	29.31	329	P	P	21 29 11.6	+1.7
F39A	Loretta baz=205	29.32	19	P	P	21 29 08.2	-1.7
M50	Missoula comp=Z,22nm,1.2s	29.37	346	eP	P	21 29 10.2	-0.2
M50	comp=Z,13um,18.0s						
M50	Missoula baz=160,SNR=7.3	29.37	346	eP	P	21 29 11.2	+0.7
MDND	Maddock	29.42	6	PFAKE	LR	21 29 20.0	+9.3
MDND	comp=Z,30um,18.0s						
G08A	Pilot Rock comp=Z,44nm,1.0s	29.45	338	eP	P	21 29 12.1	+0.9
G08A	comp=Z,2um,21.0s						
F10A	Beach Ranch, E comp=Z,96nm,1.0s	29.47	341	eP	P	21 29 11.8	+0.5
F10A	comp=Z,4um,20.0s						
L50A	Kingsville baz=224	29.50	33	P	P	21 29 09.7	-1.8
I05D	Terrebonne, OR baz=145,SNR=14	29.56	334	P	P	21 29 13.2	+1.1
G42A	Mountain G42A	29.56	22	PFAKE	LR	21 29 20.0	+8.0
MCWV	Mont Chateau	29.56	40	PFAKE	LR	21 29 20.0	+7.9
MCWV	comp=Z,80nm,21.0s						
F40A	Park Falls baz=207,SNR=7.2	29.57	20	P	P	21 29 10.4	-1.8
I04A	Tendick Farm, baz=142	29.58	332	P	P	21 29 13.2	+0.9
K49A	Clarkson baz=222	29.71	31	P	P	21 29 11.9	-1.5
F41A	Three Lakes F41A	29.75	21	PFAKE	LR	21 29 30.0	+1.6
F41A	comp=Z,15um,18.0s						
F41A	Three Lakes baz=209	29.75	21	P	P	21 29 12.6	-1.2
E38A	The Farm, Brul	29.76	17	eP	P	21 29 12.1	-1.7
E38A	comp=Z,2um,18.0s						
E38A	The Farm, Brul baz=204	29.76	17	P	P	21 29 12.7	-1.1
KEBM	Edson Butte comp=Z,264nm,1.6s	29.77	329	eP	P	21 29 14.4	+0.4
KEBM	comp=Z,5um,22.0s						
EGMT	Eagleton	29.77	352	eP	P	21 29 14.2	+0.2
EGMT	comp=Z,34nm,1.0s						
EGMT	Eagleton	29.77	352	P	P	21 29 14.1	+0.2
J01E	Myrtle Point baz=188,SNR=14	29.79	330	P	P	21 29 15.0	+1.0
DGMT	Dagmar comp=Z,43nm,1.3s	29.83	360	eP	P	21 29 13.7	-0.7
DGMT	comp=Z,5um,18.0s						
G43A	Wallace	29.85	23	PFAKE	LR	21 29 30.0	+1.5
G43A	comp=Z,16um,19.0s						
G43A	Wallace baz=212	29.85	23	P	P	21 29 13.4	-1.1
E39A	Mellen baz=206,SNR=5.3	29.85	19	P	P	21 29 13.0	-1.5
I03D	Drain, OR baz=149	29.93	331	P	P	21 29 16.7	+1.5
C0WV	Conover	30.06	21	PFAKE	LR	21 29 30.0	+1.4
C0WV	comp=Z,11um,18.0s						
E40A	Wakefield baz=207,SNR=7.9	30.11	19	P	P	21 29 15.6	-1.3
H04A	Detroit Lake comp=Z,30nm,1.0s	30.19	334	eP	P	21 29 18.0	+0.3
H04A	comp=Z,3um,18.0s						
E09A	Wood Farm, Sta comp=Z,22nm,1.0s	30.25	340	eP	P	21 29 16.6	-1.5
E09A	comp=Z,4um,19.0s						
H46A	Fife Lake baz=217	30.26	27	P	P	21 29 17.1	-1.1
G05D	Wamic, OR baz=146	30.29	335	P	P	21 29 19.4	+0.9
J49A	Mariette baz=221	30.30	31	P	P	21 29 16.6	-1.9
H04D	Lebanon	30.30	333	P	P	21 29 19.1	+0.6
N54A	Moraine State baz=142	30.30	37	PFAKE	LR	21 29 30.0	+1.1
N54A	comp=Z,2um,20.0s						
N54A	Moraine State baz=229	30.30	37	P	P	21 29 17.2	-1.4
F07A	Phinny Hill Vj comp=Z,19nm,1.0s	30.31	338	eP	P	21 29 18.8	+0.2

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F07A	comp=Z,2um,18.0s	LR	LR				
AGMN	Agassiz Nation comp=Z,55nm,0.9s	30.37	11	eP	P	21 29 18.5	-0.6
AGMN	comp=Z,1um,19.0s						
AGMN	Agassiz Nation baz=185,SNR=23	30.37	11	P	P	21 29 18.5	-0.6
E41A	Kent baz=208	30.43	21	P	P	21 29 18.6	-1.1
I02D	Swisshome baz=140	30.47	331	P	P	21 29 22.0	+1.9
E08A	Dider Farm, EI	30.52	339	PFAKE	LR	21 29 30.0	+9.5
E08A	comp=Z,3um,21.0s						
SMLC	San Martin de SMLC	30.53	104	eP	P	21 29 23.9	+2.9
SMLC	comp=Z,3um,21.0s						
SMLC	San Martin de Corvallis	30.53	104	eP	P	21 29 23.9	+2.9
COR	comp=Z,63nm,0.9s	30.60	332	eP	P	21 29 22.2	+1.0
COR	comp=Z,6um,18.0s						
COR	Corvallis	30.60	332	eP	P	21 29 22.2	+1.0
COR	comp=Z,83nm,0.9s						
HAWA	Hamford comp=Z,18nm,1.1s	30.60	339	eP	P	21 29 21.3	+0.1
HAWA	comp=Z,2um,20.0s						
HAWA	Sherman Twp baz=229	30.66	29	P	P	21 29 19.9	-1.8
I48A	Blue Knob Stat	30.71	40	PFAKE	LR	21 29 30.0	+7.7
O56A	Grayling	30.74	27	PFAKE	LR	21 29 30.0	+7.5
O56A	comp=Z,2um,20.0s						
GLMI	Oil Creek Stat comp=Z,120nm,1.6s	30.84	37	eP	P	21 29 21.2	-2.2
GLMI	comp=Z,5um,21.0s						
M54A	Oil Creek Stat baz=229	30.84	37	P	P	21 29 21.9	-1.6
M54A	comp=Z,3um,20.0s						
E07A	Sunnyside comp=Z,25nm,0.9s	30.86	338	eP	P	21 29 24.5	+1.0
E07A	comp=Z,3um,20.0s						
SDDR	Presa de Saban comp=Z,69nm,1.0s	30.87	84	eP	P	21 29 23.3	-0.7
SDDR	comp=Z,3um,22.0s						
F05D	White Salmon baz=146,SNR=20	30.88	336	P	P	21 29 25.7	+2.0
GRTK	Grand Turk	30.90	79	PFAKE	LR	21 29 30.0	+5.9
GRTK	comp=Z,4um,21.0s						
OTAV	Otavalo	30.93	123	eP	P	21 29 25.8	+0.8
OTAV	comp=Z,19nm,0.9s						
OTAV	Otavalo	30.93	123	eP	P	21 29 27.3	+2.3
OTAV	comp=Z,2um,21.0s						
OTAV	Otavalo	30.93	123	eP	P	21 29 25.8	+0.8
OTAV	comp=Z,19nm,0.9s						
OTAV	comp=Z,2um,21.0s						
OTAV	Otavalo	30.93	123	eP	P	21 29 27.3	+2.3
OTAV	comp=Z,2um,21.0s						
OTAV	Otavalo	30.93	123	eP	P	21 29 26.2	+1.3
D08A	Wollman Farm, comp=Z,12nm,1.0s	30.98	340	eP	P	21 29 24.6	+0.1
D08A	comp=Z,3um,18.0s						
EYMN	Ely comp=Z,23nm,0.8s	31.01	16	eP	P	21 29 23.3	-1.5
EYMN	comp=Z,21um,18.0s						
EYMN	Ely baz=203,SNR=9.8	31.01	16	P	P	21 29 22.9	-1.9
RREF	El Recreo	31.02	112	eP	P	21 29 26.9	+1.0
RREF	comp=Z,2um,21.0s						
RREF	El Recreo	31.02	112	eP	P	21 29 26.9	+1.0
E43A	Lone Tree Farm E43A	31.05	23	PFAKE	LR	21 29 40.0	+1.5
E43A	comp=Z,1um,20.0s						
ERPA	Erie	31.06	36	PFAKE	LR	21 29 40.0	+1.5
ERPA	comp=Z,7um,21.0s						
PTBC	PUERTO BERRIO, PTBC	31.07	109	eP	P	21 29 27.7	+2.0
PTBC	comp=Z,4um,18.0s						
D41A	Chassel D41A	31.09	21	PFAKE	LR	21 29 40.0	+1.5
D41A	comp=Z,4um,18.0s						
D41A	Chassel baz=209	31.09	21	P	P	21 29 24.9	-0.6
ELFO	Elginfield baz=224	31.09	33	P	P	21 29 23.3	-2.2
H48A	Harrisville baz=220	31.22	29	P	P	21 29 25.5	-1.2
GCUF	Volcan Galeras	31.24	120	eP	P	21 29 28.9	+1.1
GCUF	comp=Z,2um,21.0s						



20d 21h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SJG, CBYP, HUMP, FFC, etc.

2013 FEB

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like BALM, MNMC, PB11, FRB, etc.

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Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like COLA, POKR, TCOL, TRF, etc.







20d 22h

IDC 20 22:56:56.0-1.6, 7.24S, 122.93E, h0km, mb3.2/1, mb1 3.2/4, mb1mx3.2/9, mbtmp3.1/4, ML2.5/3, Error ellipse: s-maj=139.5km s-min=24.3km az=63.0, Flores Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include Baumata, WATI, WARRAMUNGA ARR, ASAR, and MKAR.

MEX 20 22:14:26.5-0.4, 4.777N:99.40W, h64km, gkm, MD3.6, Guerrero

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include MEIG, MEIG, PLIG, YAUTPEC, and YAUTPEC.

ISCJB 20 22:21:24.7-0.5, 27.89N:0.09:139.3E:0.1, h507km, mb3.6/14, Error ellipse: s-maj=15.1km s-min=11.4km az=154.3

IDC 20 22:21:25.8-0.6, 27.90N:139.46E, h509km, 8km, mb3.1/13, mb1 3.3/15, mb1mx3.1/42, mbtmp4.0/15, Error ellipse: s-maj=16.5km s-min=10.0km az=91.0

ISC 20 22:21:25.8-0.7, 27.93N:0.1:139.4E:0.1, h507km, n16, s067/17, mb3.5/14, Bonin Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include JCJ, USRK, KLR, SONM, CMAR, ZALV, FITZ, WRA, MKAR, ASAR, ILAR, INK, ARCES, YKA, FINES, and NOA.

IDC 20 22:24:42.4-1.4, 25.30S:70.07E, h0km, mb4.0/9, mb1 4.2/9, mb1mx3.8/45, mbtmp4.0/9, MS4.1/2, Ms1 4.1/2, ms1mx3.3/47, Error ellipse: s-maj=46.5km s-min=22.7km az=31.0

ISCJB 20 22:24:43.8-1.2, 25.3S:0.3:70.1E:0.2, h21km, mb4.0/9, MS4.0/2, Error ellipse: s-maj=41.1km s-min=20.4km az=28.8

ISC 20 22:24:45.8-1.5, 25.3S:0.3:70.1E:0.2, h21km, n16, s088/9, mb3.9/9, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include H08S1, H08S2, H08S3, H01W2, H01W3, H01W1, BOSA, CMAR, CMAR, FITZ, ASAR, WRA, MKAR, BRTR, TORO, SONM, ZALV.

IDC 20 22:31:45.3-2.6, 4.09S:133.55E, h0km, mb3.6/1, mb1 3.6/5, mb1mx3.5/27, mbtmp3.5/5, ML3.5/4, Error ellipse: s-maj=85.7km s-min=18.1km az=69.0, Irian Jaya region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include SIJI, SIJI, SIJI, WRA, WRA, FITZ, FITZ, ASAR, ASAR, MKAR.

IDC 20 22:37:46.9-0.9, 6.02N:72.86W, h154km, 8km, mb3.0/2, mb1 3.3/3, mb1mx3.0/3, mbtmp3.6/3, Error ellipse: s-maj=40.4km s-min=8.4km az=134.0

ISCJB 20 22:37:47.3-0.6, 6.56N:0.03:73.51W:0.03, h126km, gkm, mb3.3/2, Error ellipse: s-maj=5.6km s-min=4.6km az=13.8

RSNC 20 22:37:49.2-1.0, 6.52N:73.53W, h109km, 6km, ML3.2, Mw3.3

2015 FEB

ISC 20 22:37:48.2-1.0, 6.55N:0.03:73.51W:0.04, h115km, 7km, n22, s099/36, 1C, Northern Colombia

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include BARC, BRRC, RUSC, PTBC.

comp=N, 185nm, 0.2s PUERTO BERRIO, 0.94 269 fP Sn

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PAMC, ZARC, ZARC, OCAC.

comp=N, 650nm, 0.2s TAME, 1.71 94 eP Sn

comp=E, 18nm, 0.3s, baz=311, slow=18, SNR=29 ROSC

comp=E, 13nm, 0.3s, baz=65, slow=22, SNR=9.0 CHIC

comp=N, 78nm, 0.2s HELC, 2.04 260 eP Sn

comp=N, 80nm, 0.4s SMLC, 2.30 346 eP Sn

comp=N, 339nm, 0.3s UREC, 2.33 301 eP Sn

comp=N, 102nm, 0.2s VILC, 2.43 184 eP Sn

comp=N, 32nm, 0.4s SDV, 3.68 51 P Sn

comp=N, 14nm, 0.3s, baz=192, slow=3.3, SNR=64 SDV

comp=N, 8.8nm, 0.3s, baz=27, slow=17, SNR=23 YKA

comp=N, 0.2nm, 0.4s, baz=133, slow=6.2, SNR=4.5 TORO

comp=N, 0.6nm, 1.1s, baz=288, slow=5.7, SNR=2.9 WRA

comp=N, 0.2nm, 0.8s, baz=106, slow=2.3, SNR=5.4 WRA

IDC 20 22:37:46.7-1.5, 25.36S:69.84E, h0km, mb3.8/8, mb1 3.9/8, mb1mx3.7/38, mbtmp3.8/8, MS3.9/1, Ms1 3.9/1, ms1mx3.1/43, Error ellipse: s-maj=47.8km s-min=25.8km az=29.0

ISCJB 20 22:37:48.2-1.3, 25.4S:0.3:69.9E:0.2, h21km, mb3.7/8, MS3.9/1, Error ellipse: s-maj=42.0km s-min=23.6km az=27.2

ISC 20 22:37:50.2-1.6, 25.4S:0.3:69.9E:0.2, h21km, n12, s063/8, mb3.8/8, Indian Ocean Triple Junction

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include H08S1, H08S2, H08S3, ATD, CMAR, ASAR, WRA, MKAR, BRTR, TORO, SONM, ZALV.

IDC 20 22:43:21.6-7.2, 31.77S:69.18W, h64km, 52km, mb3.4/2, mb1 3.8/5, mb1mx3.5/34, mbtmp3.9/5, ML4.1/3, Error ellipse: s-maj=67.1km s-min=32.1km az=17.0

ISCJB 20 22:43:27.4-0.7, 31.5S:0.06:68.73W:0.08, h115km, 5km, mb3.5/2, Error ellipse: s-maj=12.3km s-min=9.6km az=2.1

SJA 20 22:43:27.8-0.7, 31.49S:68.78W, h104km, 4km, ML3.5, Mw3.7

ISC 20 22:43:28.1-0.8, 31.5S:0.07:68.84W:0.07, h111km, 6km, n20, s156/27, San Juan Province

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include ZON, ZON, ZON, ZON, RTLL, RTVC, RTLS, RTLS, RTLS, CFA, AMOG, AUSP, ACCO, ACCV, APPL, APPL.

comp=N, 184nm, 0.3s ACLO, 2.64 39 eP Sn

comp=N, 1.9nm, 0.3s, baz=183, slow=10, SNR=38 CPUP

comp=N, 0.2nm, 0.3s, baz=230, slow=7.9, SNR=2.4 CPUP

comp=N, 0.5nm, 0.3s, baz=180, slow=2.0, SNR=2.1 LPAZ

comp=N, 0.5nm, 0.3s, baz=177, slow=7.4, SNR=18 TORO

1576

comp=N, 1.4nm, 0.8s, baz=270, slow=4.9, SNR=7.8 PDAR

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Rows include PDAR, WRA, ZALV, MKAR, MKAR.

IDC 20 22:53:34.9-0.7, 25.27S:70.06E, h0km, mb4.1/17, mb1 4.2/17, mb1mx4.1/49, mbtmp4.1/17, MS4.2/20, Ms1 4.2/20, ms1mx4.0/33, Error ellipse: s-maj=22.9km s-min=15.2km az=21.0

ISCJB 20 22:53:36.0-0.5, 25.4S:0.1:70.08E:0.08, h21km, mb4.3/34, MS4.2/20, Error ellipse: s-maj=15.5km s-min=9.3km az=16.1

NEIC 20 22:53:36.4-0.5, 25.39S:70.00E, h10km, mb4.4/10, Error ellipse: s-maj=15.9km s-min=9.9km az=18.0

GCMT 20 22:53:40.4-0.3, 25.13S:0.04:69.92E:0.02, h19km, 1km, MW5.0/73, Moment Tensor Solution. s17,c20; s73,c99; Duration: 0 Moment tensor: Scale 1016Nm; Mr=1.46e-09; Mw=1.39e-30; Best double couple: M3.6700x10^16 NPa; s153.0000; s58.0000; s19.0000; NF2: s32.0000; s1.90.0000; Principal axes: P 3.7400, Plg13.0000; Azm244.0000; N -0.2720, Plg0.0000; Azm153.0000; P -3.4730, Plg77.0000; Azm63.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 20 22:53:38.2-0.7, 25.4S:0.2:70.0E:0.1, h21km, n64, s120/45, mb4.3/34, MS4.2/20, Mid-Indian Ridge

comp=N, 128nm, 20.1s, baz=216, slow=35 P

comp=N, 14nm, 0.3s, baz=192, slow=3.3, SNR=64 SDV

comp=N, 8.8nm, 0.3s, baz=27, slow=17, SNR=23 YKA

comp=N, 0.2nm, 0.4s, baz=133, slow=6.2, SNR=4.5 TORO

comp=N, 0.6nm, 1.1s, baz=288, slow=5.7, SNR=2.9 WRA

comp=N, 0.2nm, 0.8s, baz=106, slow=2.3, SNR=5.4 WRA

comp=N, 1.4nm, 0.8s, baz=270, slow=4.9, SNR=7.8 PDAR

comp=N, 0.2nm, 0.6s, baz=116, slow=6.1, SNR=3.2 WRA

comp=N, 1.9nm, 0.7s, baz=278, slow=3.4, SNR=8.0 MKAR

comp=N, 0.2nm, 0.7m, 0.8s, baz=338, slow=1.3, SNR=6.0 MKAR

comp=N, 0.2nm, 0.6s, baz=300, slow=1.7, SNR=5.1 MKAR

comp=N, 17.8nm, 8 T T

comp=N, 17.3nm, 8 T T

comp=N, 17.4nm, 8 T T

comp=N, 17.5nm, 8 T T

comp=N, 17.5nm, 8 T T

comp=N, 17.5nm, 8 T T

comp=N, 17.5nm, 8 T T

comp=N, 17.5nm, 8 T T

comp=N, 17.5nm, 8 T T

comp=N, 17.5nm, 8 T T

comp=N, 17.5nm, 8 T T

comp=N, 17.5nm, 8 T T

comp=N, 17.5nm, 8 T T

comp=N, 17.5nm, 8 T T

comp=N, 17.5nm, 8 T T

comp=N, 17.5nm, 8 T T





21d 1h

Table with columns: AAK, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Ala-Archa, Osenovka, Uchtor, Podgornoye, etc.

CNRM 21 00:17:50.2, 35.49N, 7.04W, h30km, m12.4
ISCJB 21 00:17:50.1±0.4, 35.67N±0.02, 6.84W±0.02, h10km, Error
ellipse: s-maj=3.7km s-min=2.3km az=36.8

IGIL 21 00:17:54.7, 35.61N, 6.85W, h58km, M12.4
MDD 21 00:17:54.6±0.9, 35.60N±0.66W, h58km, mb4.0/21,
Error ellipse: s-maj=8.9km s-min=4.2km az=19.0, PFXIMO
INMG 21 00:17:54.8±1.5, 35.57N, 6.84W, h31km, mb2.5, Error
ellipse: s-maj=3.7km s-min=3.2km az=16.0

ISC 21 00:17:48.5, 0.8, 35.55N, 0.03, 6.93W, 0.03, h10km, n97,
e237/183, 2C-7D, Strait of Gibraltar

Main table for 21d 1h section with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists various stations and their parameters.

2013 FEB

Main table for 2013 FEB section with columns: Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Nicolaou / Gran, Los Guajares, Evora, etc.

1578

Table for 1578 section with columns: Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Calabor, Torete, Mosqueruela, etc.

ISCJB 21 00:22:44.9±0.8, 11.55S, 0.1x164.91E±0.09, h34km,
mb3.7/6, MS2, 9.0, 1.1; Error ellipse: s-maj=16.6km
s-min=7.1, 3km az=31.5

ISC 21 00:22:44.9±0.8, 11.45S, 0.1x145.07E±0.07, h34km, n16,
e092/9, mb3.6/6, Santa Cruz Islands region

Main table for 1578 section with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Lists stations like Honiara, DZM, CTA, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, SNR, and other parameters. Includes stations like BVAR Borovoye Array, CMAR Chiang Mai Arr, WRA Warramunga Arr, etc.

Station coordinates and parameters:
IDC 21 01:05:53.71, 4.0, 90.00N, 48.40E, h0km, mb3.5/6,
mb1.3/6/11, mb1mx3.4/46, mb1mp3.5/11, ML3.5/4, Error ellipse: s-maj=26.6km s-min=10.6km az=152.0

Main table of station data for the 2023 FEB section, listing various stations and their operational parameters.

Table of station data for the 2023 FEB section, continuing from the previous table.

Station coordinates and parameters:
NORS 21 01:06:13.9, 0.0, 42.59N, 45.54E, h10km, MPVA4.0
DRS 21 01:06:14.7, 0.0, 42.63N, 45.43E, h13km

Station coordinates and parameters:
MOS 21 01:06:15.5, 0.9, 42.57N, 45.53E, h10km, mb4.0/2, Error ellipse: s-maj=6.5km s-min=4.8km az=38.6

Main table of station data for the 2023 FEB section, continuing from the previous table.

Table of station data for the 21d 1h section, listing various stations and their operational parameters.

Station coordinates and parameters:
NORS 21 01:09:45.6, 0.0, 42.59N, 45.54E, h11km, MPVA3.7
DRS 21 01:09:47.0, 0.0, 42.55N, 45.50E, h12km

Station coordinates and parameters:
MOS 21 01:09:48.0, 0.9, 42.63N, 45.55E, h14km, mb3.9/1, Error ellipse: s-maj=7.5km s-min=5.0km az=33.8

Station coordinates and parameters:
ISC 21 01:09:47.7, 0.9, 42.60N, 45.53E, 0.01, h16km, 8km, n91, c1916/165, 6C-4D, Eastern Caucasus

Main table of station data for the 21d 1h section, continuing from the previous table.







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like EZN, BRDR, DURS, BOZC, GEDZ, etc.

2013 FEB

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like JHCJ, BSO1, BSO3, etc.

21d 5h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VLS, VLS, VLS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like WRA, WRA, WRA, etc.

MEX 21 05:22:01.4-0.8, 16:05N-98:68W, h3km, 6km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VLI, VLI, VLI, etc.

NEIC 21 05:54:33.8-0.0, 36:71N-20:09E, h0km, mb4.5/17, ML4.2(THE), After THE.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ, FITZ, FITZ, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like VLS, VLS, VLS, etc.

NEIC 21 05:54:33.8-0.0, 36:71N-20:09E, h0km, mb4.5/17, ML4.2(THE), After THE.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ, FITZ, FITZ, etc.

NEIC 21 05:54:33.8-0.0, 36:71N-20:09E, h0km, mb4.5/17, ML4.2(THE), After THE.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like FITZ, FITZ, FITZ, etc.











Table with columns: RNF, Rovaniemi, 2.66 114 PG, Pb, 08 22 38.9 -1.8, etc.

MEX 21 08:22:48.5±0.9, 63°56'W, h81km, 76km, MD3.5, Near coast of Chiapas

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

UPP 21 08:23:33.5±0.9, 63°68'N, 22°82'E, h0km, ML1.8, Suspected explosion

HEL 21 08:23:32.0±0.9, 63°65'N, 22°95'E, h0km, ML1.9, ML1.8(UPP), Explosion, Finland

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

IDC 21 08:37:33.1±2.7, 4.88S, 133.74E, h0km, mb3.1/1, mb1 3.7/4, mb1mx3.4/34, mbtimp3.5/4, ML3.1/3, Error ellipse: s-maj=104.8km s-min=28.9km az=82.0, Irian Jaya region

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

BJI 21 08:40:37.7, 18°65'S, 169°45'E, h223km, mB4.8/12, mB4.6/23

NEIC 21 08:40:39.6±0.8, 18°92'S, 169°12'E, h227km, 7km, mb4.5/17, Error ellipse: s-maj=10.1km s-min=8.7km az=177.0

ISCJB 21 08:40:40.6±0.3, 19°03'S, 0°04', 169°09'E, 0.05, h25km, mb4.3/35, Error ellipse: s-maj=6.8km s-min=5.2km az=38.8

IDC 21 08:40:41.1±1.5, 19°13'S, 169°23'E, h237km, 14km, mb3.8/13, mb1 4.0/14, mb1mx3.8/33, mbtimp4.4/14, Error ellipse: s-maj=21.6km s-min=12.7km az=146.0

ISC 21 08:40:41.4±0.4, 19°10'S, 0°07', 169°18'E, 0.07, h250km, n66, e1921/75, mb4.2/34, Vanuatu Islands

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

Table with columns: WRA, 2.6mm, 0.8s, baz=94, slow=8.7, SNR=12, etc.

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

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Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

IDC 21 09:02:08.7±1.9, 63°30'N, 150°69'W, h104km, 20km, mb3.1/4, mb1 3.4/8, mb1mx3.1/48, mbtimp3.4/8, Error ellipse:

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

s-maj=21.6km s-min=18.7km az=149.0, ISCJB 21 09:02:09.2±0.3, 63°21'N, 0°03', 150°49'W, 0.07, h127km, 3km, mb3.2/4, Error ellipse: s-maj=5.1km s-min=4.2km az=26.4

NEIC 21 09:02:10.4±0.0, 63°20'N, 150°48'W, h122km, ML3.1(AEIC), After AEIC

ISC 21 09:02:10.2±0.8, 63°19'N, 0°04', 150°51'W, 0.04, h126km, 6km, n66, e1910/76, mb3.2/4, Central Alaska

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

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Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

Table with columns: Code, Station Name, Δ° AZ', Phase ID, Time, Res, ISC

IDC 21 09:23:36.4±2.0, 8°32'S, 68°48'E, h0km, mb3.6/6, mb1 3.8/6,

mb1mx3.5/50,mbtmp3.6/6,MS3.7/7,Ms1 3.3/7,ms1mx3.0/43,Error ellipse: s-maj=60.6km s-min=28.0km az=61.0,Chagos Archipelago region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like H08N3 Diego Garcia H, H08N2 Diego Garcia H, H08N1 Diego Garcia H, etc.

ISC/JB 21 09:23:46.5:0.4,24:23N:0:01:122:18E:0:01,h9km,2km, Error ellipse: s-maj=2.1km s-min=1.9km az=42.5

JMA 21 09:23:47.2:0.2,24:17N:122:09E,h45km,4km,M3.2

TAP 21 09:23:47.4,24:28N:122:10E,h23km,ML3.8,7

ISC 21 09:23:47.0:0.9,24:23N:0:02:122:13E:0:02,h17km,7km,n100,r057/178,Taiwan region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like E0S1 E0S1, NANB Nanao, ENA Nanao, etc.

Table with columns: TDCB, CHGB, NWF, WFSB, WFSB, TWA, TWA, OWD, OWD, NHDH, NHDH, TATO, TATO, HGSD, TAP, TAP, WLTB, WLTB, WVDW, WVDW, EHY, EHY, YM01, YM01, YM11, YM11, YM05, YM05, YM04, YM04, YM08, YM08, WHP, WHP, TWS1, TWS1, LIOB, LIOB, NSTT, NSTT, NTST, NTST, YULB, YULB, NCU, NCU, NCUH, NCUH, TWY, TWY, TWY, TWY, TWF1, TWF1, SSLB, SSLB, SMLT, SMLT, SBCB, SBCB, SBCB, SBCB, HSN, HSN, TYC, TYC, TWQ1, TWQ1, TWQ1, TWQ1, NMLH, NMLH, NSY, NSY, FULB, FULB, WHYT, WHYT, TCU, TCU, WJS, WJS, WJS, WJS, WDJ, WDJ, WNT, WNT, WNT, WNT, ELDTW, ELDTW, ELDTW, ELDTW, IRIF, IRIF, CHNS, CHNS, CHNS, CHNS, WGG, WGG, WDLH, WDLH, WDLH, WDLH, RLNB, RLNB, TPUB, TPUB

Table with columns: TPUB, CHN4, CHN4, CHN2, CHN2, WTP, TWGBT, TWGBT, TWG, TWG, TWG, TWG, JKRS, JKRS, WTCF, WTCF, TWK, TWK, TWK, TWK, CHN1, CHN1, SNST, SNST, SNST, SNST, SGST, SGST, SLGT, SLGT, SLGT, SLGT, WSF, WSF, JIJ, JIJ, JIJ, JIJ, SSS, SSS, SSS, SSS, JISG, JISG, MASBT, MASBT, MASBT, MASBT, LAY, LAY, SCZT, SCZT, SCZT, SCZT, JIJ, JIJ, JIJ, JIJ, PHUB, PHUB, PHUB, PHUB, JIRB, JIRB

PGC 21 09:30:30.8±1.0,48:75N:129:18W,h10km,MLSN2.8/17,Mw3.5/17,242km west of Tofino, Bc Vancouver Island, Canada Region, Vancouver Island region

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like KEMP NEPTUNE Canada, EDB Eliza Dome, PACB Port Alice, BC, etc.

ISC 21 09:34:56.1±2.2,51:0N:0:1:18:99E:0:07,h0km,n5,r169/10,Poland

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like OJC Ojcow, MORC Moravsky Berou, MORC Moravsky Berou, etc.

IDC 21 09:35:06.5:2.9,6:75S:129:55E,h130km,38km,mb3.7/1,mb1 3.6/5,mb1mx3.2/34,mbtmp3.9/5,Error ellipse: s-maj=67.5km s-min=20.5km az=90.0,Banda Sea

Table with columns: Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, ISC. Includes stations like SIJI Sorong, SIJI Sorong, FITZ Fitzroy Crossi, FITZ Fitzroy Crossi, etc.







Table with columns for call sign, name, frequency, mode, and other details. Includes stations like IMMV, BAGO, LOUT, etc. across various frequency bands.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like ZALV, ZALV, ZALV, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like SUJI, KMSI, KMSI, etc.

Table with columns: Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like baz=132, LFK, AKDN, etc.

ISCJB 21 10:52:14.4, 0.7, 6:55S, 0:07:129:91E, 0.0h, 146km, mb4.0/2, Error ellipse: s-maj=12.5km s-min=8.9km

IDC 21 10:52:15.8, 1.7, 6:48S, 129:99E, h142km, 20km, mb3.8/3, m1 3.6/7, mb1mx3.4/39, mbtmp4.3/7, Error ellipse: s-maj=24.6km s-min=13.4km az=88.0

ISC 21 10:52:15.6, 0.8, 6:53S, 0:07:129:91E, 0.1, h146km, m8, 1581/10, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like SUJI, SUJI, SUJI, etc.

IDC 21 11:04:32.4, 1.9, 6:53S, 142:40E, h0km, mb3.6/1, mb1 3.6/3, mb1mx3.3/27, mbtmp3.3/3, ML2.7/2, Error ellipse: s-maj=294.5km s-min=34.2km az=116.0, New Guinea

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like WRA, WRA, WRA, etc.

IDC 21 11:09:16.9, 2.5, 12:17S, 172:25E, h0km, mb4.4/5, mb1 4.4/5, mb1mx3.9/39, mbtmp4.6/6, ML5.4/1, MS4.8/1, Ms1 4.8/1, ms1mx2.8/27, Error ellipse: s-maj=69.2km s-min=44.3km az=148.0

ISC 21 11:09:22.2, 2.5, 12:25S, 0:3:172:2E, 0.3, h35km, m8, 1906/7, mb4.4/5, Santa Cruz Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like HNR, RAO, CTA, etc.

NIC 21 11:10:42.7, 0.4, 34:26N, 33:17E, h5km, ML3.4

DDA 21 11:10:45.7, 34:44N, 33:02E, h54km, 2km, ML3.1

ISK 21 11:10:45.9, 34:50N, 33:24E, h12km, ML2.8/1

GII 21 11:10:46.0, 34:58N, 33:17E, h27km, MD3.3/2

ISC 21 11:10:45.1, 1.3, 34:46N, 0:03:33:23E, 0.03, h11km, 10km, n39, 0:088/62, Cyprus region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like SZAC, SZAC, SZAC, etc.

IDC 21 11:15:09.2, 1.0, 0:00S, 166:99E, h0km, mb3.7/3, mb1 4.1/5, mb1mx3.6/41, mbtmp4.1/5, ML4.6/2, MS2.9/2, Ms1 2.9/2, ms1mx2.6/27, Error ellipse: s-maj=47.0km s-min=32.3km az=132.0, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like HNR, HNR, DZM, etc.

NSSC 21 11:17:36.0, 0.8, 33:96S, 35:08E, h187km, 21km, ML2.2

ISCJB 21 11:17:42.2, 0.7, 32:10N, 0:04:36E, 0.1, h10km, Error ellipse: s-maj=15.8km s-min=5.4km az=12.2

JSO 21 11:17:42.5, 1.3, 32:N, 6:36E, h13km, 13km, M2.5/6, Mjma2, 4/6, ML2.5/1, MLV2.5/6

ISC 21 11:17:42.0, 1.0, 32:09N, 0:06:35:90E, 0.09, h10km, n7, 252/17, Dead Sea region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like HSUJ, WALJ, GHAJ, etc.

SOME 21 11:26:11.6, 42:37N, 76:20E, h5km

KRNET 21 11:26:11.9, 0.1, 42:37N, 76:20E, h14km, mb2.0

NNC 21 11:26:12.0, 0.6, 42:39N, 76:17E, h0km, mb2.7, mpv2.5, Error ellipse: s-maj=4.5km s-min=1.9km az=11.0

ISC 21 11:26:11.9, 0.9, 42:37N, 0:02:76:19E, 0.02, h8km, 9km, n37, 0:48/70, 24C-6D, Lasekky-Kul region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Power, and other technical details. Includes stations like ULHL, ULHL, BOOM, etc.



Table with columns: Call sign, Frequency, Mode, Power, Station, and other parameters. Includes stations like MORF Marlete, MESJ Messejana, PMTG Montargil, etc.

Table with columns: Call sign, Frequency, Mode, Power, Station, and other parameters. Includes stations like EAGO, ECAB, PBRG, ECAL, etc.

Table with columns: Call sign, Frequency, Mode, Power, Station, and other parameters. Includes stations like KBK, CHMS, USP, IUG, etc.





Table with columns: CMIG, PNIG, Pinotepa, eS, Sn, 13 35 14.5, -2.1, 13 34 59.7, -2.1

ISCJB 21 13:36:47.2, 0.6, 36.00S; 0.05:144.43E; 0.06, h14km, Error ellipse: s-maj=8.7km s-min=5.6km az=36.9

AUST 21 13:36:47.5, 0.1, 36.09S; 144.43E, h11km, Error ellipse: s-maj=0.3km s-min=0.1km az=9.0

IDC 21 13:36:53.4, 6.1, 36.37S; 142.10E, h0km, mb1 3.0/3, mb1mx3.0/2.6, mbtmp2.8/3, ML2.8/2, Error ellipse: s-maj=72.3km s-min=42.3km az=80.0

ISC 21 13:36:46.9, 1.0, 36.07S; 0.07:144.37E; 0.06, h14km, n12, c#330/18, Victoria

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC

MEX 21 13:40:42.7, 0.9, 16.18N; 96.20W, h20km, 39km, MD3.7, Oaxaca

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC

WEL 21 13:54:26.6, 0.4, 44.52S; 173.3E, h5km, ML3.9/7, South

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC

ISCJB 21 14:00:12.6, 0.5, 33.82N; 0.03:73.12E; 0.07, h22km, mb3.7/12, Error ellipse: s-maj=8.8km s-min=3.2km

NDI 21 14:00:14.1, 2.0, 34.18N; 72.84E, h30km, ML3.8

IDC 21 14:00:19.2, 4.1, 33.99N; 73.23E, h60km, 35km, mb3.4/11, mb1 3.7/16, mb1mx3.5/4, mbtmp3.8/16, ML3.9/5, MS2.8/1, Ms1.2/8.1, ms1mx2.3/4.5, Error ellipse: s-maj=23.8km s-min=16.6km az=32.0

NNC 21 14:00:20.7, 2.9, 33.99N; 73.03E, h73km, 31km, mb4.0, mpv4.4, Error ellipse: s-maj=33.9km s-min=20.8km az=88.0

ISC 21 14:00:14.9, 0.6, 33.86N; 0.05:73.14E; 0.07, h22km, n53, c#207/64, mb3.7/12, 8C-5D, Pakistan

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC

Table with columns: SFKH, KHET, NDI, JOSI, JOSI, JOSI, KALG, SONA, AML, KZA, UCH, MNAS, MNAS, EK2S, AAK, AAK, AAK, AAK, AAK, AAK, AAK, KBK, TKM2, TKM2, TKM2, USP, KK31, PYUN, DANN, PDGK, KOLN, BHPL, DMN, PKIN, PKI, GUN, JIRN, MK31, MKAR, KURBB, AB31, BVAO, BVAR, AKTO, AKTO, AKTO, ZALV, CMAR, SONM, BRTR, ARCES, NB2S, NOA, TORD, INK, ILAR, WRR, ASAR, YKA

IDC 21 14:02:20.1, 99.0, 53.54N; 142.90E, h0km, Error ellipse: s-maj=69.8km s-min=156.7km az=103.0, Baltic States-Belarus-Northwestern Russia

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC

NIED 21 14:05:00.29, 40N, 142.90E, h5km, Mw5.3 Best double couple: M1: 0.70000; 1.017; NP1: 188.00000; 825.00000; 1.109.00000; NP2: 347.00000; 866.00000; 1.81.00000

JMA 21 14:05:52.8, 0.1, 29.42N; 142.86E, h31km, M5.3

ISCJB 21 14:05:53.4, 0.7, 29.36N; 0.02:142.21E; 0.02, h6km, 4km, mb5.1/201, MS5.0/57, Error ellipse: s-maj=3.3km s-min=3.1km az=155.9

BUI 21 14:05:53.6, 29.33N; 142.32E, h21km, mb5.2/62, mb5.0/80, Ms5.1/88, Ms5.4/9.8/4

MOS 21 14:05:55.4, 1.1, 29.31N; 142.25E, h24km, mb5.4/77, MS5.1/209, Error ellipse: s-maj=7.6km s-min=4.2km az=114.7

NEIC 21 14:05:55.9, 0.7, 29.27N; 142.28E, h14km, 4km, mb5.2/109, Error ellipse: s-maj=3.9km s-min=3.2km az=150.0

IDC 21 14:05:56.5, 1.8, 29.24N; 142.35E, h22km, 10km, mb4.6/30, mb1 4.7/35, mb1mx4.7/43, mbtmp4.7/35, ML3.9/5, MS4.8/29, Ms1 4.8/29, ms1mx4.6/45, Error ellipse: s-maj=11.9km s-min=8.5km az=83.0

GCMT 21 14:05:56.9, 0.1, 29.27N; 0.01:142.47E; 0.01, h12km, MW5.3/118, Moment Tensor Solution. s79, c134; s118, c214; Duration: 1s0 Moment tensor: Scale 1017 Nm; Mn: 0.64e; 0.1; Mw: 0.12e; 0.1; Ms: 0.95e; 0.1; Mo: 0.13e; 0.4; Mw: 0.01e; 0.1; Ms: 0.38e; 0.3; Best double couple: M0: 9830.0; 1017; NP1: 188.00000; 825.00000; 1.109.00000; NP2: 347.00000; 866.00000; 1.81.00000; Principal axes: T: 0.9350, P1g: 76.0000, Azm: 309.0000; N: 0.0950, P1g: 0.0000, Azm: 183.0000; P: -1.0310, P1g: 11.0000, Azm: 91.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 21 14:05:56.5, 0.6, 29.37N; 0.03:142.39E; 0.04, h20km, 2km, n509, s174/572, mb5.2/218, MS5.0/60, 23C-14D, Southeast of Honshu

Table with columns: Code, Station Name, Az, AZ, Phase ID, Time, Res, h, m, s, ISC

21d 14h

Table with columns for flight codes (DL2, SNY, etc.), destinations (Shenyang, Changchun, etc.), times, and status indicators.

2013 FEB

Table with columns for flight codes (XAN, MA2, etc.), destinations (Magadan, Chita, etc.), times, and status indicators.

1598

Table with columns for flight codes (TLY, SKNT, etc.), destinations (Talya, Sakolnakh, etc.), times, and status indicators.

WRAB	comp=Z,35nm,1.0s		pmax	pmax		
WB2	Warramunga Arr	49.63 190	eP	P	14 14 45.1	-1.7
WRA	Warramunga Arr	49.64 190	eP	P	14 14 45.1	-1.6
WRA	comp=Z,2.1nm,0.8s,baz=9.0,slow=8.0,SNR=186		S	S		
WRA	comp=Z,5.1nm,0.6s,baz=4.0,slow=3.9,SNR=4.5		PcP	PcP	14 16 06.1	-2.0
WRA	comp=Z,0.8nm,1.1s,baz=1.2,slow=4.2,SNR=2.9		ScP	ScP	14 20 03.8	+1.3
WRA	comp=Z,1.9nm,0.9s,baz=10.0,slow=16,SNR=8.4		S	S	14 21 48.8	-5.6
WRA	comp=Z,869nm,21.8s,baz=10.0,slow=34		LR	LR	14 34 20.1	
MNSI	Manding Nat	49.68 243	eP	P	14 14 46.7	-0.6
PKI	Pulchok	49.69 283	eP	P	14 14 46.2	-1.5
PKIN	Phulchoki	49.70 283	eP	P	14 14 46.0	-1.7
KKN	Kakani	49.72 283	eP	P	14 14 46.6	-1.3
MDSI	Maura Dua	49.77 234	eP	P	14 14 47.1	-0.8
DMN	Daman	49.94 283	eP	P	14 14 48.2	-1.3
NRK	Noril'sk	50.61 338	eP	P	14 14 53.2	-0.4
NRK	comp=Z,1.7nm,0.9s,baz=116,slow=6.0,SNR=12		LR	LR	14 38 45.3	
DANN	Dangsin	50.77 284	eP	P	14 14 55.5	-1.1
KOLN	Koldanda	51.17 283	eP	P	14 14 57.3	-1.4
SNSI	Sinabang, Aceh	51.28 247	eP	P	14 15 14.2	+1.5
PDGK	Podgornoye	51.40 304	eP	P	14 14 58.5	-1.7
PDGK	comp=Z,52nm,1.2s		pmax	pmax		
KURK	Kurchatov	51.54 313	eP	P	14 15 00.8	-0.1
KURK	Kurchatov	51.54 313	eP	P	14 15 01.4	+0.5
KURK	Kurchatov	51.54 313	eP	P	14 15 01.0	+0.1
KURK	SNR=66		P	P	14 15 01.0	+0.1
PYUN	Piuthan	51.60 284	eP	P	14 15 00.7	-1.2
KURBB	Kurchatov Arr	51.60 313	eP	P	14 15 01.0	+0.1
PRZ	Przheval'sk	52.30 303	eP	P	14 15 08.0	+1.1
PRZ	Przheval'sk	52.30 303	eP	P	14 15 08.0	+1.1
PRZ	comp=Z,1.17nm,1.5s		pmax	pmax		
KDAK	Kodiak Island	52.45 38	iP	P	14 15 07.4	-0.1
IM3	Indian Mountain	52.95 27	eP	P	14 15 12.1	+1.0
PPLA	Purkypile	53.13 31	eP	P	14 15 14.5	+1.8
CAST	Castle Rocks	53.24 31	eP	P	14 15 15.1	+1.8
KDJ	Kajisay	53.24 303	eP	P	14 15 15.2	+1.3
KDJ	Kajisay	53.24 303	eP	P	14 15 15.3	+1.3
KDJ	comp=Z,2.3nm,1.3s		pmax	pmax		
AS01	Alice Springs	53.35 190	eP	P	14 15 12.9	-1.6
AS31	Alice Springs	53.36 190	eP	P	14 15 13.7	-1.0
ASAR	Alice Springs	53.36 190	eP	P	14 15 13.3	-1.3
ASAR	comp=Z,2.9nm,0.7s,baz=2.0,slow=5.2,SNR=55		S	S	14 22 44.9	-0.8
ASAR	comp=Z,0.7nm,0.8s,baz=13,slow=18,SNR=4.4		LR	LR	14 36 35.5	
ULHL	Ulaho	53.92 303	eP	P	14 15 19.4	+0.5
MLY	Manley	54.03 29	eP	P	14 15 20.6	+1.4
NRN	Naryn	54.23 302	eP	P	14 15 21.4	+0.2
NRN	Naryn	54.23 302	eP	P	14 15 21.5	+0.2
NRN	comp=Z,2.3nm,1.2s		pmax	pmax		
TKM2	Tokmak 2	54.28 304	eP	P	14 15 21.8	+0.3
TKM2	Tokmak 2	54.28 304	eP	P	14 15 21.9	-2.5
TKM2	comp=Z,1.8nm,1.1s		pmax	pmax		
PMR	Palmer	54.43 33	eP	P	14 15 22.3	+0.3
PMR	Palmer	54.43 33	eP	P	14 15 22.3	+0.3
PMR	comp=Z,55nm,1.6s		pmax	pmax		
COLD	Coldfoot	54.55 26	eP	P	14 15 28.2	+5.3
KSH	Kashi	54.59 300	eP	P	14 15 27.0	+3.3
KSH	KSH		pP	pwP	14 15 33.3	-1.9
KSH	KSH		PP	PP	14 17 33.0	+7.0
KSH	KSH		S	S	14 23 04.0	+1.5
KSH	KSH		SS	SS	14 23 18.1	+8.4
KSH	KSH		SS	SS	14 26 48.1	+3.1
KSH	comp=Z,38nm,1.1s		pmax	pmax		
KSH	comp=Z,740nm,6.0s		LR	LR		
KSH	comp=Z,500nm,9.4s		LR	LR		
KSH	comp=Z,680nm,7.0s		LR	LR		
KZA	Kyzart	54.67 303	eP	P	14 15 26.0	+1.4
RND	Reindeer	54.69 31	eP	P	14 15 24.1	+0.1
RND	Reindeer	54.69 31	eP	P	14 15 24.1	+0.1
RND	comp=Z,1.8nm,1.1s		pmax	pmax		
KNK	Knik Glacier	54.75 33	eP	P	14 15 25.1	+0.7
KBK	Karagaybulak	54.80 304	eP	P	14 15 25.5	+0.3
SML	Sawmill	54.83 33	eP	P	14 15 25.8	+0.8
SML	Sawmill	54.83 33	eP	P	14 15 25.8	+0.8
SML	comp=Z,25nm,0.8s		pmax	pmax		
CHMS	Chumysh	54.88 304	eP	P	14 15 25.9	+0.3
TOLK	Toolik Lake Re	55.00 25	eP	P	14 15 27.5	+1.4
FRU	Bishkek	55.01 304	eP	P	14 15 26.5	-0.1
FRU	comp=Z,110nm,2.0s		pmax	pmax		
USP	Ospenovka	55.02 304	eP	P	14 15 27.1	+0.4
EIDS	Eidsvold	55.06 170	eP	P	14 15 27.1	+0.1
AAK	Ala-Archa	55.13 304	eP	P	14 15 27.8	+0.1
AAK	Ala-Archa	55.13 304	eP	P	14 15 27.6	0.0
AAK	Ala-Archa	55.13 304	eP	P	14 15 27.6	0.0
AAK	Ala-Archa	55.13 304	eP	P	14 15 28.0	+0.4
AAK	Ala-Archa	55.13 304	eP	P	14 15 28.0	+0.4
AAK	SNR=9.9		P	P	14 15 28.0	+0.4
UCH	Uchter	55.19 303	eP	P	14 15 28.2	-0.2
SCM	Sheep Creek Mo	55.30 33	eP	P	14 15 29.7	+1.2
SCM	Sheep Creek Mo	55.30 33	eP	P	14 15 29.7	+1.2
SCM	comp=Z,153nm,2.0s		pmax	pmax		
PKR	Poker Plat Res	55.43 29	eP	P	14 15 30.3	+1.0
HDA	Harding Lake	55.59 30	eP	P	14 15 30.3	-0.1
HDA	Harding Lake	55.59 30	eP	P	14 15 29.9	-0.5
IL1	Eielson Array	55.64 29	eP	P	14 15 30.5	-0.2
ILAR	Eielson Array	55.64 29	eP	P	14 15 30.7	-0.1
ILAR	comp=Z,3.0nm,0.7s,baz=262,slow=6.3,SNR=36		LR	LR	14 38 38.1	
ILAR	comp=Z,364nm,19.9s,baz=276,slow=35					

ILB	Eielson Array	55.64 29	eP	P	14 15 31.0	+0.2
EKS2	Erkin-Say	55.65 304	eP	P	14 15 31.1	-0.2
AML	Almayashu	55.80 303	eP	P	14 15 33.3	+0.6
OTUK	Ortayu	55.80 311	eP	P	14 15 31.8	-0.4
DZM	Mont Dzumac	56.15 153	eS	LR	14 23 22.6	-0.7
DZM	comp=Z,290nm,26.2s		eS	LR	14 32 02.3	
PAX	Paxson	56.20 32	eP	P	14 15 36.0	+1.1
PAX	Paxson	56.20 32	eP	P	14 15 36.0	+1.1
PAX	comp=Z,65nm,1.8s		pmax	pmax		
SFK	Sufi-Kurgan	56.36 301	iP	P	14 15 35.5	-1.1
SFK	comp=Z,27nm,1.3s		pmax	pmax		
ARSB	Arslanbob	56.48 302	eP	P	14 15 38.0	+0.7
RIDG	Independ'e Rid	56.49 31	eP	pP	14 15 43.0	+2.2
BVAR	Borovoye Array	56.51 316	eP	P	14 15 37.8	+0.7
BVAR	comp=Z,30nm,0.6s,baz=93,slow=6.5,SNR=83		S	S	14 23 27.9	+0.5
BVAR	comp=Z,1.6nm,0.7s,baz=58,slow=16,SNR=4.1		S	S	14 23 27.9	+0.5
BRVK	Borovoye	56.57 317	eP	P	14 15 38.4	+0.8
BRVK	Borovoye	56.57 317	eP	P	14 15 38.4	+0.8
BRVK	comp=Z,119nm,1.3s		pmax	pmax		
BRVK	Borovoye	56.57 317	eP	P	14 15 38.0	+0.5
BRVK	SNR=33		P	P	14 15 38.0	+0.5
MNAS	Manas	56.60 304	iP	P	14 15 36.2	-2.0
MNAS	comp=Z,26nm,1.3s		pmax	pmax		
DOT	Dot Lake	56.84 31	eP	P	14 15 39.9	+0.5
KK31	Karatay Array	57.92 305	eP	P	14 15 47.7	+0.4
KK31	Karatay Array	57.92 305	iP	P	14 15 47.3	0.0
KK31	KK31		pmax	pmax		
KKAR	Karatay Array	57.92 305	eP	P	14 15 47.7	+0.4
KKAR	Karatay Array	57.92 305	eP	P	14 15 47.7	+0.4
EGAK	Eagle	58.10 29	eP	P	14 15 48.8	+0.6
NIL	Nilore	58.10 293	eP	P	14 15 48.9	+0.2
NIL	Nilore	58.10 293	eP	P	14 15 48.9	+0.2
NIL	comp=Z,112nm,1.6s		pmax	pmax		
DAWY	Dawson	58.90 30	eP	P	14 15 55.5	+1.7
GAR	Garm	58.99 300	eP	P	14 15 55.1	+0.1
GAR	Garm	58.99 300	eP	P	14 15 55.1	+0.1
GAR	comp=Z,120nm,1.5s		pmax	pmax		
HYB	Hyderabad	59.16 274	iP	P	14 15 55.0	-1.3
CHGR	Chuyangaron	59.95 300	eP	P	14 16 01.7	+0.1
CHGR	comp=Z,103nm,0.7s		pmax	pmax		
INK	Inuvik	60.90 25	eP	P	14 16 08.3	+0.9
INK	Inuvik	60.90 25	eP	P	14 16 08.3	+0.9
INK	comp=Z,32nm,1.4s		pmax	pmax		
INK	Inuvik	60.90 25	eP	P	14 16 08.0	+0.6
STKA	Stevens Creek	60.92 181	eP	P	14 16 07.4	-0.5
STKA	Stevens Creek	60.92 181	eP	P	14 16 07.1	-0.8
STKA	comp=Z,4.3nm,0.6s,baz=348,slow=8.5,SNR=15		LR	LR	14 41 29.5	
KBL	Kabul	61.19 295	eP	P	14 16 08.9	-1.3
KBL	Kabul	61.19 295	eP	P	14 16 08.9	-1.3
KBL	comp=Z,15nm,0.8s		pmax	pmax		
FORT	Forrest	61.35 194	eP	P	14 16 09.7	-1.1
SVE	Sverdllovsk	61.55 322	eP	P	14 16 12.2	+0.2
SVE	SVE		pmax	pmax		
SVE	comp=Z,56nm,1.5s		MLR	MLR		
SVE	comp=Z,1.1um,17.0s		MLR	MLR		
PALK	Pallekele	61.83 262	iP	P	14 16 15.5	+0.9
ARU	Arli	62.75 322	iP	P	14 16 20.3	+0.2
ARU	ARU		S	S	14 18 37.9	
ARU	ARU		SS	SS	14 24 53.1	+5.3
ARU	ARU		pmax	pmax	14 28 56.2	+4.1
ARU	comp=Z,127nm,1.7s		MLR	MLR		
AB31	Akbulak array	63.65 314	iP	P	14 16 26.0	-0.2
AB31	AB31		pmax	pmax		
AKTO	Aktyubinsk	64.54 315	eP	P	14 16 31.7	-0.3
AKTO	AKTO		pmax	pmax		
PRGR	Permogore	67.69 329	eP	P	14 16 51.2	-0.8
PRGR	PRGR		pmax	pmax		
GEYT	Geit	68.43 302	eP	P	14 16 57.6	+0.4
GEYT	Alibed	68.43 302	eP	P	14 16 57.6	+0.4
GEYT	comp=Z,21nm,0.9s,baz=40,slow=2.5,SNR=35					

21d 14h

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ANN Anapa, ISAL Salakas, EGMET Eagleton, etc.

2013 FEB

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like ILGA Ilgaz, SRU San Rafael Swe, TBI Tubuai, etc.

1600

Table with columns: Station Name, Frequency, Mode, Power, Azimuth, Elevation, and other parameters. Includes stations like TXAR Lajitas Array, ABXO Alerik Hawley, SYO Syowa Base, etc.

Table with columns: ICA, Station Name, Az, El, P, Res, Time, Res, Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like McCarthy VSAT, Beaver Creek A, Indian Mountain, etc.

IDC 21 14:43:59.3, 1.6, 38.30N, 142.66E, h0km, mb3.2/3, mb1 3.4/5, mb1mx3.2/36, mbtmp3.2/5, ML2.5/2, Error ellipse: s-maj=38.6km s-min=25.6km az=82.0

ISCJB 21 14:44:01.8, 1.3, 38.38N, 142.35E, h0.07, h27km, 7km, mb3.2/3, Error ellipse: s-maj=10.4km s-min=7.1km az=24.7

JMA 21 14:44:02.3, 0.1, 38.37N, 142.34E, h28km, 2km, M3.4, ISC 21 14:44:00.9, 2.0, 38.31N, 142.28E, h0.08, h10km, 11km, n24, r143/28, mb3.3/3, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like IJHK, IJHO, IJJI, etc.

NNC 21 14:46:30.2, 1.0, 42.74N, 137.22E, h11km, 14km, mb2.6, mpv2.0, Error ellipse: s-maj=12.5km s-min=3.1km az=171.0

ISCJB 21 14:46:31.3, 0.4, 42.72N, 137.10E, h0.03, h22km, 6km, Error ellipse: s-maj=4.8km s-min=3.9km az=24.2

KRNET 21 14:46:31.9, 0.1, 42.55N, 137.93E, h30km, mb1.9, SOME 21 14:46:32.1, 4.2, 68N, 76.00E, h10km

ISC 21 14:46:29.8, 1.0, 42.77N, 137.06E, h0.02, h15km, 9km, n20, r1508/39, 20C-5D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like KST, KST, KST, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like baz=14, Osenovka, USP, etc.

IDC 21 15:23:6.5, 8.2, 190N, 93.17E, h92km, 47km, mb2.9/3, mb1 3.1/4, mb1mx2.8/47, mbtmp3.2/4, Error ellipse: s-maj=94.0km s-min=25.3km az=61.0, Myanmar

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like SHL, CMAR, MKAR, etc.

ISK 21 15:21:05.9, 41.0, 40.98N, 43.03E, h8km, ML2.8/9, ISCJB 21 15:21:06.0, 0.5, 40.97N, 43.04E, h0.02, h8km, 4km, Error ellipse: s-maj=4.1km s-min=2.9km az=172.6

DDA 21 15:21:06.0, 40.95N, 43.04E, h3km, 2km, ML3.2, TIF 21 15:21:06.1, 40.94N, 43.03E, h21km, 3km, ISC 21 15:21:06.2, 1.1, 40.98N, 43.05E, h0.02, h8km, 11km, n33, r097/52, Turkey-Georgia-Armenia border region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like BGD, EAK, EAK, etc.

IDC 21 15:22:53.1, 3.5, 36.22N, 71.31E, h94km, 30km, mb3.2/6, mb1 3.4/12, mb1mx3.2/57, mbtmp3.7/12, Error ellipse: s-maj=29.9km s-min=20.8km az=174.0

ISCJB 21 15:22:55.0, 0.3, 36.24N, 71.33E, h0.05, h114km, mb3.6/6, Error ellipse: s-maj=5.7km s-min=3.4km az=153.2

NNC 21 15:23:01.3, 3.4, 37.11N, 70.82E, h10km, 35km, mb4.2, mpv4.2, Error ellipse: s-maj=36.3km s-min=12.4km az=164.0

ISC 21 15:22:55.1, 0.5, 36.44N, 71.29E, h0.05, h114km, n57, r2568/69, mb3.4/6, 5C-10D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like CEP, CEP, CEP, etc.

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like CHMS, SMLA, SMLA, etc.

IDC 21 15:34:00.38, 30N, 142.00E, h62km, Mwd4.5 Best double couple: Ms5.41000x1015 NP1:347.00000, r32.00000, 7.85.00000, NP2:173.00000, r58.00000, r93.00000, MOS 21 15:34:07.9, 1.1, 38.38N, 141.93E, h59km, mb5.0/81, Error ellipse: s-maj=6.1km s-min=2.8km az=100.1

BJI 21 15:34:08.7, 38.16N, 141.74E, h69km, mb4.9/27, mb4.8/50, Ms4.4/13, M57.4/2/13, ISCJB 21 15:34:09.4, 0.3, 38.28N, 141.87E, h0.03, h71km, 2km, mb4.7/25, Error ellipse: s-maj=4.0km s-min=3.0km az=140.5

IDC 21 15:34:10.1, 0.5, 38.29N, 141.84E, h66km, 4km, mb4.3/25, mb1 4.5/33, mb1mx4.4/45, mbtmp4.6/33, MS3.3/9, Ms1 3.3/9, ms1mx3.1/31, Error ellipse: s-maj=10.9km s-min=9.4km az=102.0

NEIC 21 15:34:10.7, 0.4, 38.28N, 141.86E, h70km, 3km, mb4.8/166, Error ellipse: s-maj=3.2km s-min=2.4km az=136.0, NEIC Fell [III] at Fukushima and Sendai. Also fell at Ichinoishi, Ishinomaki, Iwaki, Kitakami, Morioka, Murayama, Natori, Osaki-shi and Wakuya. Recorded [3 JMA] in Iwate and Miyagi.

JMA 21 15:34:10.2, 38.31N, 141.91E, h64km, 1km, M4.7, Broadband fault plane solution: P waves. NP1: r197.00000, r52.00000, r117.00000, NP2: r337.00000, r45.00000, r60.00000, Principal axes: T P169.00000, Azm169.00000, N P162.00000, Azm380.00000, P P164.00000, Azm268.00000,

ISC 21 15:34:09.0, 2.0, 38.32N, 141.97E, h0.04, h59km, 3km, h58km, PP-P, n453, r1259/506, mb4.8/235, MS3.9/8, 21C-19D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, El, P, Res, Time, Res, Code, Station Name, Az, El, P, Res, Time, Res. Includes stations like JIKH, JIKH, JIKH, etc.











21d 17h

Table with columns: Station, Name, Time, Frequency, Modulation, Power, and other technical details. Includes stations like BILL, CN2, KSRS, etc.

2013 FEB

Table with columns: Station, Name, Time, Frequency, Modulation, Power, and other technical details. Includes stations like TLY, TLY, TLY, etc.

1606

Table with columns: Station, Name, Time, Frequency, Modulation, Power, and other technical details. Includes stations like GTA, CD2, DLBC, etc.







1609

Table with columns: ZEI, Tsey, 71.91 314 eP, P, 17.32 16.6 -0.7, etc. Lists various locations like Kansas State U, Sault St. Mari, Colesburg, etc.

2013 FEB

Table with columns: 045A, Potomac, 75.56 45 P, P, 17.32 38.2 -0.2, etc. Lists various locations like Potomac, Luebbering, Haliburton, etc.

21d 17h

Table with columns: TIRR, Tirusor, 77.36 325 eP, P, 17.32 48.8 +0.3, etc. Lists various locations like Topalu, Piskkesteto, Piszketo, etc.











21d 18h

SSLB	Suanglung	0.70 221	↑P	Pg	18 33 20.6	-0.8
TIPB	Shuangxi	0.73 27	↑P	Pg	18 33 22.0	0.0
TIPB	baz=13			Sg	18 33 30.9	-0.5
TCU	Taichung	0.73 257	eP	Pb	18 33 23.4	+0.5
WDJ	Dajia District	0.75 272	↑P	Pn	18 33 24.1	-0.7
TWS1	Kuangyinsshan	0.78 357	↑P	Pb	18 33 24.4	+0.6
NWF	Wu-fen Shan	0.80 21	eP	Pg	18 33 23.6	+0.3
NWF	baz=22			Sb	18 33 35.7	+0.4
WFSB	Wu-fen Shan	0.80 21	↑P	Pg	18 33 23.6	+0.3
WFSB	baz=22			Sb	18 33 35.1	-0.2
EHY	Hungye	0.82 189	eP	Pg	18 33 23.1	-0.5
HGSD	Ruisui	0.82 182	↑P	Pg	18 33 23.9	+0.1
YM01	YM01	0.83 7	↑P	Pb	18 33 24.7	+0.1
YM01	baz=7.0			S	18 33 35.6	-0.4
WHY?	Xinyi Township	0.83 222	eP	Pg	18 33 23.2	-0.7
WJS	Zhushan	0.83 234	↑P	Pb	18 33 24.5	-0.2
WNT	Mingjian	0.83 238	eP	Pb	18 33 24.6	-0.1
YM04	YM04	0.83 5	eP	Pg	18 33 24.7	-0.1
TWB1	Santiao Chiao	0.84 35	P	Pb	18 33 23.4	-0.6
TWB1	baz=36			Sg	18 33 34.2	-0.7
NTST	Danshui	0.84 359	eP	Pn	18 33 25.6	-0.5
NTST	baz=11			Sn	18 33 39.2	+0.4
YM05	YM05	0.85 7	↑P	Pg	18 33 25.1	+0.1
YM05	baz=7.0			Sb	18 33 35.9	+0.7
YM11	YM11	0.85 7	↑P	Pb	18 33 25.1	+0.1
WCHH	Zhanghua	0.86 254	eP	Pn	18 33 26.0	-0.3
YM08	YM08	0.87 8	↑P	Pg	18 33 25.1	+0.4
YULB	Yu-li	0.94 189	eP	Pg	18 33 25.1	-0.7
YULB	baz=178			Sb	18 33 38.8	-0.3
TWY	Chenhua	0.96 8	eP	Pg	18 33 27.4	-0.4
TWF1	Yuli	0.97 189	eP	Pg	18 33 26.0	-0.6
TWF1	baz=188			Sb	18 33 39.5	-0.7
CHN5	Tsauling	1.01 225	↑P	Pb	18 33 27.7	-0.2
CHN5	baz=218			Sn	18 33 43.0	-0.2
WGW	Gukung	1.03 233	↑P	Sn	18 33 28.5	-0.3
WGW	baz=230			Sn	18 33 44.0	+0.4
WDLH	Douliu	1.05 233	P	Pn	18 33 29.0	0.0
RLNB	Erlin	1.09 247	↑P	Pn	18 33 29.7	+0.1
RLNB	baz=259			Sn	18 33 46.6	+1.7
FULB	Fuli	1.13 188	eP	Pn	18 33 30.2	+0.1
FULB	baz=188			Sn	18 33 46.5	+0.6
WTCT	Ta-ch'eng	1.17 247	eP	Pn	18 33 30.7	+0.1
WTCT	baz=244			Sn	18 33 47.7	+0.9
CHN2	Minshiang	1.19 229	↑P	Pn	18 33 31.6	+0.6
CHN2	baz=227			Sn	18 33 49.3	+1.8
ELDTW	Lidau	1.20 200	eP	Pg	18 33 29.6	-1.2
ELDTW	baz=200			Sn	18 33 47.4	-0.4
CHKT	Chengkung	1.22 184	eP	Pg	18 33 29.1	-2.1
WMLT	Mailiao	1.24 246	eP	Pg	18 33 31.8	+0.1
CHN4	Tsaulshan	1.25 220	↑P	Pg	18 33 32.0	+0.1
CHN4	baz=218			S	18 33 50.7	+1.9
CHY	Chiayi	1.25 229	P	Pg	18 33 32.7	+0.8
CHY	baz=227			Sn	18 33 50.3	+1.4
TPUB	Ta-pu	1.27 217	eP	Pn	18 33 31.5	-0.6
TPUB	baz=216			Sn	18 33 31.9	-0.2
STYT	Tauyuan	1.32 209	↑P	Pn	18 33 32.2	-0.6
STYT	baz=209			Sn	18 33 52.0	+1.3
WSF	Zshu	1.32 239	eP	Pg	18 33 32.9	-0.2
WSF	baz=236			Sn	18 33 51.7	+1.1
WTP	Ta-pu	1.32 216	↑P	Pb	18 33 32.9	-0.2
WTP	baz=215			Sn	18 33 52.1	+1.4
JYNG	Yonagunijimaku	1.36 84	P	Pg	18 33 34.0	0.0
TWK	Hsinying	1.38 220	↑P	Pg	18 33 34.2	0.0
TWK	baz=219			Sn	18 33 54.5	+2.5
SNST	Tainan City	1.41 219	eP	Pg	18 33 35.0	+0.1
CHN1	Nanshi	1.42 217	↑P	Pg	18 33 35.2	+0.2
CHN1	baz=216			Sg	18 33 55.0	+1.6
PCYT	Pengchayiu	1.42 23	eP	Pn	18 33 33.7	-0.4
YOJ	Yonaguni jima	1.42 84	eP	Pb	18 33 34.5	-0.3
YOJ	baz=74			Sb	18 33 52.9	-0.2
YOJ	Yonaguni jima	1.42 84	P	Pg	18 33 34.7	0.0
SGST	Jiashan	1.47 213	↑P	Sg	18 33 35.7	-0.4
SGST	baz=206			Sg	18 33 57.1	+1.9
CHN8	Yiju	1.50 230	P	Pb	18 33 36.0	0.0
CHN8	baz=239			Sg	18 33 58.0	+1.9
SLGT	Liugu	1.52 210	eP	Pg	18 33 36.8	-0.1
TWG	Pinlang	1.53 193	eP	Pn	18 33 35.1	-0.6
TWG	baz=176			Pn	18 33 36.0	+0.3
TWGBT	Beinan	1.54 193	eP	Pg	18 33 36.1	-0.6
CHN3	Shinhua	1.59 219	P	Pb	18 33 38.5	+0.1
CHN3	baz=218			Sg	18 34 02.0	+2.9
SCLT	Jiali	1.62 226	↑P	Pb	18 33 38.1	-0.1
SCLT	baz=223			S	18 34 01.4	+1.3
TAH1	Yung-kang	1.70 222	eP	Pg	18 33 39.9	-0.6

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TAI1	baz=220	eS	Sg	18 34 04.4	+1.8	
SSD	Sandimen	1.74 206	eP	Pg	18 33 40.6	-0.7
SSD	baz=207		Sg	18 34 04.7	+0.8	
TWM1	Shoushan	1.77 213	eP	Pg	18 33 41.4	-0.4
ECL	Taimali	1.78 195	↑P	Pb	18 33 40.4	-0.4
SGLT	Jiouru	1.82 209	eP	Pg	18 33 42.4	-0.4
MASB7	Masuluo	1.86 204	eP	Pg	18 33 43.0	-0.5
SNJT	Kaohsiung City	1.87 214	eP	Pb	18 33 42.8	+0.4
PNG	Penghu	1.90 247	eP	Pn	18 33 40.2	-0.4
PHUB	Peng-hu	1.90 245	eP	Pn	18 33 40.2	-0.6
PTTC	Pingtang	1.93 308	eP	Pn	18 33 40.4	-0.8
VVUC	VVUC	1.95 290	eP	Pn	18 33 40.0	-1.4
WDGT	Dungji	1.96 238	eP	Pn	18 33 42.1	+0.6
SSPT	Xinbi	2.00 204	eP	Pg	18 33 45.4	-0.9
EAST	Anshuo	2.01 196	↑P	Pb	18 33 42.7	+0.4
TAW	Taw	2.02 195	eP	Pb	18 33 44.2	-0.8
IRIF	Iriomote-Funau	2.07 89	P	Pn	18 33 43.5	+0.4
IRIF	baz=181		Sb	18 34 10.8	-1.0	
SCZT	Fangliu	2.09 202	eP	Sb	18 33 45.4	-0.7
HATJ	Hateruma jima	2.16 97	P	Pb	18 33 46.8	-0.5
VCHM	VCHM	2.16 240	eP	Pn	18 34 12.1	+0.7
WLCB	Liujia	2.20 207	eP	Pn	18 33 46.1	+1.3
PTMZ	Houxiangcun	2.24 289	eP	Pn	18 33 44.4	-1.1
LAY	lan-yu	2.27 178	eP	Pn	18 33 45.0	-0.9
MATB	Ma-tsu	2.28 323	eP	Pn	18 33 45.1	-0.9
JKRS	Kuro-shima	2.33 92	P	Pn	18 33 48.0	+1.4
JKRS	baz=165		Sb	18 34 17.8	-1.4	
HEN	Hengchun	2.40 196	eP	Pn	18 33 49.1	+1.5
TWK1	Hengchun	2.44 194	eP	Pb	18 33 50.1	-2.1
TWKBT	Hengchun	2.44 194	eP	Pn	18 33 49.5	+1.3
JJI	Ishigaki jima	2.45 88	P	Pn	18 33 49.0	+0.7
JJI	baz=321		Sn	18 34 20.0	+1.5	
JISG	Ishigakijima	2.61 84	P	Pn	18 33 50.9	+0.4
JISG	baz=273		Sb	18 34 25.1	-2.3	
OZH	Quanzhou	2.68 284	↑P	Pn	18 33 50.8	-0.7
OZH	comp=N,350nm,1.0s		Smax	18 34 22.0	-2.2	
OZH	comp=E,250nm,1.1s		Smax			
LYJJ	Jianjiangzhen	2.70 326	eP	Pn	18 33 51.3	-0.4
KNM	Kinmen	2.76 273	eP	Pn	18 33 53.6	+1.0
KNMB	Chin-men Tao	2.80 274	↑P	Pn	18 33 52.3	-0.8
MHZO	Yeshan	2.82 309	eP	Pn	18 33 53.1	-0.3
XPSS	Dashiqiu	2.84 336	eP	Pn	18 33 52.8	-0.9
JTJ	Tama	2.97 83	P	Pn	18 33 57.4	+1.9
AXDP	Jialang	3.23 281	eP	Pn	18 33 58.4	-0.6
ZPLA	Ao Xicun	3.41 264	eP	Pn	18 34 00.9	-0.6
JIRB	Jiujuzhen	3.42 81	P	Pn	18 34 02.9	+1.3
ZZJH	Jiujuzhen	3.49 273	eP	Pn	18 34 02.0	-0.7
JKJM	Ikemajima	3.50 79	P	Pn	18 34 04.4	+1.7
JOW	Kunigami	6.64 66	P	Pn	18 34 47.0	+1.1
KSR5	Korea Array	14.21 21	P	P	18 36 37.5	+0.4
HHC	Hu-ho-hao-te	18.45 336	eP	Pn	18 37 19.1	-5.1
HHC	comp=Z,1.1nm,0.9s		Smax	18 40 41.6	-9.0	
HHC	comp=Z,160nm,4.3s		Pmax			
HHC	comp=N,290nm,8.6s		LR	LR		
HHC	comp=E,320nm,8.6s		LR	LR		
CM01	Chiang Mai Arr	21.75 259	eP	P	18 37 57.0	-3.1
CMAR	Chiang Mai Arr	21.75 259	P	P	18 38 03.9	+3.7
SBUM	Sibu	23.50 204	eP	P	18 38 17.1	-1.5
GTA	Gaotai	23.67 315	↑P	P	18 38 22.9	+2.7
GTA	comp=Z,4.0nm,1.2s		pP	18 38 27.3	+3.4	
GTA	comp=Z,6.6nm,0.9s		pP	18 38 30.0	+7.2	
ULN	Ulaanbaatar	26.13 338	eP	P	18 38 43.9	+1.1
SONM	Songino Array	26.34 337	P	P	18 38 46.0	+1.4
SONA1	Songino Array	26.35 337	eP	P	18 38 45.8	+1.2
WMQ	Urumi	33.74 314	eP	P	18 39 51.1	+1.0
MK01	Makanchi Array	38.40 316	eP	P	18 40 30.7	+0.8
MK31	Makanchi Array	38.41 316	eP	P	18 40 31.2	+1.2
MKAR	Makanchi Array	38.41 316	eP	P	18 40 31.2	+1.1
MKAR	comp=Z,3.9nm,1.2s		P	18 40 31.6	+1.5	
MAKZ	Makanchi Array	38.62 316	eP	P	18 40 33.6	+1.8
ZAAO	Zalesovo Array	40.27 327	eP	P	18 40 45.6	+0.2
ZALV	Zalesovo Beam	40.27 327	eP	P	18 40 45.0	-0.3
ZALV	comp=Z,5.2nm,0.9s,slow=119,slow=8.6,SNR=18		P	18 40 45.5	+0.1	
NRN	Naryn	41.31 306	eP	P	18 41 55.4	+0.9
KURK	Kurchatov	42.15 320	eP	P	18 41 00.6	-0.3
WRA	Warramunga Arr	45.75 163	P	P	18 41 28.4	-1.8
ASAR	Alice Springs	49.21 165	P	P	18 41 56.1	-0.9
GEYT	Alibek	54.94 300	P	P	18 42 40.8	+1.1
KLMR	Klimovskoe	65.18 328	eP	P	18 43 48.8	-0.7
ILAR	Eielson Array	68.98 27	P	P	18 44 15.2	+1.6
FINES	FINESS Array B	71.45 330	P	P	18 44 28.8	0.0

1615

Table with columns: Station, Frequency, Modulation, Power, and other technical details. Includes stations like NMLH, TATO, HSN, SMLT, etc.

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Table with columns: Station, Frequency, Modulation, Power, and other technical details. Includes stations like STYT, WTP, WSF, etc.

21d 18h

Table with columns: Station, Frequency, Modulation, Power, and other technical details. Includes stations like GYA, KSR, KSR, etc.



1617

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MMRI, EDFI, BATI, SOEI, etc.

TAP 21 18:43:21.1,24:32N,121:46E,h5km,1km,ML2.6,C

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ET LH, NNSB, NNS, etc.

TAP 21 18:43:24.8,24:31N,121:44E,h7km,ML2.6,B,Taiwan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ET LH, NNSB, NNS, etc.

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Main table with columns: CHGB, ENTT, ENTT, YHNB, YHNB, NSK, ENLB, OWD, OWD, WHP, TWE, NWLT, TWC, ESL, LIOB, LIOB, NSTT, NSTT, ILA, WLTB, WLTB, TWQ1, TWQ1, NSY, EGFH, EGFH, NMLH, SBCB, NTC, SMLT, SMLT, NHDH, NHDH, TYC, TYC, EOS1, SSSL, SSSL, TWA, PTBS, TCU, TIPB, TWS1, EHY, HGSD, WJS, WHYT, WNT, NWF, WFSB, WCHH, YMO1, YMO4, YMO5, YMO5, YMO11, YMO8, YULB, YULB, WDFL, WDFL, RLNB, RLNB, ELDTW, CHN4, CHY, TPUB, STYT, WSF, WTP, WTK, SNST, SGST, CHN8, SLGT, SSD, ECL, MASBT, PHUB, PTTC, YVUC, EAST

21d 18h

Table with columns: SCZT, PTMZ, JAY, JAY, WRA, FITZ, ASAR, MKAR. Includes station names and coordinates.

21d 18:50:37.8,1.7,12:67Sx165:71E,h0km,mb3.6/4, mb1 3.6/4, mb1mx3.4/32, mbtmp3.4/4, ML3.5/1. Error ellipse: s-maj=27.5km s-min=12.5km az=168.0, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM, WRA, WRA, ILAR, MKAR.

DDA 21 18:59:09.8,35:52N,131:86E,h23km,2km,ML3.6 ISK 21 18:59:09.9,35:56N,131:82E,h12km,ML3.7/43 ISCJB 21 18:59:11.9,0.2,35:46N,130:02E,0.03,1.85E,0.03,h64km,5km, mb3.7/4, Error ellipse: s-maj=3.8km s-min=3.0km az=146.2

DDA 21 18:59:12.7,1.8,35:48N,131:69E,h64km,26km,mb3.5/4, mb1 3.4/10, mb1mx3.2/50, mbtmp3.6/10, ML3.4/6, Error ellipse: s-maj=32.4km s-min=19.4km az=44.0 NIC 21 18:59:14.0,0.3,35:62N,131:96E,h25km,ML3.7 HLW 21 18:59:16.3,35:19N,131:67E,h10km,45km,MD4.2,ML4.1 ISC 21 18:59:12.8,1.0,35:49N,130:04,31:87E,0.03,h46km,13km, n110,1879/118,mb3.7/4,Cyprus region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like AKMC, ALFC, PPHY, LEF, LEF, ALAN, BOZY, BOZY, SZAC, MAMC, TEKE, CSS, CSS, AKIN, BERE, YORU, KEPP, ERMK, ERMK, OREN, AKK2, AKKU, AKKU, GULN, GULN, KEMT, TEVE, YESI, IKL, ANTB, KEBE, EREN, EREN, KORT, KORT, KORT, AKAS, ELL, KIZK, BCK, KMER, KMER, KONT, KONT, KONT, FETY, FETY, FETY, MERS, GOLH, GOLH, ISP, DOGA, DOGA, BRDR, BAGO, BAGO, KERK, KERK, LADK, GULE, TURN, SULT, KDHN, KDHN, KZIL, KZIL, TAVA, TAVA, KARA, ARB, ARB, SHUT, BOLV, BOLV, YURE, YURE, YURE

Table with columns: YER, KHAL, KHAL, Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like YERKESIK, KARAHALLI, CEYHAN, TATKOPRU-HAT, etc.

IDC 21 19:08:27.5, 2.3, 5.96N, 127.02E, h0km, mb3.2/3, mb1.3, 4/3, mb1mx3, 1/33, mbtmp3.2/3, Error ellipse: s-maj=169.3km, s-min=27.3km, az=66.0.

ISCJB 21 19:08:46.2, 1.2, 5.5N, 101.1, 127.3E, 0.1, h150km, mb3.1/3, Error ellipse: s-maj=24.9km, s-min=10.6km, az=136.8.

ISC 21 19:08:47.6, 1.6, 5.5N, 101.1, 127.3E, 0.2, h150km, n6, az=67.2, mb3.0/3, 1.P, Philippine Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like MATI, MATI, GSPH, GSPH, SKMP, WARRANGUNGA ARR, etc.

SJA 21 19:22:59.7, 0.4, 31.55S, 68.81W, h114km, 1km, ML2.0, MW2.6, San Juan Province

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like ZON, ZON, RTLL, RTLL, RTLL, RTLL, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CFA, AMOG, AMOG, AMOG, AROD, AROD, etc.

MAN 21 19:23:17.9, 11.28N, 124.55E, h10km, mb4.2, ML3.0, MS2.7, 1D, Leyte

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like PLP, PALO, LLL, LAPU-LAPU, LLL.

DJA 21 19:26:59.5, 1.3, 6.1N, 9.12E, h149km, 16km, M4.2/8, mb4.3/7, mb4.7/4, MLV4.3/8, Mw(MB)3.9/4

ISCJB 21 19:27:01.0, 0.5, 5.67N, 104.126E, 17E, 0.05, h91km, 8km, mb3.7/4, Error ellipse: s-maj=8.5km, s-min=5.9km, az=169.5

MAN 21 19:27:00.3, 6.4, 5.82N, 126.01E, h94km, 7km, mb3.5/4, mb1.3, 7/5, mb1mx3, 2/43, mbtmp3.9/5, ML3.8/1, Error ellipse: s-maj=166.1km, s-min=24.1km, az=66.0

ISC 21 19:27:01.7, 0.9, 5.71N, 100.006E, 126.16E, 0.07, h91km, 10km, n24, r141/36, mb3.8/4, 2C-4D, Mindanao

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like DDMP, DON MARCELINO, MATI, MATI, GSPH, GENERAL SANTOS, etc.

NEIC 21 19:27:46.7, 0.0, 16.72N, 94.46W, h122km, MD4.4(MEX), After MEI

MEX 21 19:27:46.7, 1.2, 16.72N, 94.46W, h123km, 13km, MD4.4, Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like CMIG, MATIAS ROMERO, CMIG, MATIAS ROMERO, CMIG, etc.

IDC 21 19:32:49.5, 1.7, 10.83S, 165.78E, h0km, mb3.9/5, mb1.4, 1/6, mb1mx3, 0/31, Error ellipse: s-maj=49.6km, s-min=29.4km, az=127.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like HNR, HONIARA, DZM, MONT DZUMAC, H1S2, WAKE ISLAND HY, etc.

MOS 21 19:50:00.0, 0.8, 6.18S, 154.83E, h33km, mb5.5/62, MS4.7/5, Error ellipse: s-maj=7.8km, s-min=5.8km, az=96.4

NEIC 21 19:50:01.0, 1.0, 6.31S, 154.90E, h35km, mb5.4/191, MW5.4, Error ellipse: s-maj=4.2km, s-min=3.5km, az=127.0, Moment Tensor Solution, s-maj=3.8km, s-min=3.1km, az=14.5

BUI 21 19:50:02.0, 6.07S, 155.17E, h60km, mb3.5/5, mb5.2/75, MS5.0/63, Ms7.4/760

IDC 21 19:50:03.0, 5.6, 6.33S, 154.86E, h56km, 3km, mb5.0/29, mb1.5, 1/31, mb1mx4, 9/40, mbtmp5.2/31, MS4.6/24, Ms1.4, 6/24, ms1mx4, 6/28, Error ellipse: s-maj=11.9km, s-min=9.0km, az=97.0

DJA 21 19:50:05.7, 0.7, 6.53S, 15.5E, h69km, 6km, M5.5/72, mb5.6/72, mb5.9/40, Mw(MB)5.5/40

GCMT 21 19:50:06.1, 0.1, 6.53S, 0.1, 154.81E, 0.01, h54km, MW5.5/132, Moment Tensor Solution, s132, c212

s108,c190: Duration: 1s4 Moment tensor: Scale 1017 Nm; Mw: 2.07; 0.3; Mw: 1.13; 0.2; Mw: 0.94; 0.2; Mw: 0.14; 0.2; Mw: 1.25; 0.2; Mw: 0.16; 0.2; Best double couple: M2: 19000.0/1017 NP1: 313.4/00000, 848.00000, 7.91.00000. NP2: 132.00000, 842.00000, 1.89.00000. Principal axes: T: 2.0800, Plg87.0000, Azm238.0000; N: 0.2170, Plg1.0000, Azm133.0000; P: 2.2990, Plg3.0000, Azm43.0000; nsta1 refers to body waves, cutoff=40s, nsta2 refers to surface waves, cutoff=50s. Triangular moment-rater function

ISC 21 19:50:03.9, 0.3, 6.36S, 0.04, 154.89E, 0.04, h58km, 2km, h58km; P: P: n1000, r1322, 1089, m5, 4/286, MS4.7/40, 24C-6D, Bougainville-Solomon Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Includes stations like RABL, RABUL, HNR, HONIARA, HNR, HONIARA, HNR, HONIARA, HNR, HONIARA, etc.





21d 19h

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like CD2 Chengdu, CD2 Hu-ho-hao-te, CD2 Lanzhou, etc.

2013 FEB

Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like KKN Kakani, PALK Pallekele, DMN Daman, etc.

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Table with columns for call sign, name, frequency, mode, and other parameters. Includes entries like ZAAO Zalesovo Array, ZALV Zalesovo Beam, ZALV Zalesovo Array, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and SNR. Includes stations like AFDM Forest Hills D, OTUK Ortayu, J05D Fort Rock, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and SNR. Includes stations like LDFC Landfair, GLA Glamis, SHPR Sheep Range, etc.

Table with columns: Station ID, Name, Frequency, Power, Modulation, and SNR. Includes stations like ARCES ARCESS Array B, KIV Kislovodsk, F38A Pierce - Schro, etc.



Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Adam Dzewonski, Peaks-Kenny Pk, Divibare, etc.

TAP 21 19:57:26.1,24:16N:121:67E, h14km, 1km, ML1.6, D,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Ninganchiao, NACB, Chiawan, etc.

TAP 21 19:57:29.9,24:33N:121:45E, h5km, 1km, ML1.3, C,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Datong, XiuLin Townshi, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like TDCB, TDCB, Datong Townshi, etc.

DDA 21 19:58:15.3, 38:88N:144:52E, h5km, 2km, ML2.6
ISC 21 19:58:15.7, 38:90N:144:51E, h3km, ML2.4/7
ISC/B 21 19:58:16.3-0.8, 38:94N:144:44:57E:0.07, h5km, Error
ellipse: s-maj=7.4km s-min=6.2km az=10.3

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Caldiran, Caldiran, Van-Muradiye, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase, ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like USRK, USRiyskiy Ar., Changchun, etc.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SBF Sospel, ESCA l'Escarene, NEGI Seborga, etc.

ISCJB 21 20:57:38.2±0.3, 33°25N±0.1, 116°01W±0.02, h7km±3km, Error ellipse: s-maj=2.3km s-min=2.2km az=41.1

ANF 21 20:57:38.6±0.2, 33°24N±1.6, 105°W, h13km±1km, ML3.5/32, Error ellipse: s-maj=1.4km s-min=1.2km az=138.0

PAS 21 20:57:39.9, 33°23N±1.16, 106°W, h10km, ML3.6, NEIC 21 20:57:39.9±0.0, 33°23N±1.16, 106°W, h10km, ML3.6(PAS), After PAS.

NEIC Felt [III] at Thermal and [II] at Palm Desert. Also felt at Cathedral City, El Cajon, Indian Wells, Indio, La Jolla, Rancho Mirage, Riverside, San Diego, San Marcos and Valley Center.

ECX 21 20:57:40.4±0.7, 33°22N±1.16, 106°W, h8km, MD3.5, ML3.6, ISC 21 20:57:38.2±1.1, 33°24N±0.01, 116°02W±0.02, h5km±10km, n93, c083/125, 9C-3D, Southern California

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include SWSC Sam W. Stewart, SWSC Sam W. Stewart, SWSC Cook Ranch, etc.

Table with columns: BAR, Barrett, 0.79 225i eP, Pg, 20 57 53.7 +0.4, etc. Rows include BAR Barrett, COA Coachella, SDR San Diego Road, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include OSI Osito Audit: C, SHOC Shoshone, TUC Tucson, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include MKAR Makanchi Array, WRA Warramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include HNR Honiara, CTA Charters Town, H11S2 WAKE ISLAND Hy 29.90 360 T, etc.

ISC 21 21:16:32.6±1.4, 11°16S±0.3, 166°E±0.2, h10km, n11, c1502/9, mb3.9/6, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include JAOM Aogashimamukai, JHJC Hachiojimakas, JHJC Hachiojima 2, etc.

DDA 21 21:29:11.8, 37°92N±29°04'E, h12km±1km, ML2.6, ISCJB 21 21:29:12.6±0.5, 37°92N±0.03±29°02E±0.05, h5km±8km, Error ellipse: s-maj=6.9km s-min=4.3km az=3.7

ISC 21 21:29:12.5±1.0, 37°90N±28°99'E, h8km, ML2.1/8, ISC 21 21:29:12.5±1.0, 37°91N±0.03±29°02E±0.05, h11km±9km, n16, c056/20, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include DENT Denizli, DENT Denizli, TAVA DENIZLI Tavas, etc.

ISC 21 21:33:27.1±1.1, 11°16S±0.1, 165°0E±0.2, h34km, mb3.6/5, Error ellipse: s-maj=29.4km s-min=18.0km az=176.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Rows include DZM Mont Dzumac, DZM Mont Dzumac, H11S2 WAKE ISLAND Hy 29.88 3 T, etc.





Table with columns: PDGK, Podgornoye, 1.50, 20, P, Pn, 22 04 15.1 -1.4, KZA, baz=76, f/S, Sn, 22 05 05.2 +0.1, GERS, GERESS Array B, 58.12, 312, P, P, 22 19 49.6 +0.7

Table with columns: KUU, Kurty, 2.68, 318, Pg, Pb, 22 04 35.7 -1.7, KUU, Kurty, 197nm,0.5s, 2.68, 318, f/S, Pb, 22 04 35.7 -1.7, KUU, Kurty, 246nm,0.4s, 2.95, 286, P, Sb, 22 04 38.5 +1.9, KBK, Karagaybulak, SNR=33, 2.95, 286, f/S, Pn, 22 04 36.2 -0.4, KBK, Karagaybulak, baz=87, f/S, Sn, 22 05 12.6 +0.4, TDK, Taldyqorghan, 16nm,0.4s, 3.10, 355, Pg, Pb, 22 04 43.7 -0.9, TDK, Taldyqorghan, 149nm,0.4s, 3.10, 355, eP, Pb, 22 04 43.7 -0.9, TDK, Taldyqorghan, 16nm,0.4s, eS, Sb, 22 05 25.1 +2.7, CHMS, Chumysh, SNR=7.7, 3.19, 291, P, Pn, 22 04 40.8 +1.2, CHMS, Chumysh, baz=92, 3.19, 291, f/S, Pn, 22 04 39.5 -0.1, CHMS, Chumysh, SNR=29, f/S, Sn, 22 05 18.2 +0.4, UCH, Uchtor, SNR=29, 3.21, 277, P, Pb, 22 04 43.9 -2.8, UCH, Uchtor, baz=78, 3.21, 277, f/S, Pn, 22 04 39.8 -0.5, UCH, Uchtor, baz=78, f/S, Sn, 22 05 18.7 -0.2, FRU1, Bishkek, baz=89, 3.22, 287, f/S, Pn, 22 04 39.8 -0.3, FRU1, Bishkek, baz=89, f/S, Sn, 22 05 18.6 0.0, AAK, Ala-Archa, SNR=8.2, 3.28, 284, P, Pb, 22 04 45.0 -2.7, AAK, Ala-Archa, 6.9nm,0.5s, 3.28, 284, f/Pn, Pn, 22 04 42.8 +1.8, AAK, Ala-Archa, 110nm,0.8s, f/Lg, Lg, 22 05 33.0, AAK, Ala-Archa, baz=85, 3.28, 284, f/S, Pn, 22 04 41.0 0.0, AAK, Ala-Archa, baz=85, f/S, Sn, 22 05 20.5 +0.3, ARLS, Aral, baz=72, 3.34, 271, f/S, Pn, 22 04 41.2 -0.7, ARLS, Aral, baz=72, f/S, Pn, 22 05 21.2 -0.7, KAPS, Kapalarasan, 6.9nm,0.8s, 3.39, 7, Pg, Pb, 22 04 48.1 -1.5, KAPS, Kapalarasan, 31nm,0.8s, 3.39, 7, f/eP, Pb, 22 04 48.1 -1.5, KAPS, Kapalarasan, 6.9nm,0.8s, f/Lg, Lg, 22 05 32.8, KAPS, Kapalarasan, 31nm,0.8s, eS, Sb, 22 05 32.8 +1.9, SGDS, Sogindy, 14nm,0.6s, 3.44, 298, Pg, Pb, 22 04 48.1 -2.3, SGDS, Sogindy, 93nm,0.6s, f/Lg, Lg, 22 05 32.8, USP, Ospanovka, SNR=5.1, 3.45, 294, P, Pb, 22 04 48.4 -2.2, USP, Ospanovka, baz=95, 3.45, 294, eP, Pn, 22 04 42.9 -0.4, USP, Ospanovka, baz=95, f/S, Sn, 22 05 24.6 +0.3, EKS2, Erkin-Say, SNR=26, 3.80, 283, P, Pb, 22 04 52.9 -3.7, EKS2, Erkin-Say, SNR=26, 3.80, 283, f/S, Pn, 22 04 48.3 +0.1, EKS2, Erkin-Say, baz=84, f/S, Sn, 22 05 33.0 -0.1, AML, Almayashu, SNR=15, 3.81, 275, P, Pb, 22 04 56.4 -0.5, AML, Almayashu, baz=75, 3.81, 275, f/S, Pn, 22 04 47.8 -0.8, AML, Almayashu, baz=75, f/S, Sn, 22 05 33.2 +0.5, MRKS, Merke, baz=76, 4.21, 283, Pg, Pb, 22 05 02.7 -1.0, MRKS, Merke, 12nm,0.4s, f/Lg, Lg, 22 05 57.1, MRKS, Merke, 27nm,0.4s, 4.21, 283, eP, Sb, 22 05 02.7 -1.0, MRKS, Merke, 12nm,0.4s, f/S, Pb, 22 05 57.1 +2.4, SFK, Sufi-Kurgan, 27nm,0.4s, 4.44, 246, f/Pg, Pb, 22 05 08.9 +1.3, SFK, Sufi-Kurgan, 10nm,0.7s, f/Lg, Lg, 22 06 11.9, SFK, Sufi-Kurgan, baz=47, 4.44, 246, f/S, Pn, 22 04 56.1 -1.0, SFK, Sufi-Kurgan, baz=47, f/S, Sn, 22 05 46.9 -2.1, MNAS, Manas, baz=47, 4.71, 279, f/Pg, Pb, 22 05 13.9 +1.8, MNAS, Manas, 7.1nm,0.7s, f/Lg, Lg, 22 06 16.5, MNAS, Manas, 10nm,0.6s, 4.71, 279, Pg, Pb, 22 05 12.6 +0.4, MNAS, Manas, 5.3nm,0.5s, f/Lg, Lg, 22 06 14.2, MNAS, Manas, baz=80, 4.71, 279, eP, Sn, 22 05 00.4 -0.3, MNAS, Manas, baz=80, f/S, Sn, 22 05 54.6 -1.0, MAKZ, Makanchi, 0.9nm,0.5s, 5.39, 24, f/Pn, Pn, 22 05 09.2 -0.7, MAKZ, Makanchi, 1.4nm,0.4s, f/Sn, Sn, 22 06 13.3 +1.2, MAKZ, Makanchi, 3.2nm,0.8s, f/Lg, Lg, 22 06 39.1, MK31, Makanchi Array, 0.9nm,0.5s, baz=20.1, slow=12, SNR=36, 5.48, 26, f/Pn, Pn, 22 05 12.1 +1.0, MK31, Makanchi Array, 1.4nm,0.4s, baz=20.2, slow=22, SNR=7.9, Sn, 22 06 13.8 -0.4, MK31, Makanchi Array, 3.1nm,0.5s, f/Lg, Lg, 22 06 41.6, KK31, Karatay Array, 6.24, 284, f/Pg, Pb, 22 05 42.0 +3.8, KK31, Karatay Array, 3.3nm,0.7s, baz=88, slow=16, SNR=23, f/Lg, Lg, 22 07 06.0, OTUK, Ortayu, 3.6nm,0.5s, baz=103, slow=27, SNR=11, 7.80, 326, f/Lg, Lg, 22 07 54.4, KURBS, Kurchatov Arra, 11nm,0.7s, 8.71, 359, f/Lg, Lg, 22 08 26.6

Table with columns: MEX 21 22:17:03.9, 0.4, 15.79N, 96.48W, h28km, MD3.5, Near coast of Oaxaca, Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, PANG, Puerto Angel, 0.13, 177, f/P, ISC, h, m, s, ISC, PANG, Huatulco, 0.36, 94, f/S, Pb, 22 17 08.0 -1.1, HUIG, Huatulco, 0.36, 94, f/S, Sb, 22 17 11.1 -1.6, HUIG, Huatulco, 0.36, 94, eS, Pb, 22 17 10.5 -1.5, VHO, Vista Hermosa, 1.29, 349, eP, Pn, 22 17 16.0 -1.6, CMIG, Matias Romero, 2.00, 50, f/P, Pn, 22 17 23.8 -2.6, CMIG, Matias Romero, 2.00, 50, f/S, Sn, 22 17 34.3 -1.6, CMIG, Matias Romero, 2.00, 50, f/S, Sn, 22 17 57.3 -2.7, SOME 21 22:27:44.8, 42:30N, 71:62E, h15km, NNC 21 22:27:44.0, 0.5, 42:38N, 71:60E, h0km, mb3.0, mpv2.9, Error ellipse: s-maj=5.8km s-min=1.6km az=14.0, KRNET 21 22:27:45.0, 0.1, 42:26N, 71:75E, h13km, mb2.6, ISC 21 22:27:43.1, 1.3, 42:37N, 0:03.7, 58E, 0.04, h2km, 11km, n44, c16170, 20C-17D, Kirgystan, Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, ARK, Arkit, baz=61, 0.64, 153, f/S, Pg, 22 27 55.5 +0.3, ARK, Arkit, baz=61, f/S, Sb, 22 28 03.4 -0.1, MNAS, Manas, 3.7nm,0.3s, 0.69, 80, f/P, Pg, 22 27 57.5 +1.1, MNAS, Manas, 3.7nm,0.2s, f/S, Pg, 22 28 06.6 +1.2, MNAS, Manas, 12nm,0.1s, 0.69, 80, P, Pg, 22 27 57.5 +1.1, MNAS, Manas, 15nm,0.1s, 0.69, 80, S, Sb, 22 28 06.8 +1.5, MNAS, Manas, baz=68, 0.69, 80, f/S, Pg, 22 28 05.6 +0.2, MNAS, Manas, baz=68, f/S, Pg, 22 28 05.6 +0.2, KK31, Karatay Array, 1.08, 313, f/P, Pn, 22 28 05.2 0.0, KK31, Karatay Array, 0.7nm,0.2s, baz=162, slow=13, SNR=50, S, Sb, 22 28 19.0 -0.1, MRKS, Merke, 6.2nm,0.1s, 1.27, 72, P, Pg, 22 28 08.2 +0.8, MRKS, Merke, 6.2nm,0.1s, f/S, Sn, 22 28 25.3 -0.4, MRKS, Merke, 12nm,0.3s, 1.27, 72, f/S, Pg, 22 28 08.2 +0.8, MRKS, Merke, baz=66, f/S, Sn, 22 28 25.2 -0.4, MRKS, Merke, baz=66, 1.27, 72, f/S, Pg, 22 28 08.2 +0.8, MRKS, Merke, 2.3nm,0.1s, eS, Sn, 22 28 25.3 -0.4, ARSB, Arslanbob, 8.1nm,0.1s, 1.48, 134, f/P, Pn, 22 28 10.6 -0.2, ARSB, Arslanbob, baz=35, f/S, Sn, 22 28 28.5 -2.3, AML, Almayashu, baz=35, 1.59, 98, P, Pb, 22 28 13.5 +0.1, AML, Almayashu, SNR=1, 1.59, 98, f/S, Pb, 22 28 13.0 -0.3, AML, Almayashu, baz=95, f/S, Sb, 22 28 33.7 -0.3, EKS2, Erkin-Say, 1.65, 79, P, Pg, 22 28 15.2 +0.5, EKS2, Erkin-Say, SNR=27, 1.65, 79, f/S, Pg, 22 28 15.0 +0.3, EKS2, Erkin-Say, baz=74, f/S, Pb, 22 28 36.4 +0.3, ARLS, Aral, baz=1.0, 2.10, 103, f/S, Pg, 22 28 22.2 +0.2, ARLS, Aral, baz=1.0, f/S, Sb, 22 28 48.3 -0.3, AAK, Ala-Archa, SNR=7.0, 2.17, 82, P, Pb, 22 28 24.2 +1.0, AAK, Ala-Archa, 2.0nm,0.4s, 2.17, 82, f/Pg, Pb, 22 28 23.8 +0.7, AAK, Ala-Archa, 1.6nm,0.4s, f/Lg, Lg, 22 28 53.9, AAK, Ala-Archa, baz=79, f/S, Pg, 22 28 51.8 -1.0, UCH, Uchtor, SNR=5.7, 2.18, 93, P, Pb, 22 28 24.1 +0.6, UCH, Uchtor, SNR=5.7, 2.18, 93, f/S, Pb, 22 28 23.8 +0.3, UCH, Uchtor, baz=90, f/S, Sb, 22 28 51.7 +0.6, USP, Ospanovka, SNR=5.5, 2.33, 66, P, Pb, 22 28 25.2 -0.6, BTk, Batken, baz=98, 2.38, 194, f/S, Pb, 22 28 27.5 +0.9, BTk, Batken, baz=98, f/S, Sb, 22 28 57.5 +1.1, SGDS, Sogindy, 2.0nm,0.1s, 2.49, 63, Pg, Pb, 22 28 29.5 +0.9, SGDS, Sogindy, 5.2nm,0.3s, f/Lg, Lg, 22 29 02.0, KBK, Karagaybulak, SNR=5.5, 2.51, 82, P, Pg, 22 28 30.6 -0.5, KZA, Kyzart, SNR=7.0, 2.74, 95, P, Pb, 22 29 10.8 +3.6, KZA, Kyzart, SNR=7.0, 2.74, 95, f/S, Pb, 22 28 32.2 -0.8, KZA, Kyzart, baz=93, f/S, Sb, 22 29 05.8 -1.4, SFK, Sufi-Kurgan, 0.7nm,0.5s, 2.76, 148, f/Pg, Pb, 22 28 35.1 +1.8, SFK, Sufi-Kurgan, 2.7nm,0.4s, f/Lg, Lg, 22 29 10.4, SFK, Sufi-Kurgan, 0.5nm,0.1s, 2.76, 148, Pg, Pb, 22 28 33.4 +0.1, SFK, Sufi-Kurgan, 2.7nm,0.4s, f/Lg, Lg, 22 29 08.3, TKM2, Tokmak 2, 0.8nm,0.4s, 3.01, 78, f/Pg, Pb, 22 28 39.3 +1.8, TKM2, Tokmak 2, 0.8nm,0.4s, f/Lg, Lg, 22 29 18.6, DGS, Degeres, 2.9nm,0.6s, 3.21, 73, Pg, Pb, 22 28 41.5 +0.7, DGS, Degeres, 2.6nm,0.4s, f/Lg, Lg, 22 29 22.4, DGS, Degeres, 3.7nm,0.3s, 3.21, 73, eP, Pb, 22 28 41.5 +0.7, DGS, Degeres, baz=70, eS, Sb, 22 29 22.4 +2.1, DGS, Degeres, baz=70, 3.21, 73, eP, Pb, 22 28 41.5 +0.7, DGS, Degeres, 2.6nm,0.4s, f/S, Sb, 22 29 22.4 +2.1, KST, Kastek, 9.3nm,3.0s, 3.30, 77, Pg, Pb, 22 29 43.5 +1.1, KST, Kastek, 3.1nm,0.7s, f/Lg, Lg, 22 29 25.9, KST, Kastek, baz=74, 3.30, 77, f/S, Pb, 22 28 43.5 +1.1, KST, Kastek, baz=74, f/S, Sb, 22 29 26.0 +2.9, KST, Kastek, 9.3nm,3.0s, 3.30, 77, f/S, Sb, 22 29 43.5 +1.1, IZV, Izvestkoviy, 3.2nm,0.7s, 3.77, 78, Pg, Pg, 22 28 53.6 -1.7, IZV, Izvestkoviy, 2.6nm,0.5s, f/Lg, Lg, 22 29 43.1, IZV, Izvestkoviy, 2.5nm,0.5s, 3.77, 78, eP, Pg, 22 28 53.6 -1.7, IZV, Izvestkoviy, baz=76, eS, Pg, 22 29 43.1 -1.0, IZV, Izvestkoviy, baz=76, 3.77, 78, eP, Pg, 22 28 53.6 -1.7, IZV, Izvestkoviy, 2.2nm,0.5s, eS, Pg, 22 29 43.1 -1.0, IZV, Izvestkoviy, 2.5nm,0.5s, eS, Pg, 22 29 43.1 -1.0, KTBS, Karatobe, 3.97, 68, Pg, Pg, 22 28 57.3 -1.9

ICD 21 22:09:53.2, 1.2, 29:80N, 87:91E, h0km, mb3.6/9, mb1 3.8/10, mb1mx3.5/44, mb1mp3.6/10, ML3.0/1, Error ellipse: s-maj=36.8km s-min=22.8km az=48.0, BUJ 21 22:09:53.2, 30:05N, 88:11E, h7km, mb3.9/3, Ms3.4/2, ISCJB 21 22:09:57.1, 0.8, 29:9N, 0:1, 87:8E, 0:2, h37km, mb3.7/9, Error ellipse: s-maj=26.4km s-min=12.0km az=148.2, ISC 21 22:09:59.1, 1.0, 29:9N, 0:1, 88:0E, 0:2, h37km, n12, c0578/12, mb3.7/9, Xizang, Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, WMQ, Urumqi, 13.88, 359, eP, Pn, 22 13 12.6 -0.7, WMQ, comp=N, 71nm, 14.5s, f/LR, LR, 22 05 08.6, WMQ, comp=E, 61nm, 18.5s, LR, LR, 22 04 31.5 +0.1, CMAR, Chiang Mai Arr, 15.18, 136, Pn, 22 13 31.1 +0.2, MKAR, Makanchi Array, 17.42, 347, P, Pn, 22 13 59.5 +0.3, KURBS, Kurchatov Arra, 21.86, 344, P, P, 22 14 47.9 -0.5, SONMI, Sogino Array, 22.84, 33, P, P, 22 15 00.8 +1.7, AKASA, Hainan Array Be, 47.97, 313, P, P, 22 18 34.1 +0.1, FINES, FINES Array B, 50.81, 327, P, P, 22 18 56.2 +0.6, NOA, NORSAR Array B, 57.97, 326, P, P, 22 19 47.2 -0.4, NOA, NORSAR Array B, 57.97, 326, P, P, 22 19 47.2 -0.4

21d 23h

Table with columns: Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like KTBS, Karatobe, MDOK, etc.

NEIC 21 22:33:54.8-0.0, 41.22N-117.48W, h0km, ML3.5(REN), After REN., Nevada

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BMN, ELK, PAHR, etc.

ATH 21 22:51:07.8, 41.66N-20.44E, h10km, 3km, ML2.3/2, Error ellipse: s-maj=4.4km s-min=1.6km az=187.0

TIR 21 22:51:08.1, 41.47N-20.43E, h6km, ML2.6/6, Error ellipse: s-maj=4.5km s-min=2.9km az=149.8

WEO 21 22:51:10.9-0.5, 41.37N-20.41E, h10km, 3km, ML2.6/6, Error ellipse: s-maj=4.5km s-min=2.9km az=149.8

ISC 21 22:51:10.4-0.1, 41.42N-20.42E, h10km, 3km, ML2.6/6, Error ellipse: s-maj=4.5km s-min=2.9km az=149.8

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PPH, TIR, TIR, etc.

FNA 21 22:51:10.4-0.1, 41.42N-20.42E, h10km, 3km, ML2.6/6, Error ellipse: s-maj=4.5km s-min=2.9km az=149.8

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BCI, NEST, PDG, etc.

ISK 21 23:07:01.7, 38.36N-27.26E, h10km, ML2.1/7, Error ellipse: s-maj=9.1km s-min=6.2km az=42.8

DDA 21 23:07:02.0, 38.35N-27.24E, h7km, 1km, ML2.5/5, Error ellipse: s-maj=9.1km s-min=6.2km az=42.8

ISC 21 23:07:02.2, 1.0, 38.35N-0.04-27.24E, h14km, 8km, n13, c027/18, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like BLCB, URLA, ZEV, etc.

2015 FEB

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CHOS, MANT, KULA, etc.

ISC 21 23:17:58.5-0.9, 32.97S-179.19W, h0km, mb4.4/4, mb1 4.5/5, mb1mx4.1/36, mbtmp4.4/5, ML4.2/1, MS3.4/3, Ms1 3.4/3, ms1mx3.0/22, Error ellipse: s-maj=31.9km s-min=25.2km az=50.0

ISC 21 23:18:03.9-0.5, 33.33S-0.04-179.3W, 0.1, h45km, mb4.3/6, MS3.4/3, Error ellipse: s-maj=13.9km s-min=4.2km az=20.4

NEIC 21 23:18:03.9-0.7, 33.16S-179.19W, h35km, mb4.5/3, Error ellipse: s-maj=20.1km s-min=16.0km az=220.0

WEL 21 23:18:05.0-0.7, 33.17S-179.19W, 0.1, h33km, ML5.1/21, Error ellipse: s-maj=11.7km s-min=8.0km az=221.0

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GLKZ, MXZ, WMGZ, etc.

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

ISC 21 23:18:05.0-0.7, 33.32S-0.07-179.1W, 0.1, h45km, n61, c1847/74, mb4.3/6, MS3.4/3, South of Kermadec Islands

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Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like IFIR, ISHM, etc.

ISC 21 23:39:33.6-0.7, 29.98N-88.15E, h0km, mb3.9/14, mb1 4.1/16, mb1mx3.9/36, mbtmp3.9/16, ML3.8/2, MS2.9/3, Ms1 2.9/3, ms1mx2.6/30, Error ellipse: s-maj=29.5km s-min=15.2km az=49.0

ISC 21 23:39:34.3-0.3, 30.02N-0.04-87.91E, 0.05, h10km, mb3.9/16, MS3.0/2, Error ellipse: s-maj=6.6km s-min=4.3km az=143.5

BUL 21 23:39:36.0, 30.09N-88.07E, h9km, mb4.0/16, ML4.0/1, Error ellipse: s-maj=11.7km s-min=8.0km az=221.0

NEIC 21 23:39:37.0-2.9, 29.92N-87.99E, h21km, 21km, mb4.2/1, Error ellipse: s-maj=11.7km s-min=8.0km az=221.0

NDI 21 23:39:38.3-2.5, 30.14N-87.99E, h21km, ML4.0, mb4.2(NEIC), Error ellipse: s-maj=11.7km s-min=8.0km az=221.0

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like GTK, TADONG, TAWA, etc.

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

ISC 21 23:39:39.0-0.5, 29.96N-0.05-87.82E, 0.05, h10km, n43, c210/46, mb4.0/16, Xizang

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like G004, Tololo Observa, ROCHE, El Roble, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WRA, Warramunga Arr, ASAR, Alice Springs, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ERCV, ERGIS-VAN, TVAN, Van, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GLKZ, Green Lake, MXZ, Matakaoa Point, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WHHZ, Waihua, ARHZ, Aroapoanui, etc.

ISCJB 22 00:13:02.5:0.4, 8.01'S:0.09:11.41E:0.05, h132km, mb3.7/5, Error ellipse: s-maj=13.0km s-min=6.3km az=10.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PCJ, Pacitan, WUJ, Wonogiri, etc.

WRA Warramunga Arr 25.28 121 P 00 18 15.9 -0.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WRA, Warramunga Arr, ASAR, Alice Springs, etc.

UPP 22 00:20:00.4:0.6 67.83N:20.21E, h1km, ML2.4, Explosion

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KUA, Kurraavaara, KUA, Kurraavaara, etc.

NNC 22 00:21:38.1:9.7, 42.46N:84.68E, h0km, mb3.6, mpv3.2, 6C-5D, Error ellipse: s-maj=68.0km s-min=26.7km

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like PDGK, Podgornoye, PDGK, Podgornoye, etc.

NIED 22 00:26:00.33:60N:132.10E, h50km, Mw3.5 Best double couple: M1.92000x1014 NP1.3274.00000, 345.00000,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JNA, Nagahama, JKI, Kunimi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like UWA2, Kurahashi, JHM, Kurahashi, etc.

IDC 22 00:41:35.2:2.1, 7.81S:122.52E, h0km, mb3.5/1, mb1 3.5/3, mb1mx3.3/39, mbtmp3.3/3, ML2.9/2 Error ellipse: s-maj=273.0km s-min=30.5km az=56.0, Flores Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like WRA, Warramunga Arr, ASAR, Alice Springs, etc.

NIED 22 00:50.04:3.10N:146.80E, h44km, Mw3.9 Best double couple: M6.86000x1014 NP1.3235.00000, 838.00000,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like NEM2, Nemuro 2, YUK, Yuzh-Kuril'sk, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like GRPR, Tuman, GRPR, Tuman, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like LAGR, Lagunnoye, LAGR, Lagunnoye, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JKH, Kushirohmanakan, JKH, Rausu, etc.

ASAJ comp=N, 193nm, 18.4s, baz=301, slow=43 LR 00 54 26.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KUR, Kur, KUR, Kur, etc.

22d 1h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like H1N12 WAKE ISLAND HY 28.86 138 T, H1N11 WAKE ISLAND HY 28.87 138 T, H1N13 WAKE ISLAND HY 28.87 138 T, etc.

ISC 22 01:16:15.1+1.4, 3.18S-139.12E, h0km, mb3.3/2, mb1 3.7/3, mb1mx3.4/29, mbtmp3.5/3, ML3.5/1, MS2.7/1, Ms1 2.7/1, ms1mx2.3/15, Error ellipse: s-maj=29.7km s-min=14.3km az=153.0, Irian Jaya

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JAY Jayapura 1.71 67 P, WRA Waramunga Arr 17.30 195 P, ASAR Alice Springs 20.98 193 P, etc.

MOS 22 01:16:43.9-0.0, 43.78N-139.17E, h17km, MPV3.8 ISCJB 22 01:16:44.5-0.3, 43.79N-139.02-43.16E-0.02, h12km, 3km, Error ellipse: s-maj=4.1km s-min=2.3km az=29.7, NOR 22 01:16:44.4-0.0, 43.75N-139.17E, h12km, MPV3.8 ISC 22 01:16:44.1-0.8, 43.76N-139.02-43.17E-0.02, h16km, 6km, n31, c086/63, Western Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KBTC Kuba-Taba 0.18 73 Op, PYA1 Pyatigorsk 0.30 350 eP, BEYR Belyy Ugol+ 0.36 314 eP, SHAI Shidzhatmaz 0.37 266 eP, KIV0 Kislovodsk Arr 0.40 299 eP, etc.

ISC 22 01:25:40.5-1.6, 2.95S-127.84E, h0km, mb3.6/2, mb1 4.0/4, mb1mx3.5/44, mbtmp3.8/4, ML3.9/2, Error ellipse: s-maj=44.8km s-min=27.1km az=76.0, Cerrom Sea

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like SIJI Sorong 4.00 59 P, WRA Waramunga Arr 18.04 160 P, ASAR Alice Springs 21.41 165 P, MKAR Makanchi Arr 63.68 327 P, etc.

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JMA 22 01:27:37.7-0.1, 41.149N-141.98E, h64km, 2km, M3.1 ISC 22 01:27:38.2-1.0, 41.149N-141.96E-0.05, h59km, 10km, n24, c066/25, mb3.6/3, Hokkaido region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like JAH D Aomorihigashid 0.52 245 P, JAH D JARK Aomorirokkasho 0.66 223 P, JAH D JOT Ohta 0.70 261 P, etc.

PGC 22 01:34:30.3-2.9, 50.70N-130.51W, h10km, MLn2.8/8, Mw3.5/8, 217km west of Pt. Hardy, Bc Vancouver Island, Canada Region, Vancouver Island region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HOLB Holberg 1.51 91 P, HOLB HOB 1.51 91 P, HGAB Hotspring 1.65 345 Sn, etc.

TEH 22 01:39:22.7, 29.66N-57.10E, h6km, ML4.2 ISCJB 22 01:39:23.9-0.2, 29.69N-57.02-57.10E-0.03, h10km, mb4.0/17, MS2.8/1, Error ellipse: s-maj=3.5km s-min=2.5km az=5.1

ISC 22 01:39:24.5-0.8, 29.58N-56.96E, h14km, 4km, mb3.9/14, mb1 4.0/18, mb1mx3.8/58, mbtmp4.0/18, ML4.0/4, MS2.8/3, Ms1 2.8/3, ms1mx2.5/48, Error ellipse: s-maj=19.1km s-min=13.2km az=127.0

THR 22 01:39:24.4, 29.66N-57.06E, h16km, ML4.0 NEIC 22 01:39:24.4-0.0, 29.66N-57.06E, h16km, mb4.1/5, ML4.0(THR), MN4.2(TEH), After THR, OMAN 22 01:39:24.6-0.5, 29.68N-56.40E, h24km, ML4.1/10, Error ellipse: s-maj=27.2km s-min=6.8km az=264.0

DSN 22 01:39:28.5-1.0, 29.64N-56.88E, h24km, ML4.1/10, Error ellipse: s-maj=48.4km s-min=9.7km az=101.0 ISC 22 01:39:24.0, 29.67N-57.04E-0.03, h10km, n140, c187/148, mb4.2/18, Southern Irian

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like NGRK Negar Kerman 0.29 266 eP, KRBR Kerman 0.41 320 eP, KRBR Kerman 0.41 320 eP, KRBR Kerman 0.41 320 eP, etc.

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IDAH Dahanechah 3.89 37 Pn, IDAH Dahanechah 3.89 37 ePn, IDAH Koohdasht(Taba 3.94 1 ePn, IAMB IAMB 01 40 26.1 +1.8, 01 40 26.2 +1.9, 01 41 39.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like TABS Tabas 3.97 1 Pn, TABS Tabas 3.97 1 ePn, TABS Tabas 3.97 1 eAML, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like ASHO Ashiyah SNR=8.4 5.04 190 P, ASHO Ashiyah SNR=1 5.04 190 Pn, ASHO Ashiyah SNR=2 5.04 190 ePn, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like IZEF Zefreh 5.18 310 Pn, IZEF Zefreh 5.18 310 ePn, AJN Ajan 5.41 201 iP, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like HOQ Hoqain 6.06 178 ePn, BIDD Bidda 6.19 171 ePn, ARQ Aragi 6.32 185 P, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like CHGR Chuyangaron 13.43 45 ePn, CHGR Gurni 14.52 319 ePn, KKAR Karajay Arr 17.20 35 ePn, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Includes stations like KURB Kurchatov Arr 23.42 32 P, KURB Kurchatov Arr 23.42 32 P, KURK Kurchatov 26.53 32 eP, etc.





22d 3h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like TKM2 Tokmak 2, BVA0 Borovoye Array, and various other meteorological stations.

2013 FEB

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like BVA0 Borovoye Array, BVA0 Borovoye Array, and various other meteorological stations.

1632

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like ORLT Orhaneli, GEMT Gemlik, MDNY Mudanya-Bursa, and various other meteorological stations.

KRNET 22 03:18:41.6±0.1, 42.52N;79.66E, h8km, mb3.0
SOME 22 03:18:42.8, 42.53N;79.62E, h15km
NIC 22 03:18:42.9±1.1, 42.61N;79.63E, h0km, mb3.4, mpv3.0,
Error ellipse: s-maj=7.9km s-min=4.1km az=150.0
ISCJ 22 03:18:43.0±0.7, 42.55N;0.03;79.73E±0.05, h10km, Error
ellipse: s-maj=6.4km s-min=3.2km az=42.6
ISC 22 03:18:42.1±1.1, 42.49N;0.04;79.67E±0.04, h10km, n44,
c1378171, 23C-6D, Lake Issyk-Kul region

ISC 22 02:40:55.8±1.7, 9.80S;166.13E, h0km, mb3.5/3,
mb1.3/4, mb1mx3.5/26, mbtmp3.6/4, ML3.6/1, Error
ellipse: s-maj=58.4km s-min=30.4km az=127.0, Santa
Cruz Islands
Code Station Name Azimuth Phase ID Time Res
DZM Mont Dzumac 12.20 179 Op ISC h m s ISC
4.0nm, 0.3s, baz=324, slow=19, SNR=4.0
WRA Warramunga Arr 32.28 248 P 02 47 26.6 ±0.1
0.5nm, 0.6s, baz=79, slow=8.3, SNR=5.8
ASAR Alice Springs 33.70 242 P 02 47 38.7 ±0.2
0.4nm, 0.6s, baz=64, slow=10, SNR=4.5
ILAR Eielson Array 82.22 18 P 02 53 18.5 ±0.0
0.2nm, 0.7s, baz=237, slow=6.3, SNR=3.9

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like Taragay, Kyrgyz, MNBS, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like Vranov, KOLACNO, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like YULB, Yuhang, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like Ostrava-Krasne, CHZP, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like IDC, NEIC, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like HHC, KSR, etc.

22d 4h

Table of station data for 22d 4h, including columns for station name, coordinates, and various parameters like elevation and signal strength.

2015 FEB

Table of station data for 2015 FEB, including columns for station name, coordinates, and various parameters like elevation and signal strength.

1634

Table of station data for 1634, including columns for station name, coordinates, and various parameters like elevation and signal strength.

IDC 22 03:36:40.3:3.6, 22.92N:143.17E, h113km, 31km, mb3.3/5, mb1 3.5/6, mb1mx3.2/42, mbtmp3.7/6, Error ellipse: s-maj=37.9km s-min=21.7km az=101.0, Volcano Islands region

Table of station data for IDC 22 03:36:40.3:3.6, 22.92N:143.17E, including columns for station name, coordinates, and various parameters like elevation and signal strength.

IDC 22 04:02:03.5:1.3, 40.113N:113.99E, h0km, mb3.6/4, mb1 3.8/6, mb1mx3.4/39, mbtmp3.5/6, ML3.4/2, Error ellipse: s-maj=26.9km s-min=25.3km az=48.0

Table of station data for IDC 22 04:02:03.5:1.3, 40.113N:113.99E, including columns for station name, coordinates, and various parameters like elevation and signal strength.

KRNET 22 03:52:24.0:1.0, 42.54N:79.56E, h12km, mb2.9, NNC 22 03:52:23.6:0.9, 42.56N:79.63E, h0km, mb2.9, mpv2.9, Error ellipse: s-maj=6.1km s-min=3.3km az=151.0

Table of station data for KRNET 22 03:52:24.0:1.0, 42.54N:79.56E, including columns for station name, coordinates, and various parameters like elevation and signal strength.

IDC 22 04:02:04.6:0.6, 40.111N:105.05E, h104.0, h6km, n14, c2:210.21, mb3.6/1, N, Northeastern China

Table of station data for IDC 22 04:02:04.6:0.6, 40.111N:105.05E, including columns for station name, coordinates, and various parameters like elevation and signal strength.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like OMRZ, WHVZ, WATZ, ANWZ, etc.

ISC 22 05:11:14.9-0.9, 11.68Sx165.85E, h0km, mb4.2/8, mb1.4, 3/9, mb1mx4.0/43, mbtpm4.2/9, ML4.3/1, MS3.3/5, Ms1.3, 3/5, ms1mx3.0/28, Error ellipse: s-maj=31.6km, s-min=20.1km az=116.0

ISCJB 22 05:11:15.1-0.5, 11.58Sx165.82E, h0km, mb4.1/9, MS3.5/3, Error ellipse: s-maj=11.4km, s-min=8.3km az=155.5

NEIC 22 05:11:16.5-4.4, 11.58Sx165.86E, h9km, 27km, mb4.6/17, Error ellipse: s-maj=11.6km s-min=8.1km az=218.0

ISC 22 05:11:16.4-0.6, 11.58Sx165.87E, h0km, n49, e092/46, mb4.5/19, MS3.4/3, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR, DZM, DZM, DZM, etc.

SOME 22 05:12:18.0, 42.38N, 78.43E, h15km, KRNET 22 05:12:18.7, 0.1, 42.40N, 78.43E, h25km, mb4.2, NNC 22 05:12:18.5, 0.8, 42.42N, 78.43E, h0km, mb4.3, mpv4.2, Error ellipse: s-maj=6.1km s-min=2.4km az=169.0

ISC 22 05:12:19.3-1.0, 42.41N, 0.04, h10km, 6km, n77, e141/132, 26CZD, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like PRZ, PRZ, SATY, SATY, etc.

Main table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like UZB, UZB, UZB, UZB, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like NARN, DGS, DGS, DGS, etc.

NEIC 22 05:14:27.9-0.0, 18.25Nx102.08W, h73km, MD4.0(MEX), After MEX.

MEX 22 05:14:27.9-0.5, 18.25Nx102.08W, h73km, 11km, MD4.0, Code, Station Name, Az, Az', Phase ID, Time, Res

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ZIIG, ZIIG, ZIIG, etc.

DJA 22 05:16:51.3-1.2, 8.57N, 107.7E, h23km, 7km, M3.7/9, ML3.7/9, Jawa

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CISI, ZIIG, CMJI, etc.

AZER 22 05:22:26.6-5.8, 35.21N, 45.94E, h10km, ml3.6/7, Error ellipse: s-maj=59.0km s-min=28.2km az=59.0

ISN 22 05:22:27.1-1.0, 35.69N, 45.53E, h4km, 9km, ML3.7, TEH 22 05:22:28.9, 35.72N, 45.04E, h10km, ML3.7, ISC 22 05:22:28.1-1.3, 35.60N, 0.02, 45.79E, 0.03, h11km, 12km, n41, e203/54, 6C-6D, Iran-Iraq border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ILIN, ILIN, IKRK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and various station details like frequency and power.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and details for stations like KMB0, KMB1, KMB2, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and details for stations like KDAD, ILAR, YKA, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and details for stations like NNC, SFK, MNAS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and details for stations like CTA, WRA, ASAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and details for stations like DIDI, SMG, YKAV, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and details for stations like TAVA, AKHS, MANT, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and details for stations like DEMI, KHAI, AKAS, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and details for stations like SGSI, DDMP, GSPH, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and details for stations like KCP, BUKP, BIPH, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and details for stations like SANI, SANI, APSI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and details for stations like USAK, GOLH, DEMI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and details for stations like MKAR, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and details for stations like GAR, SEY, CHGR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, and details for stations like IM3, ILAR, BR10, etc.





658A	Bunnell	52.41 346	P	P	07 50 38.8 +0.1
656A	Willston	52.67 344	eP	P	07 50 41.0 +0.5
656A	Willston	52.67 344	P	P	07 50 40.6 +0.1
657A	Interlachen	52.71 345	P	P	07 50 40.9 +0.1
655A	Horseshoe Beach	52.99 344	P	P	07 50 42.8 -0.1
557A	Orange Park	53.09 345	P	P	07 50 43.8 +0.2
555A	McAlpin	53.50 344	eP	P	07 50 46.5 0.0
555A	McAlpin	53.50 344	P	P	07 50 46.6 0.0
457A	Yulee	53.63 346	P	P	07 50 47.7 +0.2
554A	Perry	53.65 343	P	P	07 50 47.8 +0.1
456A	Hilliard	53.84 345	eP	P	07 50 49.8 +0.7
456A	Hilliard	53.84 345	P	P	07 50 49.4 +0.3
553A	Crawfordville	53.95 343	P	P	07 50 50.2 +0.4
455A	Stateville	54.10 344	P	P	07 50 50.8 -0.1
454A	Quitman	54.23 344	P	P	07 50 51.8 -0.1
356A	Blackshear	54.44 345	P	P	07 50 53.3 -0.2
453A	Whigham	54.55 343	eP	P	07 50 54.3 +0.1
453A	Whigham	54.55 343	P	P	07 50 54.1 -0.1
TIGA	Tifton	54.91 344	eP	P	07 50 56.9 +0.1
TIGA	Tifton	54.91 344	P	P	07 50 56.5 -0.3
353A	Camilla	54.99 343	P	P	07 50 56.9 -0.5
256A	Glennville	55.02 346	P	P	07 50 57.5 -0.1
255A	Hazlehurst	55.10 345	eP	P	07 50 58.1 -0.1
255A	Hazlehurst	55.10 345	P	P	07 50 57.9 -0.3
351A	Pinckard	55.30 342	P	P	07 50 59.2 -0.5
352A	Blakely	55.30 343	eP	P	07 50 59.5 -0.2
352A	Blakely	55.30 343	P	P	07 50 59.1 -0.5
254A	Abbeville	55.32 344	P	P	07 50 59.3 -0.4
RGRS	Roger Stewart	55.56 348	eP	P	07 51 02.1 +0.7
253A	Americus	55.64 344	eP	P	07 51 01.7 -0.3
253A	Americus	55.64 344	P	P	07 51 01.4 -0.6
252A	Lumpkin	55.74 343	P	P	07 51 02.0 -0.8
NHSC	New Hope	55.75 348	eP	P	07 51 03.5 +0.8
NHSC	New Hope	55.75 348	eP	P	07 51 35.3 +2.2
NHSC	New Hope	55.75 348	P	P	07 51 02.9 +0.1
155A	Kite	55.77 346	P	P	07 51 02.7 -0.2
349A	Repton	55.85 340	P	P	07 51 03.3 -0.2
154A	Montrose	55.91 345	eP	P	07 51 04.1 +0.2
154A	Montrose	55.91 345	P	P	07 51 03.6 -0.4
251A	Midway	56.02 342	P	P	07 51 03.9 -0.8
153A	Fort Valley	56.12 344	P	P	07 51 04.9 -0.6
250A	Grady	56.16 342	P	P	07 51 05.0 -0.7
255A	Blythe	56.27 346	P	P	07 51 05.9 -0.5
152A	Waverly Hall	56.37 343	eP	P	07 51 06.5 -0.8
152A	Waverly Hall	56.37 343	P	P	07 51 06.5 -0.8
151A	Opelika	56.40 343	P	P	07 51 06.6 -0.9
249A	Camden	56.41 341	P	P	07 51 06.8 -0.7
Z54A	Sparta	56.44 345	P	P	07 51 07.1 -0.7
Z53A	Monticello	56.66 345	P	P	07 51 08.6 -0.7
150A	Eclectic	56.67 342	P	P	07 51 08.5 -0.9
GOGA	Godfrey	56.76 345	eP	P	07 51 09.6 -0.4
GOGA	Godfrey	56.76 345	P	P	07 51 09.3 -0.7
KVTX	Kingsville	56.77 328	eP	P	07 51 08.2 -2.0
X59A	McDuffie Farm,	56.89 350	P	P	07 51 10.4 -0.5
Y55A	Saluda	56.89 347	P	P	07 51 10.7 -0.3
X58A	Rowland	57.00 349	P	P	07 51 11.3 -0.3
Y54A	Tignall	57.01 346	P	P	07 51 11.2 -0.5
X57A	Johnson Farm,	57.05 348	P	P	07 51 11.1 -0.8
JSC	Jenkinsville	57.10 347	eP	P	07 51 12.6 +0.3
Z51A	Franklin	57.11 343	P	P	07 51 11.6 -0.8
Y53A	Monroe	57.21 345	P	P	07 51 12.4 -0.8
Z50A	Ashland	57.25 342	eP	P	07 51 13.1 -0.4
Z50A	Ashland	57.25 342	P	P	07 51 12.7 -0.8
X56A	White Oak	57.26 348	P	P	07 51 13.4 0.0
HODG	Hodges	57.26 346	eP	P	07 51 13.4 -0.1
Y52A	Liburn	57.34 344	eP	P	07 51 13.6 -0.5
Y52A	Liburn	57.34 344	P	P	07 51 13.1 -0.9
LRAL	Lakeview Retre	57.36 341	eP	P	07 51 13.5 -0.7
LRAL	Lakeview Retre	57.36 341	P	P	07 51 13.2 -1.0
X55A	Gracelyn & Ava	57.36 347	P	P	07 51 14.1 -0.1
Z49A	Columbiana	57.37 342	P	P	07 51 13.3 -1.0
X54A	Belton	57.59 346	P	P	07 51 15.6 -0.2
Y51A	Rockmart	57.63 344	P	P	07 51 15.3 -0.8
PAUL	Pauline	57.74 347	eP	P	07 51 17.1 +0.2
X53A	Estanolee	57.76 345	P	P	07 51 16.7 -0.3
Y50A	Piedmont	57.80 343	P	P	07 51 17.2 -0.1
145A	Houston Renfro	57.90 338	P	P	07 51 17.5 -0.5
KMSC	Kings Mountain	57.95 347	eP	P	07 51 17.8 -0.5
KMSC	Kings Mountain	57.95 347	P	P	07 51 18.2 0.0
Y49A	Blount Mountai	57.96 342	eP	P	07 51 17.7 -0.7
Y49A	Blount Mountai	57.96 342	eP	P	07 51 49.5 +0.5
Y49A	Blount Mountai	57.96 342	P	P	07 51 17.4 -1.0
X52A	Dahlonega	58.00 345	P	P	07 51 18.2 -0.5
W54A	Cherokee Point	58.07 347	P	P	07 51 19.3 +0.1
BG3	Lake Jocassee	58.15 346	eP	P	07 51 20.3 +0.6
X51A	Calhoun	58.20 344	eP	P	07 51 20.1 0.0

X51A	Calhoun	58.20 344	P	P	07 51 19.7 -0.4
X50B	Fort Payne	58.31 343	P	P	07 51 20.4 -0.5
W53A	Cullowhee	58.37 346	P	P	07 51 21.1 -0.3
W52A	Murphy	58.48 345	P	P	07 51 21.4 -0.6
X49A	Woodville	58.55 343	P	P	07 51 21.8 -0.7
X48A	Hartselle	58.70 342	eP	P	07 51 23.1 -0.4
X48A	Hartselle	58.70 342	eP	P	07 51 55.1 +0.9
X48A	Hartselle	58.70 342	P	P	07 51 22.7 -0.7
W51A	Cleveland	58.74 344	eP	P	07 51 23.2 -0.7
W53A	Saluda	58.77 346	eP	P	07 51 24.0 0.0
V53A	Saluda	58.77 346	P	P	07 51 23.5 -0.6
W50A	Signal Mountai	58.92 344	eP	P	07 51 24.9 -0.2
W50A	Signal Mountai	58.92 344	P	P	07 51 24.4 -0.7
CPCT	Cooper Cave	58.96 345	eP	P	07 51 25.1 -0.3
TKL	Tuckaleechee C	58.98 345	eP	P	07 51 25.1 -0.4
X47A	Russelville	58.99 341	P	P	07 51 24.4 -1.2
W49A	Belvidere	59.10 343	P	P	07 51 25.5 -0.8
SWET	Sewanee	59.10 343	eP	P	07 51 25.7 -0.6
V52A	Sevierville	59.11 346	eP	P	07 51 26.1 -0.3
V52A	Sevierville	59.11 346	P	P	07 51 25.4 -0.9
SHEL	Hot Pasture	59.15 96	eP	P	07 51 29.2 +2.0
X46A	Booneville	59.25 341	P	P	07 51 26.1 -1.2
V51A	Loudon	59.25 345	eP	P	07 51 26.9 -0.4
V51A	Loudon	59.25 345	P	P	07 51 26.3 -1.0
W48A	Pulaski	59.30 342	P	P	07 51 26.7 -1.0
V50A	Pikeville	59.31 344	P	P	07 51 27.1 -0.7
U53A	Fall Branch	59.38 347	P	P	07 51 27.6 -0.7
OXF	Oxford	59.47 340	P	P	07 51 28.1 -0.8
U52A	Thorn Hill	59.59 346	P	P	07 51 28.5 -1.1
W47A	Westpoint	59.60 342	P	P	07 51 28.8 -1.0
V49A	McMinnville	59.61 343	P	P	07 51 28.8 -1.0
VNA3	Neumayer Olymp	59.63 161	P	P	07 51 30.3 +0.7
U51A	Follette	59.72 345	P	P	07 51 29.9 -0.7
TZTN	Tazewell	59.77 346	eP	P	07 51 30.6 -0.3
TZTN	Tazewell	59.77 346	P	P	07 51 30.0 -0.9
BLA	Blacksburg	59.78 349	eP	P	07 51 31.3 +0.4
BLA	Blacksburg	59.78 349	P	P	07 51 31.2 +0.2
VNA1	Neumayer-Stat	59.83 160	P	P	07 51 32.0 +1.1
V48A	Smith Brothers	59.84 343	eP	P	07 51 30.9 -0.5
V48A	Smith Brothers	59.84 343	P	P	07 51 30.5 -0.8
T54A	Tazewell	59.85 348	P	P	07 51 31.1 -0.4
U50A	Jamestown	59.96 345	P	P	07 51 31.3 -0.9
T53A	Wise	59.97 347	P	P	07 51 31.8 -0.6
WLAR	White Oak Lake	60.01 336	eP	P	07 51 33.6 +1.0
R58B	Mineral	60.11 351	eP	P	07 51 33.5 +0.4
V47A	Nunnely	60.12 342	P	P	07 51 32.1 -1.2
JCT	Junction City	60.13 329	eP	P	07 51 34.6 +1.1
JCT	Junction City	60.13 329	P	P	07 51 33.2 -0.3
TS2A	Hallie	60.19 346	P	P	07 51 33.0 -0.7
VNA2	Neumayer-Watz	60.20 161	P	P	07 51 34.1 +0.7
V46A	Holladay	60.27 342	P	P	07 51 33.1 -1.2
T51A	Gray	60.27 346	P	P	07 51 33.4 -0.9
U49A	Red Boiling Sp	60.29 344	P	P	07 51 33.5 -0.9
S55A	Lewisburg	60.34 349	P	P	07 51 35.3 +0.5
U48A	Cassie Pea, Po	60.48 343	P	P	07 51 35.1 -0.7
WVT	Waverly	60.49 342	eP	P	07 51 34.9 -0.8
WVT	Waverly	60.49 342	P	P	07 51 34.6 -1.2
T50A	Nancy	60.53 345	P	P	07 51 35.1 -0.9
U47A	Clarksville	60.62 342	P	P	07 51 35.7 -1.0
SLBS	Sierra La Lagu	60.70 316	eP	P	07 51 39.6 +2.1
SLBS	Sierra La Lagu	60.70 316	eP	P	07 52 10.2 +2.1
R55A	Marlinton	60.77 349	P	P	07 51 38.1 +0.4
T49A	Edmonton	60.78 344	eP	P	07 51 37.2 -0.6
T49A	Edmonton	60.78 344	P	P	07 52 09.5 +0.8
U46A	Springville	60.80 342	P	P	07 51 36.7 -1.0
R54A	Victor	60.82 349	P	P	07 51 38.0 -0.1
S51A	Beattyville	60.83 346	P	P	07 51 37.1 -0.9
MIAR	Mount Ida	60.95 336	eP	P	07 51 38.7 -0.2
MIAR	Mount Ida	60.95 336	eP	P	07 52 10.9 +1.1
MIAR	Mount Ida	60.95 336	P	P	07 51 38.4 -0.5
T48A	Bowling Green	61.01 344	P	P	07 51 38.3 -1.0
W41B	Gary Mavity, V	61.03 338	P	P	07 51 38.6 -0.8
S50A	Richmond	61.05 345	P	P	07 51 38.8 -0.8
T47A	Sharon Grove	61.09 343	eP	P	07 51 39.2 -0.6
T47A	Sharon Grove	61.09 343	P	P	07 51 38.8 -1.0
WHAR	Woolly Hollow	61.15 338	eP	P	07 51 40.0 -0.2
TXAR	Lajitas Arroy	61.18 325	P	P	07 51 41.1 +0.4
TXAR	Lajitas Arroy	61.18 325	P	P	07 52 07.8 -3.7
TX31	Compass	61.18 325	eP	P	07 51 41.2 +0.5
TX31	Compass	61.18 325	eP	P	07 52 12.0 +0.6
T46A	Princeton	61.36 342	P	P	07 51 40.6 -1.0
S49A	Sevierville	61.37 345	P	P	07 51 40.6 -1.1
U44A	Portageville	61.39 340	P	P	07 51 40.9 -0.9
S48A	Wiedeman Farm,	61.44 344	P	P	07 51 40.8 -1.4
Q55A	Buckhannon	61.46 350	P	P	07 51 43.0 +0.7
R51A	Hillsboro	61.46 346	P	P	07 51 41.5 -0.8

T45A	Paducah	61.55 342	P	P	07 51 41.9 -1.0
Q54A	Coxs Mills	61.58 349	P	P	07 51 42.7 -0.3
S47A	Hartford	61.59 343	P	P	07 51 41.9 -1.3
W39A	Magazine	61.61 336	eP	P	07 51 44.2 +0.8
W39A	Magazine	61.61 336	P	P	07 51 43.4 +0.1
U42A	Revdenden	61.75 339	P	P	07 51 43.3 -1.0
R49A	Shelbyville	61.82 345	P	P	07 51 44.0 -0.7
Q52A	Bidwell	61.83 348	P	P	07 51 44.0 -0.7
SNA4	Sanae	61.83 161	P	P	07 51 45.0 +0.4
SNA4	Sanae	61.83 161	eP	P	07 51 45.1 +0.6
PBMO	Poplar Bluff	61.88 340	eP	P	07 51 44.7 -0.4
T44A	Benton	61.90 341	P	P	07 51 44.5 -0.7
S46A	Don Dixon Farm	61.91 343	P	P	07 51 44.1 -1.2
P55A	Reedsville	61.91 350	P	P	07 51 45.0 -0.4
MVL	Millersville	61.92 353	eP	P	07 51 45.8 +0.5
U41A	Viola	61.97 339	P	P	07 51 44.6 -1.1
WCI	Wyandotte Cave	62.04 344	eP	P	07 51 45.3 -0.9
WCI	Wyandotte Cave	62.04 344	P	P	07 51 45.3 -0.9
MCWV	Mont Chateau	62.06 350	eP	P	07

22d 7h

M54A	Oil Creek Stat	63.84 351	P	P	07 52 30.6 +1.6
M54A	Golden Eagle	63.87 341	P	P	07 51 57.8 -0.3
Q42A	Sheridan	63.91 345	P	P	07 51 57.5 -1.0
O47A	WI Miller and	63.94 350	P	P	07 51 58.3 -0.4
M53A	Cornudas Mount	63.95 325	eP	P	07 51 59.2 +0.2
MNTX	Cornudas Mount	63.95 325	eP	P	07 52 30.1 +0.1
MNTX	Binghamton	64.05 354	eP	P	07 51 58.2 -0.8
BINY	Binghamton	64.05 354	P	P	07 51 59.8 +0.3
BINY	Elyria	64.10 348	P	P	07 51 59.5 +0.1
M51A	Columbus Grove	64.11 347	eP	P	07 51 59.3 -0.4
N49A	Columbus Grove	64.11 347	eP	P	07 51 58.7 -1.1
N49A	Truxton	64.12 340	P	P	07 52 31.9 +0.9
Q41A	Chesterland	64.15 349	P	P	07 51 58.6 -1.1
M52A	Decatur	64.23 346	P	P	07 51 59.2 -0.9
N48A	Skaggs, Pawnee	64.24 342	P	P	07 51 59.5 -1.1
P43A	Lafayette	64.27 344	eP	P	07 51 59.5 -1.2
SFIN	Potomac	64.31 344	P	P	07 51 59.9 -0.9
O45A	Hinsdale	64.33 352	P	P	07 52 02.2 +0.2
L55A	Girard	64.37 350	P	P	07 51 59.7 -1.4
L53A	Urban	64.40 345	P	P	07 52 00.2 -1.1
N47A	Muleshoe	64.43 329	P	P	07 52 01.1 -0.4
MSTX	Winchester	64.43 341	P	P	07 52 01.6 -0.1
P42A	Erie	64.49 350	eP	P	07 52 01.3 -0.9
ERPA	Erie	64.49 350	eP	P	07 52 00.7 -1.2
ERPA	Liberty Center	64.59 347	P	P	07 52 04.4 +0.2
M49A	Monticello	64.67 345	P	P	07 52 32.4 -0.8
N46A	Barry, Barry	64.73 341	P	P	07 52 01.8 -0.9
P41A	Edgerton	64.76 346	P	P	07 52 03.2 -0.7
M48A	Perry	64.82 352	P	P	07 52 03.8 -0.2
O45A	Pasleys Farm,	65.08 341	P	P	07 52 02.4 -0.1
K11A	N Adams	65.14 347	P	P	07 52 04.2 -0.1
L48A	Milan	65.16 347	P	P	07 52 05.0 -1.1
L49A	Tilsonburg	65.25 350	P	P	07 52 05.5 -1.0
K52A	Stutzman Famil	65.35 343	P	P	07 52 05.3 -1.3
N43A	Saint Catharin	65.44 351	P	P	07 52 06.6 -0.6
STCO	Yates City	65.49 342	P	P	07 52 07.1 -0.7
N42A	Harden Midland	65.61 341	P	P	07 52 07.9 -0.9
N41A	Newcomb	65.65 355	eP	P	07 52 08.2 -1.3
NCB	Paris	65.66 350	eP	P	07 52 10.2 +0.4
J52A	Waltham Townsh	65.75 343	P	P	07 52 09.0 -0.8
M43A	K48A	65.90 347	P	P	07 52 09.1 -1.3
K48A	Acton	65.96 351	P	P	07 52 10.5 -0.9
ACTO	Mertquake, Sal	66.00 341	P	P	07 52 11.3 -0.4
N40A	DRWO Darlington Wes	66.03 352	P	P	07 52 11.8 -0.2
DRWO	St. Marys Ceme	66.03 352	P	P	07 52 12.0 -0.1
DRCO	Pickering	66.17 352	P	P	07 52 12.1 0.0
PKRO	Listowel	66.30 350	P	P	07 52 12.4 -0.6
I51A	J48A Bridge Port	66.31 348	P	P	07 52 13.6 -0.3
J48A	Garden Prairie	66.39 344	P	P	07 52 13.1 -0.8
L43A	H56A	66.45 354	P	P	07 52 14.0 -0.5
H56A	Post Highland	66.45 341	P	P	07 52 14.9 +0.1
M40A	J47A	66.46 347	P	P	07 52 15.4 -0.4
J47A	FRNY Flat Rock	66.47 356	eP	P	07 52 13.8 -1.1
FRNY	PKME Peaks-Kenny Pt	66.73 359	P	P	07 52 15.4 +0.4
PKME	L41A	66.77 342	P	P	07 52 16.9 +0.3
L41A	K43A Burlington	66.77 344	eP	P	07 52 16.5 -0.4
K43A	SADO	66.96 352	eP	P	07 52 16.8 -0.8
SADO	ANMO Albuquerque	67.04 327	eP	P	07 52 15.8 +0.5
ANMO	ANMO Albuquerque	67.04 327	eP	P	07 52 19.1 +0.1
ANMO	BMRO	67.10 350	P	P	07 52 19.1 +0.1
BMRO	K42A	67.11 343	P	P	07 52 18.7 -0.3
K42A	K41A	67.21 343	P	P	07 52 18.9 -0.2
K41A	G53A	67.24 352	P	P	07 52 19.2 -0.5
G53A	H46A	67.27 347	P	P	07 52 19.2 -0.5
H46A	LMN	67.39 3	eP	P	07 52 19.5 -0.3
LMN	PEMO	67.63 353	P	P	07 52 20.3 -0.4
PEMO	BUKO	67.66 352	P	P	07 52 22.0 -0.2
BUKO	KLBO	67.69 351	P	P	07 52 22.0 -0.4
KLBO	K39A	67.75 341	P	P	07 52 22.0 -0.5
K39A	T25A	67.77 329	eP	P	07 52 22.6 -0.6
T25A	H46A	67.78 347	P	P	07 52 24.7 +1.1
H46A	TRQ	67.92 355	eP	P	07 52 22.2 -1.1
TRQ	LIC	67.93 73	eP	P	07 52 24.4 +0.3
LIC	ALGO	67.99 353	P	P	07 52 24.6 -0.3
ALGO	F52A	68.00 352	P	P	07 52 24.5 0.0
F52A	I42A	68.03 344	eP	P	07 52 24.1 -0.5
I42A	I42A	68.03 344	P	P	07 52 24.3 -0.6
I42A	J40A	68.06 343	P	P	07 52 24.2 -0.6
J40A	TIC	68.12 73	eP	P	07 52 24.4 -0.6
TIC	KIC	68.25 73	eP	P	07 52 25.9 -0.2
KIC	DBIC	68.28 73	eP	P	07 52 26.8 0.0
DBIC	DBIC	68.28 73	eP	P	07 52 27.2 +0.1
DBIC	DBIC	68.28 73	P	P	07 52 27.1 +0.1

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DBIC	Dimbokro	68.28 73	eP	P	07 52 26.9 -0.1
E53A	Dumoine, Ponti	68.36 353	P	P	07 52 26.8 -0.1
E54A	Lac Duplat, Po	68.37 353	P	P	07 52 26.9 0.0
QSPA	South Pole Qui	68.41 180	eP	P	07 52 28.0 +0.8
F48A	Evansville	68.53 349	eP	P	07 52 28.0 +0.1
BGNE	Belgrade	68.69 336	eP	P	07 52 29.1 0.0
BGNE	Belgrade	68.69 336	P	P	07 52 29.0 0.0
I39A	Houston	68.70 342	P	P	07 52 29.3 +0.3
E51A	G1948 Merrick	68.74 352	P	P	07 52 29.5 +0.3
BATG	Bathurst New B	68.77 2	eP	P	07 52 29.6 +0.3
SDCO	Great Sand Dun	68.78 329	eP	P	07 52 31.1 +1.2
E50A	Wahnapitae	68.81 351	P	P	07 52 29.6 0.0
LA7Q	La Tuque	68.96 357	P	P	07 52 30.6 +0.1
D54A	Lac Fusel, La	69.02 354	P	P	07 52 30.4 -0.6
D52A	ZEC Kipawa Sen	69.04 353	P	P	07 52 30.9 -0.1
D53A	Lac Vacive, Po	69.06 353	P	P	07 52 30.9 -0.2
E48A	Lockeyer	69.09 350	P	P	07 52 31.4 +0.1
H40A	Chili	69.10 343	P	P	07 52 31.3 -0.2
G42A	Mountain	69.18 345	eP	P	07 52 31.2 -0.7
E47A	Iron Bridge	69.25 349	P	P	07 52 32.2 -0.1
X16A	Lo Mia Camp, P	69.32 323	eP	P	07 52 35.4 +2.1
G41A	Antigo	69.33 344	P	P	07 52 32.5 -0.4
S22A	4UR Ranch, Cre	69.42 328	eP	P	07 52 35.4 +1.4
Q24A	Divide	69.58 330	eP	P	07 52 36.5 +1.6
D48A	Paudash Townsh	69.71 350	P	P	07 52 34.8 -0.4
D49A	Beulah Townshi	69.73 351	P	P	07 52 35.6 +0.3
D47A	Chapleau	69.81 349	P	P	07 52 35.2 -0.5
F41A	Three Lakes	69.81 345	P	P	07 52 35.2 -0.6
MVCO	Mesa Verde	69.84 327	eP	P	07 52 37.7 +1.2
MVCO	Mesa Verde	69.84 327	eP	P	07 53 09.7 +1.9
MVCO	Mesa Verde	69.84 327	eP	P	07 52 37.7 +1.2
Y14A	Wickenburg	69.86 321	eP	P	07 53 07.4 +0.9
G38A	Ridgeland	70.00 342	P	P	07 52 38.2 +2.0
VLDQ	Val d'Or	70.06 353	eP	P	07 52 36.7 -0.3
WUJZ	Wupatki	70.09 324	eP	P	07 52 37.5 +0.3
WUJZ	Wupatki	70.09 324	eP	P	07 52 39.7 +1.8
WUJZ	Wupatki	70.09 324	eP	P	07 52 39.7 +1.7
F40A	Park Falls	70.23 344	P	P	07 52 38.4 +0.1
ISCO	Idaho Springs	70.47 330	eP	P	07 52 41.1 +0.8
ISCO	Idaho Springs	70.47 330	eP	P	07 52 41.1 +0.8
ISCO	Idaho Springs	70.47 330	eP	P	07 53 13.4 +1.5
PV01	Paradox Valley	70.58 327	eP	P	07 52 40.4 +0.1
PV01	Paradox Valley	70.58 327	eP	P	07 52 42.4 +1.4
SMCO	Snowmass	70.61 329	eP	P	07 52 44.5 +2.2
SMCO	Snowmass	70.61 329	eP	P	07 52 42.6 +1.3
SMCO	Snowmass	70.61 329	eP	P	07 53 14.6 +1.9
Y12C	Blythe	70.62 320	eP	P	07 52 42.6 +1.6
E40A	Waldfield	70.67 344	P	P	07 52 41.1 +0.1
PV13	Radium Mtn., P	70.73 327	eP	P	07 52 43.0 +1.1
F37A	Hinrichs Farm,	70.73 342	P	P	07 52 43.0 +1.1
E39A	Mellen	70.77 344	P	P	07 52 41.6 -0.1
PV03	Paradox Valley	70.82 327	eP	P	07 52 42.9 +0.5
PV12	Saucer Basin,	70.84 327	eP	P	07 52 41.6 -0.1
D41A	Chassel	70.92 345	eP	P	07 52 42.9 +0.5
D41A	Chassel	70.92 345	eP	P	07 52 42.4 -0.1
LSQJ	Lebel-Sur-Quev	71.14 354	P	P	07 52 44.0 +1.5
BC3	Big Chuckawall	71.11 320	P	P	07 52 42.3 -0.3
PV09	Paradox Valley	71.15 327	eP	P	07 52 45.6 +1.5
MONP2	Monument Peak	71.17 319	eP	P	07 52 45.0 +1.3
BAR	Barrett	71.18 318	eP	P	07 52 45.5 +1.1
W13A	Hualapai Mount	71.20 322	eP	P	07 52 45.5 +1.1
U15A	North Rim	71.26 324	eP	P	07 52 47.1 +2.3
IRM	Iron Mountain	71.27 320	P	P	07 52 46.9 +1.7
N23A	Red Feather La	71.50 331	eP	P	07 52 46.4 +1.4
N23A	Red Feather La	71.50 331	eP	P	07 52 48.0 +1.6
N23A	Red Feather La	71.50 331	eP	P	07 52 47.5 +1.0
CHGQ	Chibougamau	71.58 356	P	P	07 52 46.0 +1.3
BELC	Belle Mtn. Jos	71.67 320	P	P	07 52 46.2 -0.2
XPFO	Pion Flat	71.68 319	eP	P	07 52 48.5 +0.9
PFO	Pinyon Flats O	71.69 319	eP	P	07 52 48.8 +1.2
PFO	Pinyon Flats O	71.69 319	eP	P	07 52 48.4 +0.8
MATO	Matagami	71.70 354	P	P	07 52 48.7 +1.1
O20A	White River Ci	71.97 329	eP	P	07 52 47.0 -0.1
O20A	White River Ci	71.97 329	eP	P	07 52 50.6 +1.4
O20A	White River Ci	71.97 329	eP	P	07 52 50.4 +1.2
KNB	Kanab	71.98 324	eP	P	07 52 51.5 +2.1
GMRC	Granite Mount	72.01 320	P	P	07 52 51.0 +1.5
LCMT	Little Creek M	72.21 324	eP	P	07 52 49.2 -1.5
SRU	San Rafael Swe	72.32 327	eP	P	07 52 52.6 +1.3
SRU	San Rafael Swe	72.32 327	eP	P	07 52 52.6 +1.3
SRU	San Rafael Swe	72.32 327	eP	P	07 53 24.7 +1.9
MTPU	Mount Pierson	72.39 325	eP	P	07 52 53.5 +1.5
MTPU	Mount Pierson	72.39 325	eP	P	07 52 53.5 +1.5
HEC	Hector,Ludlow	72.45 320	P	P	07 53 24.6 +1.1
Q16A	Castle Valley	72.50 326	eP	P	07 52 53.7 +1.7
TUQ	Turquoise Moun	72.62 321	eP	P	07 52 53.8 +1.3
Q16A	Turquoise Moun	72.62 321	eP	P	07 53 25.6 +1.6



22d 9h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WHZH, ARHZ, KNZ, RAHZ, etc.

WEL 22:08:44:52.7,39:35:0.8,177E, h19km,2km,ML4.0/13, Off east coast of North Island

Main station list table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations across the region.

ISC 22:08:46:02.4,1.8,19:54N;64.25W, h0km, mb3.5/4, mb1.3/9.5, mb1mx3.5/40, mbtrmp3.6/5, ML3.3/1, MS3.0/3, Ms1.3/0.3, ms1mx2.6/38, Error ellipse: s-maj=46.2km s-min=26.3km

ISCJB 22:08:46:05.2,0.8,19:64N;0.04-64.44W, h0.06, h27km, mb3.5/3, MS3.6/1, Error ellipse: s-maj=8.7km s-min=5.8km az=166.5

NEIC 22:08:46:06.2,0.0,19:59N;64.32W, h66km, MDS.4 (RSPR), After RSPR.

RSPR 22:08:46:06.2,19:59N;64.32W, h66km,6km, MD3.4/6, ISC 22:08:46:07.1,1.0,19:54N;0.06-64.43W, h0.07, h27km, n41, e674/48, mb3.7/3, 19C-8D, IYOR Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ABV, AVI, TBI, STVI, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SJG, EMPP, CELP, etc.

ISK 22:08:51:31.5,38:69N;39:95E, h5km, ML2.4/7, DDA 22:08:51:32.1,38:68N;39:91E, h7km,2km,ML3.0, ISC 22:08:51:34.0,0.5,38:70N;0.02-40.00E, h8km,4km, Error ellipse: s-maj=4.0km s-min=3.3km az=39.2

ISC 22:08:51:33.0,1.1,38:69N;0.02-39:95E, h12km,10km, n23, r146/39, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HANI, TUNCL, BINGOL, etc.

NNC 22:09:01:19.5,2.3,53:48N;67:37E, h0km, mb3.7, mpv3.3, Error ellipse: s-maj=21.5km s-min=14.8km az=178.0, Suspected Mining explosion.

KRAR 22:09:01:16.0,0.2,53:63N;67:94E, M2.4, 3C-6D, Industrial explosion (after: The Earthquakes of Russia in 2012, Obninsk, GS RAS, 224p + CD-ROM, 2014), Southwestern Siberia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KURK, KURB, MK31, etc.

NIED 22:09:05:00.37:50N;142:10E, h23km, Mw3.5 Best double couple: M2.03000;1014 192.000;828.00000, lambda-67.00000. NP2:191.00000;865.00000, lambda-102.00000.

ISCJB 22:09:05:28.9,1.3,37:47N;0.05-142:13E, h7km,7km, mb3.5/3, Error ellipse: s-maj=11.0km s-min=7.1km az=35.1

JMA 22:09:05:30.3,0.1,37:50N;142:08E, h29km,3km, M3.8, Error ellipse: s-maj=34.1km s-min=30.9km az=107.0, mb1.3/4.4, mb1mx3.2/58, mbtrmp3.2/4, ML1.8/1, Error ellipse: s-maj=1.9km s-min=1.3km az=107.0

ISC 22:09:05:27.2,3.3,37:48N;0.06-142:09E, h13km,12km, n18, r160/28, mb3.5/3, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JIKH, JIKF, JIKJ, etc.

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Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like JFY, JFY, JYK, etc.

ISCJB 22:09:08:29.8,0.5,2:71S;0:08-103:53E, h0.07, h300km, mb3.2/5, Error ellipse: s-maj=13.2km s-min=8.5km az=136.1

DJA 22:09:08:29.7,0.7,3:56S;6:10E, h312km,7km, M3.9/11, Error ellipse: s-maj=12.2km s-min=7.1km az=116.5

ISC 22:09:08:40.2,7.7,2:46S;104:08E, h391km,99km, mb2.6/4, mb1.2/8.4, mb1mx2.6/50, mbtrmp3.4/4, Error ellipse: s-maj=51.4km s-min=16.0km az=41.0

ISC 22:09:08:30.3,0.9,2:76S;0:08-103:50E, h300km, n18, r150/118, mb3.1/5, Southern Sumatara

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LHSI, PMBI, MASI, etc.

ISC 22:09:08:42.9,1.8,5:179N;171:18W, h0km, mb3.7/2, mb1.3/8.5, mb1mx3.3/60, mbtrmp3.7/5, ML3.0/3, Error ellipse: s-maj=65.5km s-min=25.2km az=145.0

NEIC 22:09:08:49.2,0.0,51:82N;171:16W, h28km, mb4.1/3, ML3.6(AEIC), After AEIC.

ISCJB 22:09:08:50.1,0.6,52:02N;0:08-171:72W, h0.05, h44km, Error ellipse: s-maj=11.3km s-min=3.6km az=163.1

ISC 22:09:08:50.6,1.0,51:9N;0:11-171:67W, h0.05, h44km, n40, r154/40, Fox Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KOFF, KOKP, NIKH, etc.

SWV2 Sparrebohn 12.74 38 ePn Pn 09 11 52.1 +3.2

WAKE ISLAND Hy 37.46 215 T T 09 11 54.9 +0.7

WAKE ISLAND Hy 36.25 216 T T 09 11 54.1 +0.7

WAKE ISLAND Hy 37.44 215 T T 09 11 54.3 +0.7

WAKE ISLAND Hy 37.46 215 T T 09 11 54.9 +0.7

WAKE ISLAND Hy 37.46 215 T T 09 11 54.9 +0.7

WAKE ISLAND Hy 37.46 215 T T 09 11 54.9 +0.7

WAKE ISLAND Hy 37.46 215 T T 09 11 54.9 +0.7

WAKE ISLAND Hy 37.46 215 T T 09 11 54.9 +0.7

WAKE ISLAND Hy 37.46 215 T T 09 11 54.9 +0.7

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NIE Niedzica, KRLC Kraliky, JAVC Velka Javorina, etc.

NIED 22 09:23:00.35:20N,141:30E,h41km,Mw4.0 Best double couple: M=1.00000,-1.015 NPI=19.00000: 840.00000: ...

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BSO1 Boso 1, BSO3 Boso 3, CHOU Chosi, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PBA Prapat, PSI Prapat, KULM Kulim, etc.

IDC 22 09:31:53.2:0.4,6:7:57N:143:02E,h0km,mb4.3/26, mb1.4/4.31,mb1mx3.9/4.5,mbtmp4.2/31,ML4.1/4,MS4.0/26, ...

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MOMR Moma, YBGR Belaya Gora, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SEY Seymchan, SEY 0.8nm,0.3s,baz=309,slow=12,SNR=18, etc.



22d 9h

TLY	comp=Z,5.7nm,0.9s	24.89 2500	iP	P	09 37 20.4 +2.4
TLY	comp=Z,68nm,2.2s		pmx	pmx	
TLY	comp=Z,21m,18.0s		MLR	MLR	
MLY	Manley	25.58 64	eP	P	09 37 24.3 +0.2
CN2	comp=Z,14nm,0.9s				
CN2	Changchun	25.66 210	eP	P	09 37 23.4 -1.5
CN2	comp=Z,10.0nm,0.7s		pmx	pmx	
CN2	comp=Z,200nm,4.0s		LR	LR	
CN2	comp=Z,11m,10.0s		LR	LR	
CN2	comp=Z,760nm,10.0s		LR	LR	
CN2	comp=Z,11m,10.0s		LR	LR	
MOY	Mondy	25.86 253	eP	P	09 37 27.1 +0.2
MOY	comp=Z,15nm,1.7s		pmx	pmx	
CAST	Castle Rocks	26.08 68	eP	P	09 37 29.3 +0.7
ZAK	Zakamensk	26.09 249	eP	P	09 37 28.1 -0.9
ZAK	comp=Z,16nm,1.0s		pmx	pmx	
MDM	comp=Z,55nm,1.1s				
FYU	Fort Yukon	26.48 63	eP	P	09 37 32.7 +0.4
FYU	comp=Z,9nm,1.1s				
COLA	College	26.66 63	eP	P	09 37 34.1 +0.3
COLA	comp=Z,48nm,1.1s				
COLA	College	26.66 63	eP	P	09 37 34.1 +0.3
COLA	comp=Z,17nm,1.0s		pmx	pmx	
TRF	Thorofare Moun	26.69 67	eP	P	09 37 34.6 +0.2
WRH	Wood River Hill	26.82 64	eP	P	09 37 35.5 +0.2
ULN	Ulanbatar	26.93 241	eP	P	09 37 36.6 -0.1
ULN	comp=Z,4.4nm,0.8s				
ULN	Ulanbatar	26.93 241	eP	P	09 37 36.6 -0.1
ULN	comp=Z,17nm,1.0s		pmx	pmx	
MCK	McKinley	26.99 65	eP	P	09 37 37.4 +0.5
MCK	comp=Z,9.0nm,1.3s				
MCK	McKinley	26.99 65	eP	P	09 37 37.4 +0.5
MCK	comp=Z,24nm,1.1s		pmx	pmx	
IL1	Elison Array	27.05 62	eP	P	09 37 37.7 +0.3
ILAR	Elison Array	27.05 62	eP	P	09 37 37.7 +0.2
ILAR	comp=Z,1.1nm,0.9s,baz=297,slow=8.0,SNR=83		LR	LR	09 50 04.6
ILB	comp=Z,336nm,18.1s,baz=316,slow=40				
PRP	Porcupine Dome	27.05 60	eP	P	09 37 38.6 +1.1
PRP	comp=Z,3.4nm,0.8s				
SONA1	Songino Array	27.16 242	eP	P	09 37 38.7 0.0
SONA0	Songino Array	27.18 242	eP	P	09 37 38.8 0.0
SONM	Songino Array	27.18 242	eP	P	09 37 38.8 0.0
SONM	comp=Z,6.2nm,1.0s,baz=27,slow=7.7,SNR=21		LR	LR	09 49 10.4
HDA	Harding Lake	27.25 63	eP	P	09 37 39.6 +0.4
HDA	comp=Z,8.9nm,1.0s				
DHY	Denali Highway	27.95 66	eP	P	09 37 45.8 +0.2
DHY	comp=Z,8.2nm,1.1s				
KNGR	Kungturgut	28.01 256	iP	P	09 37 45.0 -1.2
GHO	Glory Hole Cre	28.26 69	eP	P	09 37 49.0 +0.7
GHO	comp=Z,15nm,1.0s				
PMR	Palmer	28.30 69	eP	P	09 37 49.4 +0.8
PMR	comp=Z,2.9nm,0.7s				
PMR	Palmer	28.30 69	eP	P	09 37 49.4 +0.8
PMR	comp=Z,3.0nm,0.7s		pmx	pmx	
RIDG	Independ' Rid	28.39 63	eP	P	09 37 50.8 +1.3
RIDG	comp=Z,6.1nm,1.0s				
RC01	Rabbit Creek A	28.43 70	eP	P	09 37 50.3 +0.7
RC01	comp=Z,8.3nm,1.1s				
SML	Sawmill	28.45 68	eP	P	09 37 50.3 +0.4
SML	comp=Z,1.1nm,1.0s				
SML	Sawmill	28.45 68	eP	P	09 37 50.3 +0.4
SML	comp=Z,1.1nm,1.0s		pmx	pmx	
SCRK	Sand Creek	28.53 62	eP	P	09 37 50.4 -0.4
SCRK	comp=Z,7.7nm,1.1s				
KNK	Knik Glacier	28.67 69	eP	P	09 37 52.8 +1.0
KNK	comp=Z,22nm,1.2s				
DOT	Dot Lake	28.72 63	eP	P	09 37 51.8 -0.5
DOT	comp=Z,5.0nm,1.0s				
SCM	Sheep Creek Mo	28.79 67	eP	P	09 37 55.0 +2.1
SCM	comp=Z,7.5nm,1.0s				
SCM	Sheep Creek Mo	28.79 67	eP	P	09 37 55.1 +2.1
SCM	comp=Z,8.0nm,1.0s		pmx	pmx	
EGAK	Eagle	28.96 59	eP	P	09 37 55.3 +0.9
EGAK	comp=Z,4.5nm,1.0s				
INK	Inuvik	29.09 49	eP	P	09 37 57.6 +2.2
INK	comp=Z,1.4nm,0.8s,baz=304,slow=8.6,SNR=4.8				
INK	Inuvik	29.09 49	eP	P	09 37 56.2 +0.8
INK	comp=Z,1.4nm,0.8s,baz=304,slow=8.6,SNR=4.8				
EPYK	Eagle Plains	29.35 54	eP	P	09 37 59.0 +1.1
EPYK	comp=Z,4.53nm,20.1s,baz=259,slow=40				
KDAD	Kodiak Island	29.68 77	LR	LR	09 51 05.9
KDAD	comp=Z,7.44nm,20.4s,baz=230,slow=39				
DAWY	Dawson	30.01 59	eP	P	09 38 03.8 +0.1
DAWY	comp=Z,2.0nm,1.0s				
NVS	Novosibirsk	30.12 275	eP	P	09 37 56.6 -8.1
ZAA1	Zalesovo Array	30.19 272	eP	P	09 38 04.3 -1.0
ZALV	Zalesovo Beam	30.20 272	eP	P	09 38 04.3 -1.1
ZALV	comp=Z,1.5nm,0.7s,baz=169,slow=8.6,SNR=3.8				
MJAR	Matsushiro Arr	31.26 188	LR	LR	09 50 21.9
MJAR	comp=Z,1.91nm,19.3s,baz=20,slow=36				
BJT	Baijatiatau	31.36 222	eP	P	09 38 15.4 -0.4
BJT	comp=Z,13nm,0.9s				
BJT	Baijatiatau	31.36 222	eP	P	09 38 15.4 -0.4
BJT	comp=Z,13nm,0.9s		pmx	pmx	
KSRS	Korea Array	31.40 203	LR	LR	09 51 30.0
KSRS	comp=Z,580nm,19.4s,baz=22,slow=38				
HHC	Hu-ho-hao-te	31.83 229	eP	P	09 38 21.3 +1.2
HHC	comp=Z,8.0nm,0.7s		pmx	pmx	
HHC	Hu-ho-hao-te	31.83 229	eP	P	09 38 21.3 +1.2
HHC	comp=Z,8.0nm,0.7s		pmx	pmx	
HHC	comp=Z,210nm,6.1s		LR	LR	
HHC	comp=Z,510nm,5.7s		LR	LR	
HHC	comp=Z,900nm,11.6s		LR	LR	
HHC	comp=Z,670nm,10.4s		LR	LR	
DGZ	Jazzart, Alta	32.54 265	iP	P	09 38 26.4 +0.1
DGZ	comp=Z,3.0nm,1.3s		pmx	pmx	
RES	Resolute Bay	33.22 24	eP	P	09 38 32.1 +0.4
RES	comp=Z,3.7nm,1.1s				
RES	Resolute Bay	33.22 24	eP	P	09 38 32.1 +0.4
RES	comp=Z,4.0nm,1.1s		pmx	pmx	
JHJ	Hachijo jima 2	34.60 185	LR	LR	09 54 19.7
JHJ	comp=Z,100nm,18.0s,baz=352,slow=39				
KURK	Kurchatov	35.09 274	eP	P	09 38 47.6 -0.7
KURK	comp=Z,9.2nm,1.0s				
KURK	Kurchatov	35.09 274	eP	P	09 38 46.8 -1.5
KURK	comp=Z,9.2nm,1.0s		pmx	pmx	
DAG	Danmarks Havn	35.38 353	iP	P	09 38 50.2 -0.3
DAG	comp=Z,5.1nm,0.7s				
DAG	Danmarks Havn	35.38 353	iP	P	09 38 50.2 -0.3
DAG	comp=Z,4.0nm,0.7s		pmx	pmx	
BRVK	Borovoye	36.38 284	eP	P	09 38 59.3 0.0
BRVK	comp=Z,2.8nm,1.1s				
BRVK	Borovoye	36.38 284	eP	P	09 38 58.4 -0.9
BRVK	comp=Z,2.8nm,1.1s		pmx	pmx	
APA	Apatity	36.51 323	iP	P	09 38 55.7 -4.5
APA	comp=Z,9.0nm,1.0s				
ARA0	ARCESS Array S	36.62 328	eP	P	09 39 02.2 +1.0
ARCES	ARCESS Array B	36.62 328	eP	P	09 39 02.2 +1.0

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ARCES	comp=Z,4.9nm,0.9s,baz=46,slow=12,SNR=3.5		LR	LR	09 58 42.8
GTA	comp=Z,1.71nm,18.4s,baz=12,slow=44				
GTA	Gaotai	36.85 242	iP	P	09 39 04.3 +0.8
GTA	comp=Z,5.0nm,1.3s		sP	sP	09 39 08.6 +0.6
GTA	comp=Z,5.0nm,1.3s		sP	sP	09 39 11.4 +4.7
GTA	comp=Z,5.0nm,1.3s		S	S	09 44 50.0 +2.3
GTA	comp=Z,76nm,4.9s		pmx	pmx	
GTA	comp=Z,800nm,18.1s		LR	LR	
GTA	comp=Z,900nm,18.7s		LR	LR	
GTA	comp=Z,11m,18.7s		LR	LR	
MK31	Makanchi Array	36.89 267	eP	P	09 39 02.8 -0.9
MK31	comp=Z,6.0nm,1.0s				
MK31	Makanchi Array	36.89 267	eP	P	09 39 02.8 -0.9
MK31	comp=Z,6.0nm,1.0s		pmx	pmx	
MK32	Makanchi Array	36.89 267	eP	P	09 39 02.3 -1.4
MKAR	Makanchi Array	36.89 267	eP	P	09 39 02.8 -0.9
MKAR	comp=Z,30nm,0.7s				
MKAR	Makanchi Array	36.89 267	eP	P	09 39 02.8 -0.9
MKAR	comp=Z,31nm,0.7s		pmx	pmx	
MKAR	Makanchi Array	36.89 267	eP	P	09 39 02.3 -1.4
MKAR	comp=Z,4.6nm,0.6s,baz=42,slow=7.4,SNR=23				
MK01	Makanchi Array	36.91 267	eP	P	09 39 02.8 -1.1
MAKZ	Makanchi	37.00 267	eP	P	09 39 03.9 -0.8
MAKZ	comp=Z,5.0nm,0.8s				
MAKZ	Makanchi	37.00 267	eP	P	09 39 03.9 -0.8
MAKZ	comp=Z,5.0nm,0.8s		pmx	pmx	
DLBC	Dease Lake	37.20 60	eP	P	09 39 07.4 +1.1
DLBC	comp=Z,5.0nm,1.0s				
WMQ	Urumqi	37.35 259	eP	P	09 39 08.3 +0.6
WMQ	comp=Z,3nm,1.0s		sP	sP	09 39 13.3 +1.2
WMQ	Urumqi	37.35 259	eP	P	09 39 21.8 +0.6
WMQ	comp=Z,25nm,1.1s		pmx	pmx	
WMQ	comp=Z,170nm,6.1s		LR	LR	
WMQ	comp=Z,21m,12.5s		LR	LR	
WMQ	comp=Z,21m,7.1s		LR	LR	
WMQ	comp=Z,630nm,17.7s		LR	LR	
ARU	Arti	37.94 296	iP	P	09 39 12.1 -0.4
ARU	comp=Z,12nm,1.1s				
ARU	Arti	37.94 296	iP	P	09 39 10.2 -2.3
ARU	comp=Z,12nm,1.1s		SS	SS	09 45 02.1 -1.7
ARU	Arti	37.94 296	iP	P	09 47 42.4 -2.4
ARU	comp=Z,12nm,1.1s		SS	SS	09 47 42.4 -2.4
TMCR	Tamitsa	38.09 317	eP	P	09 39 12.7 -0.9
NJ2	Nanjing	38.33 214	eP	P	09 39 17.9 +1.9
NJ2	comp=Z,10.0nm,0.6s		pmx	pmx	
NJ2	comp=Z,670nm,14.6s		LR	LR	
NJ2	comp=Z,620nm,17.4s		LR	LR	
NJ2	comp=Z,11m,15.7s		LR	LR	
LZH	Lanzhou	38.55 235	eP	P	09 39 18.8 +0.8
LZH	comp=Z,6.0nm,1.0s		pP	pP	09 39 22.8 +0.3
LZH	Lanzhou	38.55 235	eP	P	09 39 25.0 +3.8
LZH	comp=Z,6.0nm,1.0s		pP	pP	09 40 49.5 +1.5
LZH	Lanzhou	38.55 235	eP	P	09 45 19.0 +5.3
LZH	comp=Z,2.9nm,1.0s		S	S	09 45 19.0 +5.3
LZH	comp=Z,29nm,1.0s		pmx	pmx	
LZH	comp=Z,320nm,4.9s		LR	LR	
LZH	comp=Z,5.1nm,14.1s		LR	LR	
LZH	comp=Z,940nm,14.6s		LR	LR	
LZH	comp=Z,11m,15.7s		LR	LR	
YKWS	Yellowknife Ar	38.			

Table with columns: Call Sign, Frequency, Mode, Power, Direction, and other technical details for stations in the 1645 MHz range.

Table with columns: Call Sign, Frequency, Mode, Power, Direction, and other technical details for stations in the 2013 FEB range.

Table with columns: Call Sign, Frequency, Mode, Power, Direction, and other technical details for stations in the 22d 9h range.





Table with columns for station name, frequency, mode, and time. Includes stations like CFA Coronel Fontan, PMNB Patos De Minas, SDV Santo Domingo, etc.

1649

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like ESTN, ESTN, SDDR, PCJ, GWJ, etc.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like 456A Hilliard, 553A Crawfordville, 455A Starville, etc.

22d 12h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like Z49A Columbiana, LRAL Lakeview Retre, LRAL Lakeview Retre, etc.



Table with columns for call sign, name, frequency, and other details. Includes entries like W53A Wise, W46A Michie, CBN Corbin, etc.

Table with columns for call sign, name, frequency, and other details. Includes entries like TXAR comp=2.0,3nm,0.8s, TX31 Lajitas Ar, Q52A Bidwell, etc.

Table with columns for call sign, name, frequency, and other details. Includes entries like N54A Moraine State, OLIL Olney, BCX Boston, etc.

MNTX	Cornudas Mount	71.64 323	eP	P	12 12 21.6	-0.4
MNTX	Cornudas Mount	71.64 323	P	P	12 12 21.6	-0.4
M49A	Liberty Center	71.68 344	P	P	12 12 22.0	0.0
O44A	Mansfield	71.69 340	P	P	12 12 21.4	-0.7
HNH	Hanover	71.75 353	eP	P	12 12 24.3	+1.9
P42A	Winchester	71.78 338	eP	P	12 12 22.1	-0.5
P42A	Winchester	71.78 338	P	P	12 12 22.1	-0.5
N46A	Monticello	71.87 341	P	P	12 12 22.6	-0.5
M48A	Edgerton	71.88 343	eP	P	12 12 23.0	-0.2
M48A	Edgerton	71.88 343	P	P	12 12 22.9	-0.2
CPRX	Cap Rock	71.89 325	eP	P	12 12 24.9	+1.2
L50A	Kingsville	71.93 345	P	P	12 12 23.3	-0.2
M47A	Crowell	72.00 342	P	P	12 12 23.7	-0.1
N45A	Kentland	72.05 341	P	P	12 12 23.5	-0.6
O43A	Sugar Creek Fa	72.08 339	P	P	12 12 24.1	-0.3
MSTX	Muleshoe	72.09 326	eP	P	12 12 24.9	+0.2
MSTX	Muleshoe	72.09 326	P	P	12 12 25.1	+0.3
P41A	Barry, Barry	72.09 338	P	P	12 12 24.0	-0.4
J55A	Hilton	72.10 349	P	P	12 12 24.8	+0.5
MEDO	Medina	72.11 348	P	P	12 12 25.1	+0.7
K52A	Tillsonburg	72.18 346	P	P	12 12 25.5	+0.6
N44A	Piper City	72.18 340	P	P	12 12 24.3	-0.6
HAL	Halifax	72.19 360	eP	P	12 12 26.5	+1.6
L49A	Milan	72.22 344	P	P	12 12 25.1	0.0
L48A	N Adams	72.23 343	P	P	12 12 25.0	-0.2
M46A	Old House Fiel	72.24 342	eP	P	12 12 24.9	-0.3
M46A	Old House Fiel	72.24 342	P	P	12 12 24.9	-0.3
O42A	Bath	72.24 339	P	P	12 12 25.0	-0.3
LBNH	Lisbon	72.24 353	eP	P	12 12 26.9	+1.7
LBNH	Lisbon	72.24 353	P	P	12 12 26.9	+1.7
NCB	Newcomb	72.24 352	eP	P	12 12 26.4	+1.2
STCO	Saint Catharin	72.28 348	P	P	12 12 26.1	+0.7
K51A	Iona Station	72.29 346	P	P	12 12 25.8	+0.3
AMTX	Amarillo	72.30 327	eP	P	12 12 26.3	+0.4
AMTX	Amarillo	72.30 327	P	P	12 12 26.2	+0.3
TYNO	Tyneside	72.31 347	P	P	12 12 26.0	+0.5
U32A	Winter Ranch,	72.31 330	eP	P	12 12 26.6	+0.7
HDIL	Hopedale	72.32 339	eP	P	12 12 25.6	-0.2
SRIG	Santa Rosalia	72.36 315	eP	P	12 12 27.5	+1.2
WVLE	Waterville	72.36 355	eP	P	12 12 27.6	+1.7
EMMW	East Machias	72.37 357	eP	P	12 12 27.7	+1.8
AAM	Ann Arbor	72.38 344	eP	P	12 12 26.2	+0.2
AAM	Ann Arbor	72.38 344	P	P	12 12 26.2	+0.2
AAM	Ann Arbor	72.38 344	P	pmx	12 12 26.2	+0.2
AAM	Ann Arbor	72.38 344	P	pmx	12 12 25.9	-0.1
VT1	Waterbury	72.42 353	eP	P	12 12 27.8	+1.5
O41A	Passley's Farm	72.43 338	P	P	12 12 25.7	-0.7
L47A	Sherwood	72.46 343	P	P	12 12 26.1	-0.4
M45A	Bollermakers S	72.47 341	P	P	12 12 25.9	-0.7
J52A	Paris	72.57 347	P	P	12 12 27.8	+0.7
N43A	Stutzman Family	72.63 340	P	P	12 12 27.5	0.0
ELFO	Elginfield	72.70 346	P	P	12 12 28.0	+0.1
M44A	Midewin, Midew	72.70 341	eP	P	12 12 27.4	-0.5
M44A	Midewin, Midew	72.70 341	P	P	12 12 27.3	-0.6
TORO	Toronto-Leslie	72.71 348	P	P	12 12 28.7	+0.9
GGN	Saint George	72.75 357	eP	P	12 12 29.5	+1.4
L46A	Eue Claire	72.79 342	P	P	12 12 27.9	-0.5
K49A	Clarkson	72.79 344	P	P	12 12 28.2	-0.2
N42A	Yates City	72.80 339	P	P	12 12 28.1	-0.3
WLVO	Wesleyville	72.83 349	P	P	12 12 29.2	+0.6
ACTO	Acton	72.84 347	P	P	12 12 29.1	+0.5
DRCO	St. Marys Ceme	72.84 348	P	P	12 12 29.3	+0.6
DRWO	Darlington Wes	72.84 348	P	P	12 12 29.2	+0.6
LONY	Lake Ozonia	72.93 351	eP	P	12 12 30.3	+1.1
N41A	Harden Midland	72.95 338	eP	P	12 12 29.1	-0.3
N41A	Harden Midland	72.95 338	P	P	12 12 29.0	-0.3
I53A	Kortright Cn E	72.96 348	P	P	12 12 29.9	+0.6
K48A	Perry	72.97 344	P	P	12 12 29.3	0.0
GBN	Guysborough	72.98 1 eP	P	P	12 12 30.6	+1.3
I55A	Frankford	73.00 349	P	P	12 12 30.2	+0.7
PKRO	Pickering	73.00 348	P	P	12 12 30.1	+0.6
FRNY	Flat Rock	73.02 352	eP	P	12 12 30.8	+1.2
M43A	Waltham Townsh	73.02 340	P	P	12 12 29.6	-0.1
PKME	Peaks-Kenny Pk	73.03 355	eP	P	12 12 31.3	+1.6
PKME	Peaks-Kenny Pk	73.03 355	P	P	12 12 31.3	+1.6
K47A	Vermontville	73.06 343	P	P	12 12 29.6	-0.3
H56A	Elgin	73.14 350	P	P	12 12 31.3	+1.0
I51A	Listowel	73.22 347	P	P	12 12 31.4	+0.6
H55A	Tweed	73.24 350	P	P	12 12 31.7	+0.8
J49A	Marlette	73.26 345	P	P	12 12 30.9	-0.2
H07S1	FLORES T-PHASE	73.26 25	eP	P	12 12 32.2	+1.0
K46A	Dorr	73.28 343	P	P	12 12 30.5	-0.6
DELO	Deloro Mine	73.28 349	P	P	12 12 31.7	+0.6
M42A	Sheffield	73.28 339	P	P	12 12 30.8	-0.4
I52A	Shelburne	73.31 347	P	P	12 12 32.0	+0.7
TSUM	Tsumeb	73.32 103	eP	P	12 12 32.9	+0.8

TSUM	Tsumeb	73.32 103	eP	P	12 12 32.3	-0.2
TSUM	Tsumeb	73.32 103	P	P	12 12 33.0	+0.8
TSUM	Tsumeb	73.32 103	P	pmx	12 12 32.3	-0.2
MOQ	Mont Orford	73.34 353	eP	P	12 12 33.0	+1.4
J48A	Briggs Port	73.35 344	P	P	12 12 31.6	+0.1
N40A	Melroide, Sal	73.36 338	P	P	12 12 31.4	-0.2
L44A	Lake County Fo	73.39 341	P	P	12 12 31.5	-0.3
LMN	California Moun	73.42 359	eP	P	12 12 33.1	+1.2
M41A	Milan	73.46 339	P	P	12 12 31.7	-0.5
BWLO	Walkerton	73.55 347	P	P	12 12 33.2	+0.6
319A	Douglas	73.55 320	eP	P	12 12 34.5	+1.3
HOR	Horta	73.55 28	eP	P	12 12 34.8	+2.0
J47A	Sumner	73.55 344	P	P	12 12 32.6	0.0
BASO	Ashfield	73.56 346	P	P	12 12 33.3	+0.6
H07N1	PHASE 3	73.57 25	eP	P	12 12 34.5	+1.6
121A	Cookes Peak, D	73.58 322	P	P	12 12 34.8	+1.4
PCED	Cedros	73.60 27	eP	P	12 12 34.5	+1.4
PICO	Pico	73.61 28	eP	P	12 12 34.9	+1.7
KSU1	Kansas State U	73.62 333	eP	P	12 12 33.3	0.0
KSU1	Kansas State U	73.62 333	P	P	12 12 33.2	0.0
L43A	Garden Prairie	73.64 340	P	P	12 12 33.2	0.0
PLVO	Plevna	73.70 350	eP	P	12 12 34.5	+1.0
PLVO	Plevna	73.70 350	P	P	12 12 34.4	+1.0
BRCO	Bruce Peninsula	73.73 346	P	P	12 12 34.4	+0.7
I49A	Point Hope	73.74 345	P	P	12 12 33.9	+0.2
L42A	Oliver, Polo	73.75 340	eP	P	12 12 33.8	-0.2
L42A	Oliver, Polo	73.75 340	P	P	12 12 33.7	-0.2
PSMA	Santa Maria	73.78 31	eP	P	12 12 35.5	+1.4
SADO	Sacramento	73.79 348	eP	P	12 12 34.3	+0.3
M40A	Post Highland	73.80 338	P	P	12 12 33.8	-0.3
PSMN	Pico Norte	73.81 31	eP	P	12 12 34.9	+0.6
BANO	Bancroft	73.82 349	P	P	12 12 34.9	+0.7
G55A	Calabogie	73.85 350	P	P	12 12 35.2	+0.8
PMAN	Manadas	73.86 28	eP	P	12 12 36.1	+1.6
J46A	Howard City	73.86 343	P	P	12 12 34.0	-0.5
ROSA	Rosais	73.87 28	eP	P	12 12 36.5	+1.9
ROSA	Rosais	73.87 28	P	P	12 12 35.9	+1.3
ALFO	Alford	73.96 351	P	P	12 12 35.9	+1.0
K43A	Burlington	74.00 341	eP	P	12 12 35.2	0.0
K43A	Burlington	74.00 341	P	P	12 12 35.3	+0.1
BMRO	Meriville Lake	74.02 347	P	P	12 12 35.9	+0.6
G53A	Halliburton	74.04 349	P	P	12 12 36.2	+0.8
L41A	Preston	74.08 339	P	P	12 12 35.3	-0.4
M39A	Webster	74.08 338	P	P	12 12 35.2	-0.5
J45A	Montague	74.14 343	P	P	12 12 35.4	-0.6
PDA	Ponta Delgada	74.16 30	eP	P	12 12 37.4	+1.2
I48A	Shen Twp	74.17 345	P	P	12 12 36.5	+0.3
PSET	Sete Cidades	74.19 30	eP	P	12 12 38.0	+1.5
BNM	Bonnet Site	74.20 324	eP	P	12 12 38.1	+1.2
I47A	Gladwin	74.21 344	P	P	12 12 36.5	+0.1
CMLA	Cha da Macela	74.23 30	eP	P	12 12 37.7	+1.0
GRON	Grota Negra	74.23 30	eP	P	12 12 38.9	+2.2
ADH	Angra Heroismo	74.23 28	eP	P	12 12 38.5	+1.9
PGRA	Graciosa	74.24 28	eP	P	12 12 38.0	+1.3
Y22D	IRIS PASCALL I	74.29 323	eP	P	12 12 39.0	+1.7
L40A	Anamosa	74.30 339	eP	P	12 12 36.5	-0.5
L40A	Anamosa	74.30 339	P	P	12 12 36.9	-0.1
PSCM	Serra do Cume	74.32 29	eP	P	12 12 38.7	+1.5
LPM	Los Horns Moun	74.33 324	eP	P	12 12 38.8	+1.3
PEMO	Pembroke	74.35 350	P	P	12 12 37.9	+0.8
PQI	Presque Isle	74.36 357	eP	P	12 12 38.4	+1.2
K42A	Prairie Point	74.36 340	P	P	12 12 37.4	+0.1
I46A	Reed City	74.36 343	P	P	12 12 36.9	-0.3
F55A	Other Lake	74.36 350	P	P	12 12 38.0	+0.8
LENM	Lemitar	74.39 323	eP	P	12 12 39.1	+1.2
BART	Pico Bartolomeo	74.40 30	eP	P	12 12 38.8	+1.1
TAOE	Nuku Hiva Isla	74.47 268	eP	P	12 12 39.8	+1.1
TAOE	Nuku Hiva Isla	74.47 268	P	P	12 12 39.9	+1.1
BUKO	Buck Lake	74.48 348	P	P	12 12 38.6	+0.7
K41A	Shullsburg	74.50 340	P	P	12 12 38.1	+0.1
TRQ	Mont Tremblant	74.50 352	eP	P	12 12 39.0	+0.9
PMOZ	Porto Montiz, M	74.51 39	eP	P	12 12 39.4	+0.9
FUL	Funchal	74.55 39	eP	P	12 12 40.2	+1.6
KLBO	Keilbas Prov	74.55 348	P	P	12 12 38.9	+0.6
H48A	Harrisville	74.57 345	P	P	12 12 38.8	+0.4
L39A	Vinton	74.60 338	P	P	12 12 38.5	-0.2
J43A	Natural Harves	74.64 341	P	P	12 12 39.1	+0.2
I45A	Fountain	74.66 343	P	P	12 12 38.5	-0.4
LAZ	Ladron	74.66 323	eP	P	12 12 40.9	+1.5
CBKS	Cedar Bluff	74.67 331	eP	P	12 12 40.2	+1.1
CBKS	Cedar Bluff	74.67 331	P	P	12 12 40.3	+1.1
H47A	Mio	74.68 345	P	P	12 12 39.3	+0.3
TOBO	Tobermory, Bru	74.69 347	P	P	12 12 39.3	+0.3
G42A	Albuquerque	74.72 324	eP	P	12 12 41.0	+1.2
ANMO	Albuquerque	74.72 324	eP	P	12 12 37.1	-2.7
ANMO	Albuquerque	74.72 324	P	pmx	12 12 37.1	-2.7
ANMO	Albuquerque	74.72 324	P	pmx	12 12 40.9	+1.2
ALGO	Algonquin Park	74.75 349	P	P	12 12 39.9	+0.5

JFWS	Jewell Farm	74.76 340	eP	P	12 12 39.6	+0.1
JFWS	Jewell Farm	74.76 340	P	P	12 12 39.6	+0.1
JFWS	Jewell Farm	74.76 340	P	pmx	12 12 39.6	+0.1
JFWS	Jewell Farm	74.76 340	P	pmx	12 12 39.6	+0.1
J42A	Columbus	74.79 341	P	P	12 12 39.9	+0.3
F52A	Sundridge	74.81 348	P	P	12 12 40.2	+0.5
SCIA	State Center					





22d 12h

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1654

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like FOZ, DSZ, VRZ, TLZ, QZ, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like WLF, WLF, WLF, TUE, WLF, etc.

Table with columns for call sign, name, frequency, mode, and other details. Includes stations like BLY, ARSA, ARSA, PDG, BEHE, etc.







1657

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like MKAR, MKANCHI, BANGKIN, etc.

2013 FEB

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like GRNR, JIRN, KSM, Zeya, etc.

22d 12h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like MJAR, MAJO, MUDANJIANG, etc.



CKHR	Kef el Ahmar	0.83 166	P	Pb	12 31 03.0 -2.3
CKHR	Kef el Ahmar	0.83 166	Pb	Pb	12 31 03.0 -2.3
CKHR	Kef el Ahmar	0.83 166	Pg	Pb	12 31 03.0 -2.3
CASM	Ain Smara	1.13 119	P	Pn	12 31 09.0 -1.4
CASM	Ain Smara	1.13 119	P	Pn	12 31 09.0 -1.4
CASM	Ain Smara	1.13 119	P	Pn	12 31 09.0 -1.4
CTEI	Djebel Teioual	1.19 129	P	Pn	12 31 09.5 -1.7
CTEI	Djebel Teioual	1.19 129	P	Pn	12 31 09.5 -1.7
CTEI	Djebel Teioual	1.19 129	Pg	Pn	12 31 09.5 -1.7
ATAF	Djebel Taf	1.24 221	P	Pg	12 31 11.6 -1.7
ATAF	Djebel Taf	1.24 221	Pg	Pg	12 31 11.6 -1.7
CAEH	Ain El Ouahch	1.27 91	P	Pn	12 31 11.0 -1.4
CAEH	Ain El Ouahch	1.27 91	Pg	Pn	12 31 11.0 -1.2
AKET	Djebel Ketaf	1.36 236	P	Pn	12 31 12.2 -1.3
AKET	Djebel Ketaf	1.36 236	P	Pn	12 31 12.3 -1.3
AKET	Djebel Ketaf	1.36 236	Pn	Pn	12 31 12.2 -1.3
ABMS	Boumerdes	1.44 268	P	Pn	12 31 12.6 -1.9
ABMS	Boumerdes	1.44 268	P	Pn	12 31 12.6 -1.9
ADJB	Djebel Djouab	1.62 246	P	Pb	12 31 16.7 -2.0
ADJB	Djebel Djouab	1.62 246	Pn	Pb	12 31 16.7 -2.0
CMAH	Djebel Manchou	1.74 96	P	Pn	12 31 17.6 -1.1
CMAH	Djebel Manchou	1.74 96	Pn	Pn	12 31 17.6 -1.1
ABA	Alger-Bouzeira	1.79 270	P	Pn	12 31 18.5 -0.9
ABA	Alger-Bouzeira	1.79 270	Pn	Pn	12 31 18.5 -0.9
ABSA	Djebel Ababsia	1.86 106	P	Pn	12 31 20.0 -0.4
ABSA	Djebel Ababsia	1.86 106	Pn	Pn	12 31 20.0 -0.4
CABS	Djebel Ababsia	1.86 106	Pn	Pn	12 31 20.0 -0.4
TAMR	Tamra	3.09 85	ePn	Pn	12 31 36.5 -0.7
TAMR	Tamra	3.09 85	eS	Pn	12 32 14.5 +0.5
MAHO	Mahon	3.17 346	Pn	Sn	12 32 12.7 -3.0
MAHO	Mahon	3.17 346	eS	Pn	12 31 37.0 -1.3
MAHO	Mahon	3.17 346	eS	Pn	12 32 12.7 -3.0
MAHO	Mahon	3.17 346	eCod	Pn	12 34 11.2 +0.0
KEST	Kesra	3.47 107	ePn	Pn	12 31 42.5 -0.0
KEST	Kesra	3.47 107	eS	Pn	12 31 21.5 -1.7
KEST	Kesra	3.47 107	Pn	Pn	12 31 42.8 +0.2
KEST	Kesra	3.47 107	Sn	Pn	12 32 24.2 +1.0
ETOS	Malorca	3.52 327	Pn	Pn	12 31 44.3 +0.3
ETOS	Malorca	3.52 327	Pn	Pn	12 31 44.3 +0.3
ETOS	Malorca	3.52 327	Sn	Pn	12 32 23.7 -0.6
EIBI	Ibiza	3.81 307	Pn	Pn	12 31 49.0 +1.9
EIBI	Ibiza	3.81 307	Pn	Pn	12 32 31.0 -0.3
EIBI	Ibiza	3.81 307	Pn	Pn	12 32 00.2 +0.7
EBENZ	Bentard pressa	4.71 295	Pn	Pn	12 32 05.7 +1.4
CART	Cartagena	5.06 281	ePn	Pn	12 32 03.4 +1.0
CART	Cartagena	5.06 281	eS	Pn	12 32 08.1 +0.6
EMUR	La Murta	5.29 283	Pn	Pn	12 33 07.7 -0.2
EMUR	La Murta	5.29 283	Sn	Pn	12 33 07.7 -0.2
CFON	Fontmartina	5.40 337	Pn	Pn	12 32 08.8 -0.3
CFON	Fontmartina	5.40 337	Pn	Pn	12 33 07.4 -3.4
CFON	Fontmartina	5.40 337	Pn	Pn	12 32 11.3 -0.2
EPOB	Poblet	5.58 326	Pn	Pn	12 33 10.3 -4.8
EPOB	Poblet	5.58 326	Pn	Pn	12 32 12.9 +0.6
ECHE	Chera	5.63 301	Pn	Pn	12 32 13.1 +0.7
ERTA	Horia de San J	5.64 319	Pn	Pn	12 32 15.7 +2.5
ERTA	Horia de San J	5.64 319	Pn	Pn	12 33 22.5 +4.3
ETOB	Tobarra	5.70 291	Pn	Pn	12 32 14.0 +0.5
ETOB	Tobarra	5.70 291	Pn	Pn	12 32 16.5 +1.3
EMOS	Mosqueruela	5.72 310	Pn	Pn	12 33 19.2 -2.8
EMIR	Miracle	5.85 331	Pn	Pn	12 32 25.5 +0.6
EMIR	Miracle	5.85 331	Pn	Pn	12 33 37.1 -2.0
EMIR	Miracle	5.85 331	Pn	Pn	12 32 24.5 -0.6
EMIR	Miracle	5.85 331	Pn	Pn	12 33 34.6 -5.0
EJON	Eljona	5.91 343	Pn	Pn	12 32 22.1 -1.3
EJON	Eljona	5.91 343	Pn	Pn	12 32 25.0 +0.6
SJAF	Saint Jean de	5.95 343	Pn	Pn	12 32 27.7 -3.5
SJAF	Saint Jean de	5.95 343	Pn	Pn	12 32 21.7 +1.7
SJAF	Saint Jean de	5.95 343	Pn	Pn	12 33 29.6 -0.8
CLLI	Clivis	6.20 337	Pn	Pn	12 32 24.2 +2.1
CLLI	Clivis	6.20 337	Pn	Pn	12 32 22.5 -0.2
CLLI	Clivis	6.20 337	Pn	Pn	12 32 24.2 +1.9
SESP	Santiago Espad	6.35 284	Pn	Pn	12 33 36.2 +0.7
SESP	Santiago Espad	6.35 284	Pn	Pn	12 32 22.1 -0.7
CLTB	Catibellotta	6.39 81	ePn	Pn	12 32 29.1 -6.4
CLTB	Catibellotta	6.39 81	ePn	Pn	12 32 22.1 -0.7
CSOR	Sor	6.40 331	Pn	Pn	12 32 22.1 -0.7
PGF	Pioggiola	6.40 26	ePn	Pn	12 32 22.1 -0.7
PGF	Pioggiola	6.40 26	ePn	Pn	12 32 22.1 -0.7
PGF	Pioggiola	6.40 26	Pn	Pn	12 32 25.5 +0.6
PGF	Pioggiola	6.40 26	Pn	Pn	12 33 37.1 -2.0
EBER	Berja	6.54 273	Pn	Pn	12 32 24.5 -0.6
EBER	Berja	6.54 273	Pn	Pn	12 33 34.6 -5.0
EBER	Berja	6.54 273	Pn	Pn	12 32 25.5 +0.6
EBER	Berja	6.54 273	Pn	Pn	12 33 37.1 -2.0
LMR	La Moure	6.58 8	ePn	Pn	12 32 24.5 -0.6
LMR	La Moure	6.58 8	ePn	Pn	12 33 34.6 -5.0
LMR	La Moure	6.58 8	Pn	Pn	12 32 24.5 -0.6
LMR	La Moure	6.58 8	Pn	Pn	12 33 34.6 -5.0
ESAC	San Caprasio	6.61 319	Pn	Pn	12 32 26.6 +0.9
ESAC	San Caprasio	6.61 319	Pn	Pn	12 33 38.0 -2.7
EQES	Quesada	6.72 281	Pn	Pn	12 32 28.7 +1.5
EQES	Quesada	6.72 281	Pn	Pn	12 33 43.1 -0.3
EQES	Quesada	6.72 281	Pn	Pn	12 32 27.7 -0.7
EQES	Quesada	6.72 281	Pn	Pn	12 33 40.6 -4.9
FRF	La Foret Royal	6.81 8	ePn	Pn	12 32 27.7 -0.7
FRF	La Foret Royal	6.81 8	ePn	Pn	12 33 40.6 -4.9
FRF	La Foret Royal	6.81 8	Pn	Pn	12 32 27.7 -0.7
FRF	La Foret Royal	6.81 8	Pn	Pn	12 33 40.6 -4.9
MTLF	Montlieu	6.92 341	ePn	Pn	12 32 30.7 +0.9
MTLF	Montlieu	6.92 341	ePn	Pn	12 33 43.3 -4.8
MTLF	Montlieu	6.92 341	Pn	Pn	12 32 30.7 +0.9
MTLF	Montlieu	6.92 341	Pn	Pn	12 33 43.3 -4.8
ECHI	Chisgous Biel	7.02 328	Pn	Pn	12 32 33.4 -0.7
ECHI	Chisgous Biel	7.02 328	Pn	Pn	12 32 30.7 +0.9
ELGU	Los Guajares	7.13 273	Pn	Pn	12 32 32.4 -0.4
ELGU	Los Guajares	7.13 273	Pn	Pn	12 33 52.7 -0.8
ELGU	Los Guajares	7.13 273	Pn	Pn	12 33 52.7 -0.8
SMRF	Simiane la Rot	7.15 2	ePn	Pn	12 32 32.2 -0.9
SMRF	Simiane la Rot	7.15 2	ePn	Pn	12 33 48.2 -5.6
SMRF	Simiane la Rot	7.15 2	Pn	Pn	12 32 32.2 -0.9
SMRF	Simiane la Rot	7.15 2	Pn	Pn	12 33 48.2 -5.6
SBF	Sospel	7.23 13	ePn	Pn	12 32 33.4 -0.7
SBF	Sospel	7.23 13	ePn	Pn	12 33 49.1 -6.6
SBF	Sospel	7.23 13	Pn	Pn	12 32 33.4 -0.7
SBF	Sospel	7.23 13	Pn	Pn	12 33 49.1 -6.6
EPF	Esparrros	7.26 330	ePn	Pn	12 32 35.8 +1.2
EPF	Esparrros	7.26 330	eS	Pn	12 33 51.5 -5.2
EPF	Esparrros	7.26 330	Pn	Pn	12 32 35.8 +1.2
EPF	Esparrros	7.26 330	Pn	Pn	12 33 51.5 -5.2
LASF	Ste Croix	7.33 352	ePn	Pn	12 32 35.5 0.0
LASF	Ste Croix	7.33 352	eS	Pn	12 33 55.1 -3.0
LASF	Ste Croix	7.33 352	Pn	Pn	12 33 55.1 -3.0
LASF	Ste Croix	7.33 352	Pn	Pn	12 32 35.5 0.0

LASF	2.2nm,0.3s		S	S	12 33 55.1 -3.0
LASF	2.2nm,0.3s		Lg	Lg	12 34 43.3
VAE	Valguenera	7.33 82	Pn	Pn	12 32 37.5 +1.9
EGOR	Sierra Gorda	7.51 275	Pn	Pn	12 32 41.0 +2.9
EGOR	Sierra Gorda	7.51 275	Pn	Pn	12 34 05.8 +2.9
WDD	Wied Dalam	7.54 95	ePn	Pn	12 32 36.3 -2.0
ETSF	Etsaut	7.54 325	ePn	Pn	12 32 35.7 -2.8
ETSF	Etsaut	7.54 325	eS	Pn	12 33 58.2 -5.3
ETSF	Etsaut	7.54 325	Pn	Pn	12 32 35.7 -2.8
ETSF	Etsaut	7.54 325	Pn	Pn	12 33 58.2 -5.3
ATE	Arette	7.75 326	Pn	Pn	12 32 43.2 +1.9
ATE	Arette	7.75 326	S	S	12 34 07.1 -1.6
ES19	SONSECA Array	7.76 295	ePn	Pn	12 32 44.8 +3.3
ESLA	Sonseca Array	7.80 294	ePn	Pn	12 32 44.4 +2.4
ESDC	Sonseca Array	7.80 294	Pn	Pn	12 32 45.0 +3.0
ESDC	Sonseca Array	7.80 294	Pn	Pn	12 32 40.1 -1.9
IELO	Elcoac	7.82 322	Pn	Pn	12 32 43.4 +1.1
EADA	Adamuz	7.94 283	Pn	Pn	12 32 44.5 +0.6
EADA	Adamuz	7.94 283	S	S	12 34 11.4 -1.9
MBDF	Montbardon	7.98 8	ePn	Pn	12 32 45.2 +0.7
MBDF	Montbardon	7.98 8	eS	Pn	12 34 07.7 -6.7
MBDF	Montbardon	7.98 8	Pn	Pn	12 32 45.2 +0.7
MBDF	Montbardon	7.98 8	Pn	Pn	12 34 07.7 -6.7
SJPF	Ste Jean	8.02 324	ePn	Pn	12 32 46.4 +1.4
SJPF	Ste Jean	8.02 324	eS	Pn	12 34 08.9 -6.3
SJPF	Ste Jean	8.02 324	Pn	Pn	12 32 46.4 +1.4
SJPF	Ste Jean	8.02 324	Pn	Pn	12 34 08.9 -6.3
VIVF	Saint-Julien-I	8.04 357	ePn	Pn	12 32 44.3 -0.9
VIVF	Saint-Julien-I	8.04 357	eS	Pn	12 34 11.5 -4.2
VIVF	Saint-Julien-I	8.04 357	Pn	Pn	12 32 44.3 -0.9
VIVF	Saint-Julien-I	8.04 357	Pn	Pn	12 34 11.5 -4.2
PAB	San Pablo	8.05 293	ePn	Pn	12 32 47.5 +2.1
PAB	San Pablo	8.05 293	ePn	Pn	12 32 46.4 +1.0
EMIJ	Mijas	8.07 271	Pn	Pn	12 32 43.7 -2.0
ORIF	Oris-en-Rattie	8.10 3	ePn	Pn	12 32 44.3 -1.9
ORIF	Oris-en-Rattie	8.10 3	ePn	Pn	12 32 44.3 -1.9
EALK	Alkuruntz	8.32 323	Pn	Pn	12 32 49.4 +1.5
EALK	Alkuruntz	8.32 323	S	S	12 34 17.2 -3.3
BNI	Bardonecchia	8.29 7	ePn	Pn	12 32 49.6 +0.8
BNI	Bardonecchia	8.29 7	ePn	Pn	12 34 20.4 -1.7
VLC	Villacollemard	8.30 26	ePn	Pn	12 32 49.3 +0.5
CAF	Calvaci	8.45 344	ePn	Pn	12 32 51.1 +0.2
CAF	Calvaci	8.45 344	eS	Pn	12 34 21.8 -4.0
CAF	Calvaci	8.45 344	Pn	Pn	12 32 51.1 +0.2
CAF	Calvaci	8.45 344	Pn	Pn	12 34 21.8 -4.0
SSB	Saint Sauveur	8.47 357	ePn	Pn	12 32 51.7 +0.5
SSB	Saint Sauveur	8.47 357	eS	Pn	12 34 24.0 -2.2
LPG	La Plagne	8.74 7	ePn	Pn	12 32 54.5 -0.6
LPG	La Plagne	8.74 7	Pn	Pn	12 32 54.5 -0.6
LPL	La Plagne	8.76 7	ePn	Pn	12 32 54.6 -0.7
LPL	La Plagne	8.76 7	Pn	Pn	12 32 54.6 -0.7
LPL	La Plagne	8.76 7	Pn	Pn	12 32 58.5 +2.8
LPL	La Plagne	8.76 7	Pn	Pn	12 32 58.5 +2.8
LFF	La Frestale	8.80 339	Pn	Pn	12 32 58.5 +2.8
RJF	Les Rejaudoux	8.94 343	ePn	Pn	12 32 57.5 0.0
RJF	Les Rejaudoux	8.94 343	eS	Pn	12 34 33.9 -3.7
RJF	Les Rejaudoux	8.94 343	Pn	Pn	12 32 57.5 0.0
RJF	Les Rejaudoux	8.94 343	Pn	Pn	12 34 33.9 -3.7
ELAN	Lamesc	9.24 317	Pn	Pn	12 33 03.2 +1.4
ELAN	Lamesc	9.24 317	Pn	Pn	12 33 03.2 +1.4
SENI	Lac Senin/Sane	9.65 8	ePn	Pn	12 33 08.8 +1.2
SENI	Lac Senin/Sane	9.65 8	eS	Pn	12 34 55.6 0.0
SENI	Lac Senin/Sane	9.65 8	Pn	Pn	12 33 08.8 +1.2
SENI	Lac Senin/Sane	9.65 8	Pn	Pn	12 34 55.6 0.0
TCF	Touix Ste Croi	9.73 347	ePn	Pn	12 33 06.4 -2.0
TCF	Touix Ste Croi	9.73 347	Pn	Pn	12 33 09.5 +0.1
CABF	La Chapelle	9.80 3	Pn	Pn	12 33 09.5 +0.1
CABF	La Chapelle	9.80 3	Pn	Pn	12 33 08.4 -2.2
SMF	Signal de Mont	9.87 354	ePn	Pn	12

22d 14h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MK31 Makanchi Array, MK32 Makanchi Array, MKAR Makanchi Array, etc.

SOME 22:12:51:07.9, 42:55N, 79:62E, h15km
KRNET 22:12:51:07.0-0.1, 42:55N, 79:59E, h16km, mb2.4
NINC 22:12:51:09.0-1.4, 42:66N, 79:61E, h0km, mb2.9, mpv2.7,
Error ellipse: s-maj=9.6km s-min=4.6km az=151.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SHLS Shalkode, SHLS Shalkode, SHLS Shalkode, etc.

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ISC 22:12:54:58.3:54.0, 16:57S, 173:14W, h0km, mb4.1/3,
mb1 4.3/3, mb1mx3.7/32, mbtmp4.1/3, Error ellipse:
s-maj=1031.0km s-min=187.3km az=79.0, Tonga

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like STKA Stephens Creek, WRA Warramunga Arr, ASAR Alice Springs.

NEIC 22:13:05:13.7:0.0, 18:22N, 68:77W, h142km, MD3.5(RSPR),
After RSPR.
RSPR 22:13:05:13.7, 18:22N, 68:77W, h142km, 5km, MD3.5/8,
2C-11D, Mona Passage

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DR12 Loma Pena Alta, DR12 Loma Pena Alta, DR12 Loma Pena Alta, etc.

ISC 22:13:12:59.7:1.2, 48:98N, 0:04, 18:33E, 0:04, h10km, n6,
+0:42:10, Czech and Slovak Republics

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KOLL Kolacno, KOLL Kolacno, JAVC Veika Javorina, etc.

ISCJCB 22:13:18:05.4:1.0, 12:3S, 0:2:65.7E, 0:1, h10km, mb4.2/18,
MS3.8/5, Error ellipse: s-maj=26.9km s-min=14.6km
az=159.8

ISC 22:13:18:05.7:0.1, 12:15S, 65:71E, h0km, mb4.2/14,
mb1 4.3/14, mb1mx4.1/41, mbtmp4.2/14, MS3.8/6,
Ms1 3.8/6, ms1mx3.4/37, Error ellipse: s-maj=32.6km
s-min=22.0km az=172.0

ISC 22:13:18:06.8:1.0, 12:3S, 0:2:65.7E, 0:2, h10km, n40,
+0:85/32, mb4.4/18, MS3.8/5, Mid-Indian Ridge

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like H08N3 Diego Garcia H, H08N1 Diego Garcia H, H08N2 Diego Garcia H, etc.

ISCJCB 22:14:18:19.4:0.0, 0:51:46N, 16:15E, h0km
VIE 22:14:18:19.2:0.0, 0:51:22N, 16:07E, h0km, mb2.5/1, ml2.5/4,
Error ellipse: s-maj=4.9km s-min=4.0km az=75.0,
Suspected Missing Induced.

ISC 22:14:18:18:0.1, 8:51:47N, 0:09:16:19E, 0:05, h0km, n18,
+0:78/37, Poland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSP Ksiaz, KSP Ksiaz, UPC UPC, etc.

1660

TXAR Lajitas Array 160.35 331 PKPab PKPab 13 38 47.8 -0.3
0.9nm, 0.9s, baz=58, slow=4.3, SNR=6.9

ISCJCB 22:13:21:40.5:0.6, 7:07S, 0:05:129:89E, 0:08, h104km,
mb3.7/5, Error ellipse: s-maj=11.1km s-min=6.7km az=5.5
ISC 22:13:21:44.3:1.9, 7:10S, 129:87E, h124km, 17km, mb3.4/5,
mb1 3.9/10, mb1mx3.7/31, mbtmp4.3/10, Error ellipse:
s-maj=30.5km s-min=14.8km az=77.0

ISC 22:13:21:41.7:0.7, 7:18S, 0:05:130:01E, 0:10, h104km, n10,
+0:26/16, mb3.7/5, Tanimbar Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SIJI Sorong, SIJI Sorong, BATI Baumata, etc.

ISC 22:13:57:51.5:1.2, 18:25S, 177:47W, h0km, mb4.0/7,
s-maj=47.5km s-min=23.9km az=146.0, Fiji Islands
region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like URZ Urewera, STKA Stephens Creek, WRA Warramunga Arr, etc.

PRU 22:14:18:19.4:0.0, 0:51:46N, 16:15E, h0km
VIE 22:14:18:19.2:0.0, 0:51:22N, 16:07E, h0km, mb2.5/1, ml2.5/4,
Error ellipse: s-maj=4.9km s-min=4.0km az=75.0,
Suspected Missing Induced.

ISC 22:14:18:18:0.1, 8:51:47N, 0:09:16:19E, 0:05, h0km, n18,
+0:78/37, Poland

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like KSP Ksiaz, KSP Ksiaz, UPC UPC, etc.

ISC 22:14:24:55.2:1.6, 11:38S, 164:84E, h0km, mb3.5/4,
mb1 3.8/5, mb1mx3.6/29, mbtmp3.6/5, ML3.2/1, Error
ellipse: s-maj=49.4km s-min=30.7km az=123.0, Santa
Cruz Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like DZM Mont Dzumac, H11S2 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, etc.











Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual, and other parameters. Includes stations like GZRR, KSAR, KSRK, etc.

MEX 22 16:26:40.8-0.6, 16.26N-98.03W, h8km±18km, MD3.5,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

ISCJB 22 16:34:16.2-0.6, 5.16S-102.06E, 10.1, h182km, mb3.5/2, Error ellipse: s-maj=14.0km s-min=7.7km az=11.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 16:34:17.1-1.9, 5.07S-129.47E, h176km±22km, mb3.2/2, mb1 3.7/7, mb1mx3.3/4.2, mb1mtmp3.4/1.7, Error ellipse: s-maj=35.8km s-min=16.8km az=92.2

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 16:34:18.4-0.7, 5.5-6.1°E, h194km±6km, M4, 2/7, MLV4.2/7

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 16:34:17.6-0.9, 5.03S-107.07E, 129.54E-0.09, h182km, n12, c2518/14, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like BNDI, SAUI, FAKI, etc.

KURBB Kurchatov Arra 70.61 328 P 16 45 13.0 0.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

MEX 22 16:38:31.6-0.5, 16.31N-98.01W, h5km±14km, MD3.6,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

ISCJB 22 16:46:00.7-0.7, 19.82S-0.003-69.39W, 0.08, h101km±6km, mb3.6/2, Error ellipse: s-maj=13.1km s-min=5.2km az=175.5

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

GUC 22 16:46:02.0-4.0, 19.80S-69.25W, h91km±3km, ML3.5

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

ISC 22 16:46:00.8-1.1, 19.81S-0.004-69.32W, 0.08, h91km±8km, n14, c150/23, 4C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

ISC 22 16:46:00.8-1.1, 19.81S-0.004-69.32W, 0.08, h91km±8km, n14, c150/23, 4C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

ISC 22 16:46:00.8-1.1, 19.81S-0.004-69.32W, 0.08, h91km±8km, n14, c150/23, 4C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

ISC 22 16:46:00.8-1.1, 19.81S-0.004-69.32W, 0.08, h91km±8km, n14, c150/23, 4C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

ISC 22 16:46:00.8-1.1, 19.81S-0.004-69.32W, 0.08, h91km±8km, n14, c150/23, 4C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

ISC 22 16:46:00.8-1.1, 19.81S-0.004-69.32W, 0.08, h91km±8km, n14, c150/23, 4C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

ISC 22 16:46:00.8-1.1, 19.81S-0.004-69.32W, 0.08, h91km±8km, n14, c150/23, 4C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

ISC 22 16:46:00.8-1.1, 19.81S-0.004-69.32W, 0.08, h91km±8km, n14, c150/23, 4C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

ISC 22 16:46:00.8-1.1, 19.81S-0.004-69.32W, 0.08, h91km±8km, n14, c150/23, 4C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

ISC 22 16:46:00.8-1.1, 19.81S-0.004-69.32W, 0.08, h91km±8km, n14, c150/23, 4C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

ISC 22 16:46:00.8-1.1, 19.81S-0.004-69.32W, 0.08, h91km±8km, n14, c150/23, 4C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

ISC 22 16:46:00.8-1.1, 19.81S-0.004-69.32W, 0.08, h91km±8km, n14, c150/23, 4C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

ISC 22 16:46:00.8-1.1, 19.81S-0.004-69.32W, 0.08, h91km±8km, n14, c150/23, 4C-2D, Northern Chile

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like PNIG, WRA, etc.

WRA 0.6nm, 1.1s, baz=105, slow=3.2, SNR=2.2

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 17:41:18.5, 37.37N-26.89E, h7km, ML3.6/24

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 17:41:19.3-0.4, 37.39N-0.02-26.91E, 0.03, h5km±4km, Error ellipse: s-maj=3.6km s-min=2.7km az=177.4

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 17:41:19.4, 37.41N-26.98E, h1km±2km, ML3.5/2, Error ellipse: s-maj=2.9km s-min=1.0km az=59.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 17:41:19.8, 37.42N-26.85E, h19km±2km, ML3.4/4, Error ellipse: s-maj=2.9km s-min=1.1km az=222.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 17:41:19.2-1.1, 37.42N-0.02-26.93E, 0.02, h7km±10km, n56, c070/76, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 17:41:19.2-1.1, 37.42N-0.02-26.93E, 0.02, h7km±10km, n56, c070/76, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 17:41:19.2-1.1, 37.42N-0.02-26.93E, 0.02, h7km±10km, n56, c070/76, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 17:41:19.2-1.1, 37.42N-0.02-26.93E, 0.02, h7km±10km, n56, c070/76, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 17:41:19.2-1.1, 37.42N-0.02-26.93E, 0.02, h7km±10km, n56, c070/76, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 17:41:19.2-1.1, 37.42N-0.02-26.93E, 0.02, h7km±10km, n56, c070/76, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 17:41:19.2-1.1, 37.42N-0.02-26.93E, 0.02, h7km±10km, n56, c070/76, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 17:41:19.2-1.1, 37.42N-0.02-26.93E, 0.02, h7km±10km, n56, c070/76, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 17:41:19.2-1.1, 37.42N-0.02-26.93E, 0.02, h7km±10km, n56, c070/76, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 17:41:19.2-1.1, 37.42N-0.02-26.93E, 0.02, h7km±10km, n56, c070/76, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 17:41:19.2-1.1, 37.42N-0.02-26.93E, 0.02, h7km±10km, n56, c070/76, Dodecanese Islands

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like WRA, ASAR, MKAR, etc.

ISC 22 17:41:19.2-1.1, 37.42N-0.02-26.93E, 0.02, h7km±10km, n56, c070/76, Dodecanese Islands







Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KOTS, MDOK, ARXS, CHKK, KTBS, ULHL, KAPS, BOOM, KST, DGS, TKM2, WEL 22 18:34:00.8, 39:35:0.8, 177E, h22km, 2km, ML4.0/14.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HRRZ, TARZ, RITZ, EDJR, WHRT, HLRT, MOVZ, RUGZ, HSRZ, RATZ, GRRZ, PUAZ, KATZ, TUVZ, KRVZ, TSZ, MARZ, OMRZ, NGZ, WATZ, WHVZ, WTVZ, DVHZ, DRZ, WHRZ, FRVZ, GOVZ, KUTZ, PKGZ, MTVZ, HAZ, TWVZ, OPRZ, PKVZ, WMGZ, BFZ, POWZ, PRWZ, MNRZ, TIWZ, MRZ, TMWZ, HOWZ, CGWZ, CKWZ, KIWZ, TUWZ, QRZ, THZ.

CRAAG 22 18:36:02.7, 36:58N, 5:25E, M13.2
ISJC 22 18:36:05.1, 0.4, 36:90N, 0:04, 5:24E, 0:06, h18km, Error ellipse: s-maj=7.0km s-min=4.2km az=147.6
MDD 22 18:36:07.1, 0.3, 36:76N, 5:25E, h20km, 17km, mb4.2/1, Error ellipse: s-maj=12.1km s-min=6.1km az=162.0
LDG 22 18:36:09.3, 0.7, 36:94N, 5:45E, h10km, M13, 1/6, Error ellipse: s-maj=15.4km s-min=8.9km az=159.0
ISC 22 18:36:04.9, 0.9, 36:82N, 0:04, 5:29E, 0:04, h18km, m49, e237/63, Northern Algeria

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DFRA, SET, CKHR, CASM, CTEI, ATAF, CAEH, ABMS, CMAH, ABA, ETOS, EIBI, CFON, EPOB, PGF, LMR, FRF, MTLF, SMRF, SBF, LASF, ETSF, MBDF, SJJF, VJVF, EALK.

WEL 22 18:34:00.8, 39:35:0.8, 177E, h22km, 2km, ML4.0/14, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WHZH, KNZ, ARHZ, MHGZ, RAHZ, SNGZ, CKHZ, NMHZ, PRGZ, MTHZ, RIGZ, KAHZ, BKZ, RTZ, RAGZ, KWHZ, MRHZ, TKGZ, MUGZ, MWZ, CNGZ, URZ, BHZ, ALZ, HATZ, PRRZ, WPRZ, TWGZ, PRHZ, WPRZ.

IDC 22 18:48:37.9, 2.2, 7:99S, 122:18E, h0km, mb3.4/1, mb1 3.5/3, mb1mx3.3/35, mbtmp3.3/3, ML2.9/1, MS3.1/1, s-maj=30.5km az=55.0, Flores Sea, Error ellipse: s-maj=270.2km

MKAR Makanchi Array 65.05 331 P P 18 59 20.1 -0.1

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SRN, TPE, IGT.

TIR 22 19:03:32.0, 40:09N, 19:77E, h9km, M2.3/3, Albania

BUI 22 19:16:13.5, 5:368N, 99:16E, h5km, mb3.8/1, ML3.8/1/3, Ms3.7/6, Ms7 3/7.2

IDC 22 19:16:15.0, 2.6, 35:81N, 99:20E, h0km, mb3.5/4, mb1 3.7/7, mb1mx3.4/54, mbtmp3.6/7, ML3.5/3, Error ellipse: s-maj=57.8km s-min=32.4km az=85.0

ISC 22 19:16:14.6, 9.9, 35:68N, 0:07, 99:24E, 0:05, h10km, n11, e233/20, mb3.5/3, Ghaingai

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GTA, LHZ, XAN, WMQ, SONM, CMAR, ZALV, KURBB, BVAR, BRTR.

SJA 22 19:32:11.6, 0.8, 33:65S, 71:31W, h33km, 3km, ML2.5, MW3.2

GUC 22 19:32:13.5, 0.6, 33:46S, 71:15W, h74km, 10km, ML3.1

ISC 22 19:32:15.9, 2.4, 33:54S, 0:08, 71:1W, 0:1, h30km, 13km, n14, e138/22, 3C, Near coast of central Chile

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CLCH, PEL, ROCC, ROCH, FCH, LMEL, AUSP, ARCO, AAGR, ASAL, RTLS, RVCV, CFA, AMOG.

IDC 22 19:50:45.1, 8.1, 18:84N, 143:44E, h0km, mb3.4/4, mb1 3.6/4, mb1mx3.3/29, mbtmp3.4/4, Error ellipse: s-maj=318.9km s-min=25.1km az=77.0, Mariana Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA, ASAR, MKAR, KURBB.

KRSC 22 19:51:34.7, 1.0, 51:67N, 158:32E, h50km, 6km, ML4.1, FELT [II] at lighthouse Kruglyj; [I] at GMS Vodopadnyj, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KDTR, RUS, MTRV, GRL, PAU.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KRMF, KRMR, DALNY, etc.

NEIC 22:20:09:55.0,0.0,14.49S:75.92W,h60km,ML4.3(ARE), After ARE. NEIC Felt [I] at Ica. IDC 22:20:09:56.2,2.6,14.31S:75.71W,h55km,22km,mb3.4/3, mb1 3.8/6, mb1mx3.5/38, mbtmp3.9/6, ML4.0, 0.3, MS3.4/1, Ms1 3.4/1, ms1mx2.7/20, Error ellipse: s-maj=39.8km s-min=23.2km az=48.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like NNA, NNA, NNA, etc.

ISCJB 22:20:15:21.9,0.2,15.66S:0.03:71.38W:0.07,h10km, mb4.7/67, MS4.1/17, Error ellipse: s-maj=10.3km s-min=9.1km az=167.1 ARE 22:20:15:21.0,0.0,15.82S:71.86W,h24km Yellowknife Ar 82.61 342 P 0.3nm,0.6s,baz=141,slo=1.0,SNR=6.3

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB12, LPAZ, NNMC, etc.

NEIC Felt [I] at Maca. GCMT 22:20:15:24.5,0.4,15.85S:0.02:71.68W:0.03,h28km,1km, MW5.0/66, Moment Tensor Solution. s19,c23; s66,c80; Duration: 0 Moment tensor: Scale 10^19Nm; Mr=0.52,23; Mho3.24,15; Mho2.72,18; Mho1.26,23; Mho0.84,14; Mho0.98,37; Best double couple: Mo3.50100:10^19 Np13=125.00000; s85.00000; A=28.00000; NP2; q=18.00000; s62.00000; 1-174.00000. Principal axes: T 3.6670, Plg16.0000; Azm175.0000; N -0.3310. Plg61.0000; Azm296.0000; P -3.3340, Plg23.0000; Azm78.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 22:20:15:25.6,3.9,15.59S:71.26W,h21km,25km,mb4.2/15, mb1 4.3/18, mb1mx4.2/37, mbtmp4.3/18, ML3.8/3, MS4.0/20, Ms1 4.0/20, ms1mx3.9/32, Error ellipse: s-maj=21.3km s-min=13.4km az=61.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB12, LPAZ, NNMC, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like BDFB, BRDFA, TDFO, etc.

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TORD, TOROI, AR, BEA, etc.



WMOK	Wichita Mounta	56.51 333	P	P	21 11 30.2	-0.2
PAL	Palisades	56.52 358	P	P	21 11 30.9	+0.5
Q45A	Warren Harvey,	56.55 344	P	P	21 11 30.8	+0.1
CCM	Cathedral Cave	56.65 341	eP	P	21 11 31.1	-0.3
CCM	Cathedral Cave	56.65 341	eP	Pmax	21 11 31.1	-0.3
CCM	Cathedral Cave	56.65 341	P	P	21 11 31.4	0.0
N55A	Marion Center	56.67 353	P	P	21 11 32.3	+0.8
R42A	Luebbering	56.72 342	P	P	21 11 32.0	+0.1
Q44A	Meyer Farm, Va	56.79 344	eP	P	21 11 31.6	-0.7
Q44A	Meyer Farm, Va	56.79 344	P	P	21 11 32.2	-0.2
R41A	Rosebud	56.91 341	P	P	21 11 32.6	-0.6
N54A	Moraine State	56.98 352	eP	P	21 11 33.0	-0.6
N54A	Moraine State	56.98 352	P	P	21 11 33.4	-0.3
P46A	Rosedale	56.90 346	P	P	21 11 33.2	-0.6
Q43A	New Douglas	57.01 343	P	P	21 11 33.7	-0.3
P45A	Graceland, Par	57.05 345	P	P	21 11 34.1	-0.1
Q48A	Farnland	57.16 348	P	P	21 11 34.8	-0.1
P44A	Sand Creek, Wi	57.22 344	P	P	21 11 35.2	-0.1
Q42A	Golden Eagle	57.22 342	P	P	21 11 35.2	-0.2
MNTX	Cornudus Mount	57.29 326	eP	P	21 11 35.3	-0.8
MNTX	Cornudus Mount	57.29 326	P	P	21 11 35.9	-0.2
M55A	Ridgway	57.33 354	P	P	21 11 36.9	+0.7
Q47A	Sheridan	57.35 347	P	P	21 11 36.0	-0.4
Q41A	Truxton	57.47 342	P	P	21 11 36.5	-0.7
M54A	Oil Creek Stat	57.47 353	P	P	21 11 37.1	-0.1
M53A	W Miller and	57.53 352	P	P	21 11 37.8	+0.3
N49A	Columbus Grove	57.60 349	P	P	21 11 38.2	+0.1
P43A	Skaggs, Pawnee	57.62 344	P	P	21 11 38.1	-0.1
ALLY	Allegheny Colle	57.67 352	eP	P	21 11 38.4	-0.1
SFIN	Lafayette	57.70 346	P	P	21 11 38.3	-0.4
N48A	Decatur	57.71 348	P	P	21 11 38.7	-0.1
Q45A	Potomac	57.73 345	P	P	21 11 38.2	-0.7
MSTX	Muleshoe	57.73 329	eP	P	21 11 38.0	-1.2
MSTX	Muleshoe	57.73 329	P	P	21 11 38.6	-0.6
P42A	Winchester	57.79 343	P	P	21 11 39.2	-0.2
BINY	Binghamton	57.81 356	P	P	21 11 39.0	-0.5
Q44A	Mansfield	57.82 345	P	P	21 11 39.1	-0.5
M50A	Fremont	57.87 350	P	P	21 11 40.4	+0.6
AMTX	Amarillo	57.95 331	P	P	21 11 40.2	-0.5
L53A	Girard	57.99 352	P	P	21 11 41.2	+0.5
L55A	Hinsdale	58.00 354	P	P	21 11 41.6	+0.7
P41A	Barry, Barry	58.08 342	P	P	21 11 41.5	0.0
M49A	Liberty Center	58.10 349	P	P	21 11 41.6	+0.1
N46A	Monticello	58.11 346	P	P	21 11 41.0	-0.6
ERPA	Erie	58.11 353	eP	P	21 11 42.0	-1.4
ERPA	Erie	58.11 353	P	P	21 11 42.0	+0.4
N45A	Kentland	58.24 346	P	P	21 11 42.2	-0.4
Q42A	Bath	58.29 343	P	P	21 11 42.0	-0.8
M47A	Cromwell	58.31 348	P	P	21 11 42.6	-0.4
N44A	Piper City	58.34 345	P	P	21 11 42.5	-0.8
HDIL	Hopedale	58.41 344	P	P	21 11 42.9	-0.8
Q41A	Passleys Farm,	58.44 343	P	P	21 11 43.4	-0.5
MMNV	Mt. Morris Dam	58.49 354	eP	P	21 11 43.9	-0.4
K55A	Perry	58.51 354	P	P	21 11 44.3	-0.1
N43A	Stutzman Famil	58.74 344	P	P	21 11 45.7	+0.3
L47A	Sherwood	58.82 348	P	P	21 11 46.3	-0.3
K52A	Tilsonburg	58.86 352	P	P	21 11 46.8	0.0
N42A	Yates City	58.87 344	P	P	21 11 46.7	-0.2
MEDO	Medina	58.98 354	P	P	21 11 48.0	+0.4
N41A	Harden Midland	58.98 343	eP	P	21 11 46.9	-0.8
N41A	Harden Midland	58.98 343	P	P	21 11 47.5	-0.2
JY5A	Hilton	59.02 355	P	P	21 11 48.7	+0.8
T50A	Tyneside	59.06 353	P	P	21 11 48.7	+0.5
STCO	Saint Catharin	59.09 353	P	P	21 11 48.8	+0.4
M43A	Waltham Townsh	59.15 345	P	P	21 11 48.7	-0.1
121A	Cookes Peak, D	59.25 324	P	P	21 11 49.3	-0.7
319A	Douglas	59.26 322	eP	P	21 11 50.9	+0.9
J52A	Paris	59.28 352	P	P	21 11 50.1	+0.4
ELFO	Elginfield	59.35 352	P	P	21 11 50.4	+0.2
N40A	Mertquake, Sal	59.35 342	P	P	21 11 50.6	+0.4
KSU1	Kansas State U	59.41 337	eP	P	21 11 50.6	-0.1
KSU1	Kansas State U	59.41 337	P	P	21 11 50.9	+0.2
K48A	Perry	59.41 349	P	P	21 11 50.7	+0.1
K47A	Vermontville	59.45 348	P	P	21 11 51.0	+0.1
ACTO	Acton	59.59 353	P	P	21 11 51.5	-0.4
K46A	Dorr	59.62 348	P	P	21 11 51.5	-0.6
DRWO	Darlington Wes	59.70 354	P	P	21 11 52.7	+0.1
DRCO	St. Marys Ceme	59.71 354	P	P	21 11 53.6	+1.0
WLVO	Wesleyville	59.72 354	P	P	21 11 53.1	+0.3
L43A	Marlette	59.79 350	P	P	21 11 53.2	0.0
J49A	Garden Prairie	59.80 345	P	P	21 11 53.0	-0.3
PKRO	Pickering	59.83 354	P	P	21 11 53.7	+0.2
J48A	Bridge Port	59.84 350	P	P	21 11 53.2	-0.3

I51A	Listowel	59.91 352	P	P	21 11 54.2	+0.1
I55A	Frankford	59.95 355	P	P	21 11 54.8	+0.5
M39A	Webster	60.07 342	P	P	21 11 54.9	-0.3
LONV	Lake Ozonia	60.15 357	P	P	21 11 56.5	+0.8
L41A	Preston	60.15 344	P	P	21 11 55.4	-0.4
BASO	Ashfield	60.20 352	P	P	21 11 56.6	+0.5
H56A	Elgin	60.21 356	P	P	21 11 56.6	+0.5
H55A	Tweed	60.24 355	P	P	21 11 57.1	+0.8
DELO	Deloro Mine	60.24 355	P	P	21 11 56.8	+0.5
L40A	Anamosa	60.34 343	P	P	21 11 57.0	0.0
ANMO	Albuquerque	60.37 327	eP	P	21 11 57.5	-0.1
ANMO	Albuquerque	60.37 327	eP	Pmax	21 11 56.6	-1.0
ANMO	Albuquerque	60.37 327	P	P	21 11 57.9	+0.3
ANMO	Albuquerque	60.37 327	P	P	21 11 58.3	+0.6
K42A	Prairie Point,	60.51 345	P	P	21 11 58.5	+0.3
K41A	Shuburg	60.60 344	P	P	21 11 58.6	-0.2
SADO	Sadowa	60.63 354	eP	P	21 11 58.3	-0.7
I48A	Sherman Twp	60.68 350	P	P	21 11 59.4	0.0
BMRO	Meriville Lake	60.71 352	P	P	21 12 00.0	+0.5
PLVO	Plevna	60.72 355	eP	P	21 11 59.9	+0.4
PLVO	Plevna	60.72 355	P	P	21 12 00.0	+0.5
I46A	Reed City	60.76 348	P	P	21 12 00.5	+0.6
BANO	Banzcroft	60.77 355	P	P	21 12 00.7	+0.8
J43A	Natural Harves	60.86 346	P	P	21 12 00.9	+0.4
G55A	Calogio	60.90 356	P	P	21 12 01.2	+0.4
G53A	Haliburton	60.93 354	P	P	21 12 01.2	+0.2
J42A	Columbus	60.97 345	P	P	21 12 01.6	+0.3
T25A	Trinidad	61.07 330	eP	P	21 12 02.5	+0.2
T25A	Trinidad	61.07 330	P	P	21 12 02.8	+0.4
H48A	Harrisville	61.12 350	P	P	21 12 02.8	+0.5
ALFO	Alfred	61.17 357	P	P	21 12 03.6	+1.0
J41A	Logansville	61.23 345	P	P	21 12 03.5	+0.4
I43A	Langenfeld Bro	61.27 346	P	P	21 12 04.6	+1.3
BUKO	Buck Lake	61.33 354	P	P	21 12 04.7	+1.0
KLBO	Killbear Provi	61.33 353	P	P	21 12 04.6	+0.9
PEMO	Pembroke	61.36 355	P	P	21 12 04.9	+1.0
J40A	Soldiers Grove	61.45 344	P	P	21 12 04.8	+0.2
I42A	Draeger Farm,	61.46 346	P	P	21 12 05.0	+0.4
J39A	Decorah	61.65 343	P	P	21 12 05.8	-0.2
F52A	Sundridge	61.67 354	P	P	21 12 06.8	+0.8
G47A	Hillside	61.67 350	P	P	21 12 06.5	+0.5
ALGO	Algonquin Park	61.70 355	P	P	21 12 07.1	+0.9
TRQ	Trumbant	61.75 358	eP	P	21 12 06.4	-0.2
KSCO	Kaye Shedlock'	61.77 333	P	P	21 12 07.4	+0.3
214A	Organ Pipe Nat	61.79 320	P	P	21 12 07.4	+0.2
I41A	Arkdale	61.85 345	P	P	21 12 07.5	+0.3
F51A	Arnstein	61.86 353	P	P	21 12 07.6	+0.3
I40A	Northwalk	61.88 344	P	P	21 12 07.8	+0.3
X18A	Snowflake	61.94 324	eP	P	21 12 08.5	+0.2
H42A	Shiocton	61.95 346	P	P	21 12 08.4	+0.5
G46A	Potoskey	61.98 349	P	P	21 12 08.5	+0.4
BGNE	Belgrade	61.99 338	P	P	21 12 08.7	+0.4
SDCO	Great Sand Dun	62.07 330	eP	P	21 12 07.7	-1.5
SDCO	Great Sand Dun	62.07 330	P	P	21 12 09.6	+0.3
I39A	Houston	62.08 344	P	P	21 12 09.3	+0.5
E52A	Mattawa	62.09 354	P	P	21 12 09.6	+0.8
E53A	Dumoine, Ponti	62.09 355	P	P	21 12 09.6	+0.7
E54A	Lac Daplat, Po	62.11 356	P	P	21 12 09.8	+0.9
W18A	Petrified Fore	62.26 325	eP	P	21 12 09.7	-0.7
H41A	Junction City	62.32 345	P	P	21 12 10.9	+0.5
F46A	Macinaw City C	62.41 350	P	P	21 12 11.8	+0.8
E51A	G1948 Merrick	62.41 354	P	P	21 12 12.1	+1.1
E50A	Wahnappitae	62.45 353	P	P	21 12 12.0	+0.8
F45A	CM Biological	62.45 349	P	P	21 12 11.8	+0.5
G43A	Wallace	62.48 347	P	P	21 12 11.6	+0.2
H40A	Chili	62.50 345	P	P	21 12 12.1	+0.4
G42A	Mountain	62.62 347	P	P	21 12 13.4	+1.0
X16A	Lo Mia Camp, P	62.71 323	eP	P	21 12 14.8	+1.4
S22A	4UR Ranch, Cre	62.72 329	P	P	21 12 13.6	0.0
D52A	ZEK Kipawa Sen	62.75 355	P	P	21 12 13.8	+0.6
G41A	Antigo	62.77 346	P	P	21 12 13.5	+0.1
H39A	Augusta	62.79 344	P	P	21 12 13.6	+0.1
D54A	Lac Fusel, La	62.79 356	P	P	21 12 14.0	+0.5
D53A	Lac Vacive, Po	62.79 355	P	P	21 12 14.5	+1.0
E47A	Iron Bridge	62.83 351	P	P	21 12 14.1	+0.4
LATQ	La Tuque	62.86 359	P	P	21 12 14.6	+0.7









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P53A	Whipple	baz=159,SNR=8.1	55.75 351	eP	P	22 00 25.2	0.0
P53A	Whipple	comp=Z,77nm,1.4s	55.75 351	P	P	22 00 24.6	-0.6
SIUC	Southern Illin	baz=168,SNR=5.7	55.75 343	eP	P	22 00 23.6	-1.7
S43A	Fulton Ridge	comp=Z,42nm,0.9s	55.86 342	P	P	22 00 25.2	-0.9
T41A	Mountain View	baz=158,SNR=6.1	55.90 341	P	P	22 00 25.6	-0.7
HHAR	Hobbs	baz=156,SNR=6.2	55.95 338	eP	P	22 00 26.4	-0.3
P52A	Corning	comp=Z,29nm,1.2s	56.01 350	P	P	22 00 26.7	-0.4
Q48A	North Vernon	baz=168	56.03 347	P	P	22 00 26.7	-0.5
R45A	Skyler, Fairri	baz=164	56.04 344	P	P	22 00 26.7	-0.5
O56A	Blue Knob Stat	baz=160	56.15 354	eP	P	22 00 29.7	+1.6
O56A	Blue Knob Stat	comp=Z,107nm,1.8s	56.15 354	P	P	22 00 27.7	-0.5
O55A	Ligonier	baz=172	56.17 353	P	P	22 00 27.3	-1.0
Q47A	Bedord North L	baz=171	56.19 346	P	P	22 00 27.3	-1.1
R44A	Waltonville	baz=169,SNR=6.5	56.21 343	P	P	22 00 26.8	-1.7
S42A	Caledonia	baz=160	56.26 342	P	P	22 00 27.1	-1.8
P50A	Jamestown	baz=159	56.28 349	P	P	22 00 28.6	-0.5
O54A	Avella	baz=166	56.29 352	P	P	22 00 28.2	-0.9
TUL1	Leonard	baz=170	56.30 336	eP	P	22 00 30.2	+0.9
TUL1	Leonard	comp=Z,30nm,0.9s	56.30 336	P	P	22 00 28.8	-0.4
FVM	French Village	baz=152	56.35 342	eP	P	22 00 29.8	+0.2
FVM	French Village	comp=Z,128m,1.8s	56.35 342	eP	P	22 00 29.8	+0.2
FVM	FVM	comp=Z,129nm,1.8s	56.39 341	P	P	22 00 28.8	-1.0
S41A	Jillico Farms,	baz=158,SNR=7.1	56.39 348	P	P	22 00 28.4	-1.4
P49A	Miami Univ. Ec	baz=165	56.44 351	P	P	22 00 30.4	+0.3
O52A	Adamsville	baz=168	56.45 354	eP	P	22 00 32.3	+2.2
SSPA	Standing Stone	comp=Z,59nm,1.5s	56.45 354	eP	P	22 00 30.6	+0.4
SSPA	Standing Stone	baz=173	56.47 347	P	P	22 00 29.2	-1.2
P48A	Milroy	baz=164	56.47 351	P	P	22 00 30.3	-0.1
O53A	New Philadelph	baz=169	56.48 343	P	P	22 00 29.8	-0.6
R43A	Red Bud	baz=159	56.52 333	eP	P	22 00 30.1	-0.7
WMOK	Wichita Mounta	comp=Z,9.2nm,1.1s	56.52 333	eP	P	22 00 30.1	-0.7
WMOK	Wichita Mounta	comp=Z,9.0nm,1.1s	56.52 333	eP	P	22 00 30.5	-0.3
WMOK	Wichita Mounta	baz=148	56.59 350	P	P	22 00 30.0	-1.3
O51A	Pataskala	baz=167	56.66 341	eP	P	22 00 31.7	0.0
CCM	Cathedral Cave	comp=Z,32nm,1.4s	56.66 341	eP	P	22 00 31.7	0.0
CCM	Cathedral Cave	comp=Z,32nm,1.4s	56.66 341	eP	P	22 00 31.2	-0.5
CCM	Cathedral Cave	baz=157	56.68 346	P	P	22 00 31.2	-0.6
P47A	Martinsville	baz=163	56.70 353	P	P	22 00 32.4	+0.4
N55A	Marion Center	baz=171,SNR=6.9	56.73 342	P	P	22 00 31.5	-0.7
R42A	Luebbering	56.74 350	eP	P	22 00 35.0	+2.7	
ACSO	Alum Creek Sta	comp=Z,50nm,1.4s	56.74 350	P	P	22 00 32.1	-0.1
ACSO	Alum Creek Sta	baz=167	56.81 344	eP	P	22 00 32.5	-0.3
Q44A	Meyer Farm, Va	comp=Z,44nm,1.3s	56.81 344	P	P	22 00 31.8	-0.9
Q44A	Meyer Farm, Va	baz=160	56.93 341	P	P	22 00 33.0	-0.6
R41A	Rosebud	baz=157,SNR=8.3	56.95 348	eP	P	22 00 33.1	-0.7
Q49A	Covington	comp=Z,33nm,1.3s	57.00 352	eP	P	22 00 33.7	-0.5
N54A	Moraine State	comp=Z,97nm,1.3s	57.00 352	P	P	22 00 33.6	-0.5
N54A	Moraine State	baz=170,SNR=7.1	57.02 346	P	P	22 00 33.6	-0.6
P46A	Rosedale	baz=162	57.03 343	P	P	22 00 34.0	-0.4
Q43A	New Douglas	baz=159	57.07 345	P	P	22 00 34.8	+0.2
P45A	Graceland, Par	baz=161	57.18 348	P	P	22 00 34.3	-1.1
O48A	Farmland	baz=164,SNR=5.3	57.23 344	P	P	22 00 34.9	-0.9
P44A	Sand Creek, Wi	baz=160	57.24 342	P	P	22 00 35.2	-0.6
Q42A	Golden Eagle	baz=158	57.29 326	eP	P	22 00 34.7	-1.7
MNTX	Cornudas Mount	comp=Z,11nm,1.0s	57.29 326	P	P	22 00 35.0	-1.4
MNTX	Cornudas Mount	baz=140,SNR=12	57.29 350	P	P	22 00 35.4	-0.8
N50A	Nevada	baz=167	57.36 354	P	P	22 00 36.9	+0.3
O57A	Ridgway	baz=171	57.38 347	P	P	22 00 35.2	-1.5
M45A	Sheridan	baz=163	57.48 342	P	P	22 00 36.8	-0.7
Q41A	Truxton	baz=157,SNR=5.9	57.50 353	eP	P	22 00 36.9	-0.8
M54A	Oil Creek Stat	comp=Z,70nm,1.2s	57.50 353	P	P	22 00 37.2	-0.4
M54A	Oil Creek Stat	baz=171,SNR=7.3	57.56 352	P	P	22 00 37.4	-0.6
M53A	WI Miller and	baz=170	57.63 349	eP	P	22 00 38.0	-0.5
N49A	Columbus Grove	comp=Z,17nm,0.9s	57.63 349	P	P	22 00 38.1	-0.5
N49A	Columbus Grove	baz=166	57.63 344	P	P	22 00 37.8	-0.8
P43A	Skaggs, Pawnee	baz=159	57.72 346	P	P	22 00 38.0	-1.2
SF12	Lafayette	57.73 329	eP	P	22 00 38.8	-0.7	
MSTX	Muleshoe	comp=Z,37nm,1.1s	57.73 329	P	P	22 00 38.2	-1.3
MSTX	Muleshoe	baz=144,SNR=9.1	57.73 348	P	P	22 00 38.5	-0.8
N48A	Decatur	baz=165	57.75 345	P	P	22 00 38.1	-1.2
O45A	Potomac	baz=162	57.76 351	P	P	22 00 39.7	+0.3
M52A	Chesterland	baz=169	57.81 343	eP	P	22 00 39.5	-0.3
P42A	Winchester	comp=Z,17nm,1.0s	57.81 343	P	P	22 00 39.3	-0.6
P42A	Winchester	baz=158	57.84 356	eP	P	22 00 42.1	+2.0
BINY	Binghamton	comp=Z,39nm,1.3s	57.84 356	eP	P	22 00 40.3	+0.3
BINY	Binghamton	baz=175	57.89 347	P	P	22 00 40.3	-0.5
N47A	Urbana	baz=164	57.95 331	eP	P	22 00 41.5	+0.4
AMTX	Amarillo	comp=Z,39nm,1.8s	57.95 331	P	P	22 00 39.9	-1.1
AMTX	Amarillo	baz=145	58.01 0	P	P	22 00 40.5	-0.7
HRV	Adam Dzewonsk	baz=180	58.01 352	P	P	22 00 40.4	-0.6
L53A	Girard	baz=170,SNR=7.4	58.03 354	P	P	22 00 41.4	0.0
L55A	Hinsdale	baz=172	58.10 342	P	P	22 00 41.3	-0.6
P41A	Barry, Barry	baz=158					

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M49A	Liberty Center	58.12 349	P	P	22 00 41.6	-0.3	
N46A	Monticello	58.13 346	P	P	22 00 41.9	-0.1	
ERPA	Erie	58.14 353	eP	P	22 00 41.2	-0.9	
ERPA	Erie	comp=Z,92nm,1.0s	58.14 353	P	P	22 00 41.3	-0.9
O41A	Passleys Farm,	baz=170,SNR=7.7	58.46 343	P	P	22 00 43.4	-0.9
K55A	Perry	baz=156	58.53 354	P	P	22 00 44.9	+0.1
N43A	Stutzman Famil	baz=173	58.76 344	P	P	22 00 45.2	-1.2
L47A	Sherwood	baz=165	58.84 348	P	P	22 00 45.5	-1.5
N42A	Yates City	58.88 344	P	P	22 00 46.1	-1.2	
MEDO	Medina	59.01 354	P	P	22 00 48.3	+0.2	
J55A	Hilton	baz=172	59.05 355	P	P	22 00 48.1	-0.2
TYNO	Tyneside	baz=173	59.09 353	P	P	22 00 48.7	0.0
STCO	Saint Catharin	baz=171	59.12 354	P	P	22 00 48.3	-0.6
M43A	Walham Townsh	baz=171	59.17 345	P	P	22 00 48.2	-1.1
121A	Cookes Peak, D	baz=169	59.25 324	P	P	22 00 49.9	-0.4
319A	Douglas	comp=Z,139,SNR=5.9	59.25 322	eP	P	22 00 51.6	+1.4
J52A	Paris	comp=Z,20nm,1.0s	59.31 352	P	P	22 00 49.1	-1.1
N40A	Mertquaque, Sal	baz=170	59.37 342	P	P	22 00 49.7	-0.9
KSU1	Kansas State U	comp=Z,14nm,0.7s	59.42 338	eP	P	22 00 50.9	-0.1
K48A	Perry	59.44 349	P	P	22 00 50.1	-1.0	
K47A	Vermontville	baz=166	59.47 349	P	P	22 00 50.1	-1.3
K46A	Dorr	baz=165	59.64 348	P	P	22 00 50.9	-1.6
DRWO	Darlington Wes	59.73 354	P	P	22 00 52.4	-0.7	
DRCO	St. Marys Ceme	baz=172	59.73 354	P	P	22 00 53.0	-0.1
WLVO	Wesleyville	59.75 354	P	P	22 00 52.8	-0.4	
L43A	Garden Prairie	baz=161	59.82 345	P	P	22 00 52.9	-0.8
M40A	Post Highland	baz=169	59.83 343	P	P	22 00 53.3	-0.6
BNM	Barren Site	59.84 327	eP	P	22 00 56.0	+1.6	
J48A	Bridge Port	59.86 350	P	P	22 00 52.1	-1.9	
I51A	Listowel	59.93 352	P	P	22 00 53.3	-1.2	
L41A	Preston	60.17 344	P	P	22 00 54.9	-1.2	
LONY	Lake Ozonia	60.18 358	eP	P	22 00 58.1	+1.8	
H56A	Elgin	comp=Z,49nm,1.6s	60.24 356	P	P	22 00 57.4	+0.8
BWLO	Walkerton	baz=175	60.26 352	P	P	22 00 56.7	-0.1
LAZ	Ladon	60.31 326	eP	P	22 00 58.9	+1.3	
FRNY	Flat Rock	comp=Z,82nm,1.9s	60.36 358	eP	P	22 00 59.3	+1.8
ANMO	Albuquerque	60.36 327	eP	P	22 00 58.7	+0.8	
ANMO	Albuquerque	comp=Z,11nm,1.3s	60.36 327	eP	P	22 00 56.4	-1.5
ANMO	Albuquerque	comp=Z,7.0nm,1.0s	60.36 327	P	P	22 00 57.5	-0.4
ANMO	Albuquerque	baz=161	60.36 327	P	P	22 00 57.3	-0.6
CBKS	Cedar Bluff	comp=Z,3.9nm,1.0s	60.38 335	eP	P	22 00 58.4	+0.6
CBKS	Cedar Bluff	comp=Z,36nm,1.1s	60.38 335	eP	P	22 00 58.4	+0.6
CBKS	Cedar Bluff	baz=159	60.38 335	eP	P	22 00 58.4	+0.6
K42A	Prairie Point,	comp=Z,36nm,1.1s	60.53 345	P	P	22 00 58.4	-0.2
SADO	Sadown	baz=160	60.66 354	eP	P	22 00 57.5	-1.9
PLVO	Plevna	comp=Z,59nm,1.3s	60.75 356	P	P	22 01 00.6	+0.6
BANO	Bancroft	baz=174	60.80 355	P	P	22 01 00.4	0.0
TUC	Tucson	baz=173	60.81 322	eP	P	22 01 02.2	+1.3
TUC	Tucson	comp=Z,6.8nm,1.1s	60.81 322	eP	P	22 01 02.2	+1.3
TUC	Tucson	comp=Z,7.0nm,1.1s	60.81 322	P	P	22 01 00.1	-0.8
K40A	Colesburg	baz=136	60.93 344	P	P	22 01 00.9	-0.5
G55A	Calabogie	60.93 356	P	P	22 01 01.7	+0.3	
G53A	Halliburton	baz=174	60.96 354	P	P	22 01 01.3	-0.3
J42A	Columbus	baz=161	60.99 345	P	P	22 01 02.6	+0.8
T25A	Trinidad	comp=Z,49nm,1.0s	61.07 330	eP	P	22 01 04.2	+

22d 21h

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like JLU, TPNV, FURC, AGMN, etc.

2015 FEB

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like BMO, M04C, F10A, M02C, etc.

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Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like WMQ, WMQ, WMQ, etc.

KRSC 22:22:03.19.9.1.7, 54.47N, 167.99E, h6km, 21km, ML3.9, Komandorsky Islands region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Bering, Krutoberegovo, Mys Kozlova, Semkarok, etc.

ISCJB 22:19:50.0.0.7, 36.2S, 0.1, 100.0W, 0.1, h14km, mb4.3/19, MS4.0/5, Error ellipse: s-maj=18.7km s-min=10.5km az=36.5

IDC 22:19:50.2.1.2, 36.05S, 99.96W, h0km, mb4.2/10, mb1 4.5/10, mb1mx4.3/31, mbtmp4.2/10, MS4.0/6, Ms1 4.0/6, ms1mx3.7/22, Error ellipse: s-maj=35.5km s-min=22.1km az=19.0

NEIC 22:19:51.5.0.8, 36.19S, 99.89W, h10km, mb4.6/12, Error ellipse: s-maj=19.0km s-min=10.7km az=215.0

GCMT 22:19:52.5.0.4, 36.19S, 0.02, 99.83W, 0.03, h13km, 2km, MW4.9/75, Moment Tensor Solution, s11, c12, s75, c93, Duration: 0. Moment Tensor: Scale: 0.16Nm; Mo: 1.3; Mw: 0.79; 11; Mw: 0.92; 13; Mo: 0.87; 39; Mw: 2.44; 14; Mw: 0.36; 33; Best double couple: Mo: 74600x1016; NP1: 0.100, 0.0000, 0.88, 0.0000, 0.161, 0.0000; NP2: 0.190, 0.0000, 0.671, 0.0000, 0.2, 0.0000; Principal axes: T: 2.8660, Plg15.0000, Azm53.0000; N: -0.2380, Plg17.0000, Azm273.0000; P: -2.6270, Plg12.0000, Azm147.0000; nst1 refers to body waves, cutoff=40s, nst2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 22:19:51.9.0.8, 36.2S, 0.1, 100.0W, 0.1, h14km, n32, e19123, mb4.3/19, MS4.1/5, 1C, Southeast of Easter Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Rapa Nui, Paso Flores, Cerro Castillo, Tololo Observa, etc.

IDC 22:22:02.6.0.4, 11.05S, 165.81E, h0km, mb4.6/22, mb1 4.2/24, mb1mx4.7/31, mbtmp4.7/24, ML4.9/2, MS4.5/12, Ms1 4.5/12, ms1mx4.2/26, Error ellipse: s-maj=15.7km s-min=12.7km az=91.0

ISCJB 22:22:03.0.0.1, 11.12S, 0.03, 165.73E, 0.03, h10km, mb5.0/134, MS4.6/17, Error ellipse: s-maj=4.1km s-min=3.7km az=38.9

BUI 22:22:04.3.1, 11.09S, 165.67E, h14km, mb5.4/29, mb4.7/44, MS5.1/17, Ms7.4/9/19

NEIC 22:22:06.2.6, 11.07S, 165.70E, h22km, 18km, mb5.2/96, Error ellipse: s-maj=6.3km s-min=5.2km az=202.0

MOS 22:22:07.1.3, 10.92S, 165.54E, h33km, mb5.1/38, MS4.6/6, Error ellipse: s-maj=6.4km s-min=6.9km az=27.6

ISC 22:22:04.6.3, 11.08S, 0.06, 165.90E, 0.06, h10km, n317, e1840/318, mb5.1/34, MS4.6/17, 7C-1D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Honiara, Mare, Loyalty, etc.

Main table with columns: DZM, MONT, DZM, etc. Includes station names like Mont Dzumac, Pines Island, Nonsavu, etc.

Main table with columns: PCI, PALU, MEEK, etc. Includes station names like Palu, Meekearra, Mapaga, etc.

22d 22h

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SONM, SONA1, BILL, etc.

2013 FEB

Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like NV11, GSC, GRAC, etc.

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Table with columns: Station Name, Frequency, Power, Mode, and other technical details. Includes stations like AKASG, VYH, BRG, etc.

KRNET 22 22:30:17.1±0.1, 40.34N, 76.84E, h21km, mb2.2
NVC 22 22:30:25.5±2.1, 40.58N, 76.61E, h0km, mb3.0, mpv2.6,
Error ellipse: s-maj=17.7km s-min=9.0km az=132.0
SOME 22 22:30:28.2, 40.68N, 76.82E, h5km
ISC 22 22:30:24.1±2.0, 40.56N, 0.07W, 79.79E, 0.05, h5km, 11km,
n29, c1575/43, 13C-15D, Kyrgyzstan-Xinjiang border

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Op, Phase ID, Time, Res, ISC. Includes stations like NRN, NRN, TARG, etc.







Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DPC Dobruska-Polom, BRG Bergjesshubel, KRLC Kralky, etc.

Table with columns: SRU, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like BR13 Keskin Array S, BRTR Keskin Array B, CHBT Chibet, etc.

Table with columns: ASF, Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASF 2,691 nm, 19.2s, bazi=92, slow=38, MMAI Mount Meron Ar, etc.



FRU1	baz=76	↑/S	Sn	00 11 40.2	+2.4
AAK	baz=76	↑/S	Pg	00 11 07.5	-2.2
AAK	Ala-Archa	3.86 273 P	Pg	00 10 58.7	+3.6
AAK	Ala-Archa	3.86 273 ↓/Pn	Pn	00 11 09.0	-0.7
AAK	comp=N,9.0nm,0.4s	↑/Lg	Lg	00 11 55.7	
AAK	Ala-Archa	3.86 273 PN	Pn	00 10 58.6	+3.6
AAK	Ala-Archa	3.86 273 P	Pn	00 11 11.7	
AAK	Ala-Archa	3.86 273 P	Pn	00 11 53.6	
AAK	comp=Z,9.0nm,0.4s	pmax	pmax		
AAK	Ala-Archa	3.86 273 ↑/P	Pn	00 10 57.9	+2.8
AAK	baz=73	↑/S	Sn	00 11 42.6	+2.2
AAK	Ala-Archa	3.86 273 Pn	Pn	00 10 57.3	+2.2
AAK	comp=Z,0.9nm,0.3s,baz=92,slow=8.9,SNR=9.5	Pg	Pb	00 11 04.0	+0.1
AAK	comp=Z,4.3nm,0.3s,baz=102,slow=12,SNR=24	Lg	Lg	00 11 51.8	
UCH	comp=Z,5.2nm,0.3s,baz=110,slow=24,SNR=10	↑/S	Pn	00 10 58.2	+2.6
UCH	Uchur	3.87 266 ↓/P	Pn	00 11 43.4	+2.3
UCH	baz=67	↑/S	Sn	00 11 43.4	+2.3
USP	Ospenovka	3.89 282 P	Pn	00 10 59.4	+4.0
USP	Ospenovka	3.89 282 ↓/P	Pn	00 10 58.4	+2.9
USP	baz=83	↑/S	Sn	00 11 43.5	+2.4
ARLS	Aral	4.07 262 ↑/P	Pn	00 11 00.2	+2.1
ARLS	baz=62	↑/S	Sn	00 11 47.5	+1.8
MAKZ	Makanchi	4.52 20 ↑/Pn	Pn	00 11 07.4	+3.4
MAKZ	comp=Z,5.3nm,0.3s	↑/Lg	Lg	00 12 18.1	
MAKZ	comp=Z,11nm,0.7s	↑/Lg	Lg	00 11 07.4	+3.4
MK31	Makanchi Array	4.59 23 ↑/Pn	Pn	00 11 08.7	+3.7
MK31	comp=Z,3.1nm,0.3s	↑/Pg	Pb	00 11 15.8	-0.5
MK31	comp=Z,2.1nm,0.2s	↑/Sn	Sn	00 12 02.5	+4.2
MK31	comp=Z,8.6nm,0.4s	↑/Lg	Lg	00 12 20.7	
MK31	comp=Z,14nm,0.4s	↑/Lg	Lg	00 11 08.5	+3.5
MK31	Makanchi Array	4.59 23 PN	Pn	00 12 02.2	
MK31	comp=Z,3.0nm,0.3s	pmax	pmax		
MK31	comp=N,9.0nm,0.4s	smax	smax		
MKAR	Makanchi Array	4.59 23 Pn	Pn	00 11 07.8	+2.8
MKAR	comp=N,6.5nm,0.3s,baz=212,slow=15,SNR=182	Sn	Sn	00 11 51.2	-7.0
MKAR	comp=N,3.8nm,0.3s,baz=207,slow=16,SNR=5.1	Lg	Lg	00 12 21.8	
MKAR	comp=N,9.4nm,0.3s,baz=208,slow=28,SNR=9.5	LR	LR	00 13 01.6	
MRKS	Merke	4.79 274 P	Pb	00 11 23.1	+3.4
MRKS	comp=N,12nm,0.4s	Lg	Lg	00 12 24.6	
MRKS	comp=N,41nm,0.5s	eS	Sg	00 11 23.1	+3.4
MRKS	Merke	4.79 274 eP	Pb	00 11 23.1	+3.4
MRKS	baz=75	eS	Sg	00 12 24.6	-5.1
MRKS	Merke	4.79 274 eP	Pb	00 11 23.1	+3.4
MRKS	comp=N,12nm,0.4s	eS	Sg	00 12 24.6	-5.1
MNAS	Manas	5.33 271 ↑/Pg	Pb	00 11 32.9	+3.9
MNAS	comp=N,3.6nm,0.5s	↑/Lg	Lg	00 12 42.9	
MNAS	comp=N,13nm,0.8s	Pn	Pn	00 11 32.9	+3.9
MNAS	Manas	5.33 271 PN	Pn	00 11 32.9	+3.9
MNAS	comp=Z,4.0nm,0.5s	pmax	pmax		
SFK	Sufi-Kurgan	5.34 243 ↓/Pn	Pn	00 11 15.1	-0.5
SFK	comp=Z,8.1nm,0.7s	↑/Lg	Lg	00 12 47.0	
SFK	comp=Z,19nm,0.9s	PN	Pn	00 11 15.8	+0.3
WMQ	Urumqi	5.96 75 Pn	Pn	00 11 26.3	+2.4
WMQ	Urumqi	5.96 75 Sn	Sn	00 12 34.0	+2.0
WMQ	comp=Z,71nm,0.7s	smax	smax		
WMQ	comp=Z,68nm,0.9s	smax	smax		
KK31	Karatay Array	6.79 277 ↓/Pg	Pb	00 11 59.5	+5.7
KK31	comp=Z,2.8nm,0.7s,baz=85,slow=16,SNR=6.9	↑/Lg	Lg	00 13 30.3	
OTUK	Ortayu	7.68 320 ↓/Pn	Pn	00 11 49.0	+1.5
OTUK	comp=Z,9.6nm,1.0s	↓/Lg	Lg	00 13 58.7	
OTUK	Ortayu	7.68 320 P	Pn	00 11 48.9	+1.5
OTUK	comp=Z,10.0nm,1.0s	↑/Pn	Pn	00 11 57.0	+4.1
KURBB	Kurchatov Arra	8.08 355 ↓/Pn	Pn	00 14 10.9	
KURBB	comp=Z,0.7nm,0.7s	↑/Lg	Lg	00 14 10.9	
KURBB	comp=Z,75nm,0.7s	Pn	Pn	00 11 51.5	-1.4
KURBB	comp=Z,0.0nm,0.3s,baz=226,slow=8.1,SNR=8.3	Pg	Pb	00 12 15.3	-0.3
KURBB	comp=Z,0.1nm,0.3s,baz=181,slow=16,SNR=8.5	Lg	Lg	00 14 07.7	
KURK	Kurchatov	8.17 355 ↑/Pn	Pn	00 11 56.2	+2.1
KURK	comp=Z,0.2nm,0.3s,baz=27,slow=18,SNR=4.6	↑/Lg	Lg	00 14 13.7	
KURK	comp=Z,1.2nm,0.8s	↑/Lg	Lg	00 11 51.5	-2.6
KURK	Kurchatov	8.17 355 P	Pn	00 12 07.6	+3.3
DGZ	Jazzator, Alta	8.90 34 ↓/P	Pn	00 12 44.0	-0.7
ZALV	Zalesovo Beam	11.86 15 Pn	Pn	00 14 54.5	-2.3
ZALV	comp=Z,0.4nm,0.3s,baz=199,slow=14,SNR=6.9	Sn	Sn	00 14 54.5	-2.3
ZALV	comp=Z,0.2nm,0.3s,baz=208,slow=26,SNR=4.3	Sn	Sn	00 12 46.9	-2.0
BVAR	Borovyoye Array	12.17 332 Pn	Pn	00 16 15.4	
BVAR	baz=151,slow=16,SNR=2.9	Lg	Lg	00 12 52.0	+2.2
BRVK	Borovyoye	12.24 332 ↓/P	Pn	00 13 21.6	-0.6
KNGR	Kungurtay, Tuv	14.60 51 ↓/P	Pn	00 14 16.7	+4.0
TLY	Yulata	18.57 52 ↓/P	Pn	00 14 19.7	-1.7
TLY	comp=Z,4.0nm,1.4s	pmax	pmax		
ARU	Arti	19.40 323 ↓/P	P	00 17 55.5	-4.4
ARU	Arti	19.40 323 S	Sn	00 14 25.1	+1.5
ARU	comp=Z,5.0nm,1.1s	pmax	pmax	00 14 28.0	+0.7
SOMM	Songino Array	19.46 65 eP	Pn	00 14 25.1	+1.5
ULN	Ulanbaatar	19.91 65 ↓/P	Pn	00 14 28.0	+0.7
ULN	comp=Z,2.0nm,1.0s	pmax	pmax		
BRDH	Bariadhala	22.20 150 LR	LR	00 26 08.1	
BRDH	comp=Z,2.26nm,19.7s,baz=232,slow=44	LR	LR	00 15 05.3	-0.8
MAK	Makhachkala	23.59 282 eP	Pn	00 19 19.4	-0.5
MAK	MAK	eS	S	00 19 58.1	+1.6
MAK	MAK	eS	S	00 19 58.1	+1.6
MAK	MAK	eS	S	00 19 58.1	+1.6
MAK	MAK	eS	S	00 19 58.1	+1.6
MAK	MAK	eS	S	00 19 58.1	+1.6
GNI	Garni	26.25 277 ↓/P	P	00 15 31.3	+0.4
SOC	Sochi	29.04 286 eP	P	00 16 46.1	-0.1
SOC	Sochi	eS	SS	00 22 06.5	-4.3
SOC	Sochi	eS	SS	00 16 43.3	-0.4
BRTR	Reskin Array B	34.49 281 P	P	00 16 59.6	-2.7
BRTR	comp=Z,0.6nm,0.7s,baz=91,slow=7.2,SNR=3.6	P	P	00 18 01.4	-0.4
FINES	FINES Array B	36.71 320 P	P	00 18 02.1	+0.3
FINES	comp=Z,2.4nm,1.0s,baz=98,slow=10.0,SNR=2.5	P	P	00 18 01.4	-0.4
NB2	NORSAR Subarray	43.89 319 P	P	00 18 02.1	+0.3
NB2	comp=Z,0.3nm,0.6s,baz=83,slow=7.5	P	P	00 18 01.0	-0.9
NOA	NORSAR Array B	43.89 319 eP	P	00 18 02.1	+0.3
NOA	NORSAR Array B	43.89 319 P	P	00 18 01.0	-0.9
NOA	comp=Z,0.3nm,0.6s,baz=84,slow=8.0,SNR=3.8	P	P	00 18 01.0	-0.9

TORD	Torodi Ar. Bea	72.44 272 P	P	00 21 20.2	-2.0	
YKA	Yellowknife Ar	74.64 7 P	P	00 21 34.9	+0.5	
YKA	comp=Z,0.3nm,0.6s,baz=345,slow=5.9,SNR=8.2	P	P			
<p>           IDC 23 00:24:01.4:2.9,13725:70:83W,h0km,mb3.5/2,            mb1 3.6/3,mb1mx3.4/3,mbtmp3.4/3,ML2.6/1,MS2.7/2,            Ms1 2.8/2,ms1mx2.5/23,Error ellipse: s-maj=129.5km            s-min=36.7km az=47.0,Central Peru         </p>						
Code	Station Name	Δ° AZZ°	Phase ID	Time Res	ISC	
LPAZ	La Paz	3.65 135	Op Pn	00 24 59.9	+0.2	
LPAZ	0.4nm,0.3s,baz=304,slow=14,SNR=6.1	LR	LR	00 26 41.6		
NNA	Nana	6.11 286	LR	00 28 01.4		
NNA	comp=Z,1.09nm,19.7s,baz=94,slow=39	LR	LR	00 35 54.4	-0.3	
TORD	Torodi Ar. Bea	76.65 73 P	P	00 35 54.4	-0.3	
TORD	0.5nm,1.0s,baz=269,slow=4.2,SNR=2.4	P	P	00 36 29.4	-0.2	
YKA	Yellowknife Ar	83.28 341 P	P	00 36 29.4	-0.2	
YKA	0.2nm,0.6s,baz=143,slow=4.8,SNR=4.7	P	P	00 43 42.8	+0.3	
SOMM	Songino Array	145.91 3	PKPbc PKPdf	00 43 42.8	+0.3	
SOMM	0.4nm,0.6s,baz=333,slow=0.3,SNR=4.2					
<p>           SOME 23 00:25:34.4,42°58'N:79°62'E,h15km            NNC 23 00:25:35.0:0.9,42°63'N:79°62'E,h0km,mb2.8,mpv2.5,            Error ellipse: s-maj=5.6km s-min=2.8km az=134.0            KRNET 23 00:25:35.0:1.4,42°63'N:79°52'E,h17km,mb2.3            ISC 23 00:25:34.5:1.7,42°50'N:0°05:79.81E,0°05:h15km,13km,            n52,-r105/93,15C-4D,Lake Issyk-Kul region         </p>						
Code	Station Name	Δ° AZZ°	Phase ID	Time Res	ISC	
SHLS	Shalkode	0.57 349 P	Pb	00 25 46.3	+0.1	
SHLS	5.2nm,0.1s	S	Sb	00 25 55.3	+1.1	
SHLS	63nm,0.2s	eP	Pb	00 25 46.4	+0.1	
SHLS	Shalkode	0.57 349 eP	Pb	00 25 55.3	+1.1	
SHLS	baz=22	eS	Sb	00 25 55.3	+1.1	
SHLS	Shalkode	0.57 349 eP	Pb	00 25 46.4	+0.1	
SHLS	3.0nm,0.1s	eS	Sb	00 25 55.3	+1.1	
SHLS	63nm,0.2s	eS	Sb	00 25 48.2	0.0	
UZB	Uzbybulak	0.70 322 P	Pg	00 25 58.3	+0.3	
UZB	1.5nm,0.1s	S	Sb	00 25 58.3	+0.3	
UZB	10.0nm,0.2s	S	Sb	00 25 48.2	0.0	
UZB	Uzbybulak	0.70 322 eP	Pg	00 25 58.3	+0.3	
UZB	baz=21	eS	Sb	00 25 48.2	0.0	
UZB	Uzbybulak	0.70 322 eP	Pg	00 25 58.3	+0.3	
UZB	1.5nm,0.1s	eS	Sb	00 25 58.3	+0.3	
UZB	10.0nm,0.2s	eS	Sb	00 25 48.6	-0.3	
PDGK	Podgornoye	0.74 353 P	Pg	00 25 59.0	0.0	
PDGK	0.2nm,0.2s	S	Sb	00 25 58.6	-0.4	
PDGK	1.7nm,0.2s	↓/P	Pg	00 25 48.2	-0.6	
PDGK	Podgornoye	0.8nm,0.4s	↓/P	Pg	00 25 58.6	-0.4
PDGK	2.2nm,0.6s	↑/P	Pg	00 25 48.5	-0.3	
PDGK	Podgornoye	baz=54	↑/S	00 25 58.9	-0.1	
PRZ	Przheval'sk	0.90 263 ↑/P	Pb	00 25 52.5	+0.6	
PRZ	baz=61	↑/S	Pb	00 26 05.2	+1.4	
SATY	Saty	1.00 298 P	Pg	00 25 53.5	0.0	
SATY	1.1nm,0.1s	S	Sg	00 26 07.4	+0.5	
SATY	11nm,0.1s	S	Sg	00 25 53.5	0.0	
SATY	Saty	1.00 298 eP	Pb	00 26 07.4	+0.5	
SATY	1.1nm,0.1s	eS	Sg	00 26 00.3	+0.3	
SATY	11nm,0.1s	eS	Sg	00 26 19.3	+0.3	
KURS	Kuram	1.38 311 P	Pb	00 26 00.3	+0.3	
KURS	1.4nm,0.4s	S	Sg	00 26 00.3	+0.3	
KURS	1.7nm,0.4s	eP	Pb	00 26 00.3	+0.3	
KURS	Kuram	1.38 311 eP	Pb	00 26 19.3	+0.3	
KURS	baz=10.0	eS	Sg	00 26 00.3	+0.3	
KURS	1.8nm,0.5s	eS	Sg	00 26 19.3	+0.3	
KURS	2.2nm,0.5s	eS	Sg	00 26 06.8	+0.7	
DJR	Jarkent	1.74 4 P	Pb	00 26 30.3	-0.2	
DJR	0.4nm,0.3s	S	Sg	00 26 06.9	+0.7	
DJR	1.3nm,0.2s	eP	Pb	00 26 30.3	-0.2	
DJR	Jarkent	1.74 4 eP	Pb	00 26 06.9	+0.7	
DJR	0.3nm,0.1s	eS	Pb	00 26 30.3	-0.2	
KDJ	Kajisay	1.86 256 ↑/P	Pb	00 26 09.4	+1.2	
KDJ	1.2nm,0.2s	↑/S	Sg	00 26 35.1	+0.7	
KDJ	baz=55	↑/S	Sg	00 26 10.8	+1.2	
KOTS	Kotrybulak	1.94 290 P	Pg	00 26 37.0	0.0	
KOTS	1.8nm,0.3s	Lg	Lg	00 26 10.8	+1.2	
KOTS	13nm,0.3s	eP	Pb	00 26 37.0	0.0	
KOTS	Kotrybulak	1.94 290 eP	Pb	00 26 37.0	0.0	
KOTS	baz=89	eS	Sg	00 26 37.0	0.0	
KOTS	Kotrybulak	1.94 290 eP	Pb	00 26 37.0	0.0	
KOTS	1.8nm,0.3s	eS	Sg	00 26 37.0	0.0	
KOTS	13nm,0.3s	eS	Sg	00 26 37.0	0.0	
MDOK	Medeo	1.97 288 Pn	Pb	00 26 10.9	+0.9	
MDOK	1.6nm,0.5s	↑/Sn	Sg	00 26 37.3		
MDOK	1.7nm,0.5s	eS	Sg	00 26 10.9	+0.9	
MDOK	Medeo	1.97 288 Pn	Pb	00 26 37.3		
MDOK	1.5nm,0.3s	Lg	Lg	00 26 10.9	+0.9	
MDOK	2.7nm,0.4s	eS	Sg	00 26 10.9	+0.9	
MDOK	Medeo	1.97 288 eP	Pb	00 26 37.3		
MDOK	baz=87	eS	Sg	00 26 10.9	+0.9	
MDOK	2.7nm,0.4s	eP	Pb	00 26 10.9	+0.9	
MDOK	baz=87					











23d 5h

Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like KSRS, H4SRU, USRSK, and USRKR.

JMA 23 04:58:51.8-0.1, 27.58N x 140.79E, h182km, M3.9, Bonin Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like CBIJ, JHHJ, BSO3, JAG, and JHO.

IDC 23 05:10:51.5-1.0, 7.31N, 127.16E, h0km, mb3.6/6, mb1 3.8/6, mb1mx3.5/42, mbtmp3.6/6, Error ellipse: s-maj=25.0km s-min=20.2km az=66.0

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MATI, DAV, DMPH, DDMF, KCP, MUSAN, BUTP, FITZ, WRA, ASAR, MKAR, KURBB, ILAR.

MEX 23 05:22:54.8-0.4, 15.42N-95.86W, h31km, 4km, MD3.7, Near coast of Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like HUIG, CMIG, and CMIG.

SVSA 23 05:23:15.6-1.1, 36.93N-24.08W, h10km, MD3.5, ML2.9, 1C, Error ellipse: s-maj=8.1km s-min=6.0km az=79.0, Azores Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like PSMN, PSMA, BART, PCALD, CMLA, GRON, PDA, PSET, PSCM, ADH.

MEX 23 05:25:13.6-0.5, 16.08N-96.25W, h52km, 8km, MD3.9, Oaxaca

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like HUIG, VHO, CMIG, and CMIG.

IDC 23 05:26:33.0-1.1, 1.76N, 122.45E, h0km, mb3.8/5, mb1 4.0/5, mb1mx3.6/37, mbtmp3.8/5, MS2.8/1, Ms1 3.0/1, ms1mx2.5/42, Error ellipse: s-maj=157.9km s-min=20.5km az=65.0

ISCJB 23 05:26:35.7-0.9, 1.54N, 121.49E, h0km, h33km, mb3.8/5, MS2.7/1, Error ellipse: s-maj=12.1km s-min=9.9km az=152.2

DJA 23 05:26:36.4-0.8, 1.7N, 121.1E, h10km, M4.1/7, mb4.3/1, MLV4.0/7

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like MRSI, MFSI, AFSI, LUWI, TTSI, KDI, SPFI, BNSI, WRA.

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Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like ASAR, CMAR, STKA, SONMI, MKAR.

IDC 23 05:30:40.5-1.5, 15.7N, 127.01E, h0km, mb3.2/3, mb1 3.5/4, mb1mx3.3/34, mbtmp3.3/4, ML3.7/1, Error ellipse: s-maj=69.3km s-min=23.5km az=60.0, Halmahera

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like SIJI, WARA, ASAR, MKAR.

SOME 23 05:39:35.1, 40.20N-76.83E, h5km, KRNET 23 05:39:36.7-0.1, 40.25N-76.69E, mb2.8, NNC 23 05:39:36.1-1.3, 40.22N-76.78E, h0km, mb3.3, mpv3.0, Error ellipse: s-maj=15.4km s-min=5.0km az=139.0

ISC 23 05:39:38.1-1.6, 40.30N-0.07-76.75E, h0km, n55, c1548/80, 19C-11D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like NRN, KDJ, ULHL, KZA, BOOM, ARLS, SFK, UCH, KBK, IZV, TNSS, TKM2, TKM3, KST, MTBS, MDOK, AAK, AAM, AML, KOTS, IZV, SATY.

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Table with columns: Station Name, Azimuth, Elevation, SNR, and other parameters. Includes stations like SATY, DGS, DGS, DGS, DGS, EKS2, EKS2, UZB, UZB, UZB, UZB, KURS, KURS, KURS, KTBS, KTBS, KTBS, SGDS, SGDS, CHKK, CHKK, CHKK, MRKS, MRKS, MRKS, KUU, KUU, KUU, PDGK, PDGK, PDGK, MNAS, MNAS, MNAS, MNAS, MNAS.

IDC 23 05:50:27.6-8.2, 10.97S-114.01E, h75km, 73km, mb3.2/4, mb1 3.4/5, mb1mx3.2/47, mbtmp3.6/5, ML3.0/1, Error ellipse: s-maj=103.2km s-min=29.8km az=51.0, South of Bali

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like FITZ, WRA, ASAR, SONMI, MKAR, YKA.

KRNET 23 05:53:23.3-0.1, 40.16N-78.24E, mb2.0, SOME 23 05:53:24.9, 40.17N-78.32E, h20km, NNC 23 05:53:24.2-2.3, 40.22N-78.34E, h0km, mb3.2, mpv2.9, Error ellipse: s-maj=15.4km s-min=13.3km az=171.0

ISC 23 05:53:26.2-2.4, 40.30N-0.1-78.25E, h0km, n32, c1564/48, 10C-6D, Southern Xinjiang

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res. Includes stations like TARG, TARG, KDJ, KDJ, NRN, NRN, NRN, SATY, SATY, SATY, BOOM, BOOM, KZA, KZA, UZB, UZB, UZB, UZB, TNSN, TNSN, TNSN, TNSN, IZV, IZV, IZV, IZV, IZV, MDOK, MDOK, MDOK.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like MDOK, KOTS, PDGK, KST, etc.

JMA 23 05:55.05:8.0.1,37.29N x 141.75E, h40km, 3km, M3.5,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like JFK, ONAJ, JMM, etc.

ISCJ 23 06:08:38.5,38.28N:42.51E, h5km, ML2.3/7

ISCJ 23 06:08:39.4,0.6,38.30N:0.04:42.50E:0.05, h8km, Error ellipse: s-maj=6.1km s-min=5.5km az=174.9

DDA 23 06:08:39.3,38.31N:42.51E, h7km, 1km, ML2.5

ISC 23 06:08:39.1,1.0,38.30N:0.04:42.50E:0.04, h8km, n12, az=27/14, Turkey

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like AKDM, GEVA, GURO, etc.

ISCJ 23 06:20:43.7,0.3,6:58S:0.03x10.0:02E:0.05, h150km,

mb4.1/27, Error ellipse: s-maj=6.9km s-min=3.9km az=176.9

NEIC 23 06:20:46.3,0.6,6:22S:129.97E, h160km, 7km, mb4.3/17,

Error ellipse: s-maj=8.8km s-min=5.8km az=80.0

ISC 23 06:20:46.2,2.1,6:54S:129.97E, h150km, 1km, mb3.9/12,

mb1.4/0.15, mb1mx3.7/3.7, mbtmp4.4/15, Error ellipse: s-maj=22.5km s-min=13.6km az=84.0

DJA 23 06:20:47.5,0.3,7:5.3x13.0E, h176km, 11km, M4.7/9,

mb4.9/7, mb5.0/7, MLV4.9/9, Mw(MB)4.3/7

ISC 23 06:20:45.5,0.4,6:59S:0.04:129.96E:0.06, h150km, n76,

az=177/81, mb4.1/27, Banda Sea

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like SAUI, SAUI, SAUI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like MTN, MTN, SOEI, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like BATI, BAKI, BASI, etc.

NEIC Recorded 1 JMA in Myagay

ISC 23 06:24:48.4,2.0,37.84N:0.04:142.11E:0.07, h23km, 13km,

mb3.1/18/5/4, mb4.1/13, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like JIKH, JIKH, JIO, etc.

NIED 23 06:24:00.37:80N:142.10E, h35km, Mw3.7 Best double

couple: M4.56000x1014 NP1:az=222.00000, 319.00000, 7-10.00000, NP2:az=11.00000, 87.40000, 7-10.00000

ISC 23 06:24:42.1,5.3,37:92N:142.162E, h0km, mb3.8/7,

mb1.3/9/8, mb1mx3.6/3.3, mbtmp3.7/8, ML2.6/1, MS3.5/1,

M3.1 3.5/1, ms1mx2.4/4.5, Error ellipse: s-maj=38.4km

s-min=22.6km az=73.0

ISCJ 23 06:24:48.8,0.9,37:84N:0.04:142.15E:0.07, h43km, 7km,

mb4.1/13, MS3.4/1, Error ellipse: s-maj=9.4km

s-min=5.6km az=18.0

JMA 23 06:24:48.8,0.1,37:81N:142.07E, h35km, 2km, M4.0

Felt J1

NEIC 23 06:24:49.5,0.6,37:82N:142.32E, h35km, mb4.3/5, Error

ellipse: s-maj=11.4km s-min=10.6km az=132.0

NEIC Recorded 1 JMA in Myagay

ISC 23 06:24:48.4,2.0,37.84N:0.04:142.11E:0.07, h23km, 13km,

mb3.1/18/5/4, mb4.1/13, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like JIKH, JIKH, JIO, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like JYK, JYK, JOM, etc.

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like JYA, MJAR, MAJO, etc.

ISC 23 06:57:51.6:0.6,29:49S x 176:20W, h0km, mb4.5/12,

mb1.4/7/14, mb1mx4.6/28, mbtmp4.5/14, ML4.0/2, MS4.0/10,

ML1.4/0.10, ms1mx3.6/3.3, Error ellipse: s-maj=27.1km

s-min=18.4km az=150.0

BJI 23 06:57:53.9,28:83S:175:83W, h9km, mb5.4/1, mb5.1/15,

MS5.2/1

ISCJ 23 06:57:54.3,0.2,29:47S:0.05:176:38W:0.05, h21km,

mb4.9/76, MS4.0/9, Error ellipse: s-maj=8.2km

s-min=4.5km az=135.8

MOS 23 06:57:58.9,0.9,29:23S x 176:38W, h53km, mb4.9/25,

Error ellipse: s-maj=12.0km s-min=10.5km az=142.2

NEIC 23 06:58:00.2,0.8,29:31S x 176:38W, h56km, 7km, mb4.8/7/1,

Error ellipse: s-maj=8.1km s-min=5.3km az=140.0,

ISC 23 06:57:55.5,0.3,29:45S:0.06:176:24W:0.05, h21km,

comp=2.9/189/226, mb4.9/76, MS4.0/9, 9C-23, Kermedec

Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Residual. Includes stations like RAO, MXZ, OUZ, etc.

23d 7h

Table of astronomical observations for 23d 7h, listing object names (e.g., PPT2, PPT, MCQ), coordinates, magnitudes, and other parameters.

2013 FEB

Table of astronomical observations for 2013 FEB, listing object names (e.g., WUAZ, CCUT, KNB), coordinates, magnitudes, and other parameters.

1690

Table of astronomical observations for 1690, listing object names (e.g., VSU, NC303, NB20), coordinates, magnitudes, and other parameters.

Table titled 'JMA 23 07:00:07.01, 37.81N, 142.04E, h37km, 2km, M3.6, Off east coast of Honshu' with columns for Code, Station Name, Az, Phase ID, Op, ISC, Time, Res.

ISCJB 23 07:03:12.2±0.5, 49.85N±0.03, 78.60E±0.06, h0km, Error ellipse: s-maj=5.7km s-min=3.8km az=159.6

NIC 23 07:03:16.2±0.6, 50.02N±0.07, 69.9E, h0km, mb3.6, mpv3.2, Error ellipse: s-maj=4.9km s-min=2.9km az=76.0

ISC 23 07:03:17.5±0.7, 50.06N±0.07, 71.7E, h0km, mb1.3/3.4, mb1mx3.1/4.7, mbtmp3.3/4, ML3.0/4, Error ellipse: s-maj=11.7km s-min=5.7km az=65

ISC 23 07:03:16.7±0.3, 49.99N±0.03, 78.70E±0.04, h0km, m25, s136/28, 17C-8D, Eastern Kazakhstan

Table with columns for Code, Station Name, Az, Phase ID, Op, ISC, Time, Res, listing various observation codes and station names.

1691	MNBS	12nm,0.5s	Lg	Lg	07 06 23.3
BVA0	Borovoye Array	6.01 304	↑P	Pb	07 05 02.3 -0.1
BVA0	1.0nm,0.5s,baz=116,slow=15,SNR=3.8				
BVA0	2.2nm,0.4s,baz=114,slow=23,SNR=7.8				
BVA0	2.7nm,0.6s,baz=114,slow=23,SNR=7.8				
BVAR	Borovoye Array	6.01 304	↑P	Pb	07 04 48.0 +1.1
BVAR	1.0nm,0.5s,baz=123,slow=10,SNR=1.1				
BVAR	0.6nm,0.3s,baz=114,slow=15,SNR=3.3				
BVAR	1.4nm,0.3s,baz=109,slow=23,SNR=7.8				
BVAR	0.6nm,0.3s,baz=118,slow=27,SNR=2.1				
BRVK	Borovoye	6.09 304	↑P	Pb	07 05 02.9 -0.7
BRVK	1.6nm,0.7s				
BRVK	3.3nm,0.7s				
BRVK	2.6nm,0.4s				
PDGK	Podgomoye	6.68 175	↑L	Lg	07 06 48.2
PDGK	5.3nm,0.7s				
MDOK	Medeo	6.92 190	↑L	Lg	07 06 55.6
MDOK	4.1nm,0.6s				
TKM2	Tokmak 2	7.38 198	↑L	Lg	07 07 10.5
TKM2	3.9nm,0.8s				
AAK	Ala-Archa	7.90 203	↑L	Lg	07 07 28.9
AAK	3.3nm,0.7s				
AAK	Ala-Archa	7.90 203	↑P	Pn	07 05 13.6 +0.6
AAK	0.6nm,0.3s,baz=350,slow=9,SNR=5.8				
AAK	0.2nm,0.3s,baz=230,slow=20,SNR=3.8				
AAK	0.1nm,0.3s,baz=189,slow=19,SNR=5.8				
MNAS	Manas	8.64 212	↑L	Lg	07 07 50.6
MNAS	1.6nm,0.7s				
KK31	Karatay Array	8.80 222	↑L	Lg	07 08 02.1
KK31	1.2nm,0.5s,baz=24,slow=28,SNR=4.1				

IDC 23 07 05:02.65-1.7, 14.42N-91.34W, h0km, mb3.6/3, mb1 4.0/3, mb1mx3.6/25, mbtmp3.6/3, Error ellipse: s-maj=155.4km s-min=102.2km az=33.0  
 ISCJB 23 07 05:06.4-1.2, 14.04N-90.92E, h0W,0.1, h46km, mb3.6/3, Error ellipse: s-maj=15.3km s-min=9.6km az=160.8  
 NEIC 23 07 05:07.9-0.0, 14.38N-92.22W, h107km, MD4.1 (MEX), After MEX.  
 MEX 23 07 05:07.9-0.0, 14.37N-92.22W, h107km, MD4.1  
 ISC 23 07 05:10.0-1.2, 14.22N-91.92E, h0W,0.10, h46km, n13, r=159/13, mb3.5/3, Near coast of Chiapas

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				Op	h m s	ISC
THIG		0.80	23	ePn	07 05 22.9	-2.0
THIG				eSn	07 05 35.8	0.0
THIG		0.80	23	iS	07 05 23.9	-2.0
THIG				iSn	07 05 35.8	0.0
PCIG		1.65	338	ePn	07 05 55.8	-0.7
PCIG				eSn	07 05 55.8	-0.7
PCIG		1.65	338	ePn	07 05 35.0	-1.5
PCIG				iS	07 05 55.8	-0.7
CCIG	Comitan	2.15	12	ePn	07 05 44.9	+1.4
CCIG				eSn	07 06 09.4	+0.3
CCIG	Comitan	2.15	12	ePn	07 05 45.1	+1.5
CCIG				eSn	07 06 09.4	+0.3
ESTN	Estel	6.14	99	ePn	07 06 30.5	-7.8
TEIG	Tepech	7.30	34	ePn	07 06 53.1	-1.0
JTS	JuntasAbangare	8.40	116	ePn	07 07 01.8	-7.5
HDC	Heredia	9.27	116	ePn	07 07 19.2	-2.0
NVAR	Mina Array Bas	33.9	321	P	07 11 46.3	+3.7
YKA	Yellowknife Arr	50.74	347	P	07 14 04.1	-0.8
YKA	0.9nm,0.7s,baz=149,slow=7.5,SNR=1.6					
ILAR	Eielson Array	62.46	337	P	07 15 21.1	-0.4
ILAR	0.3nm,0.7s,baz=139,slow=6.0,SNR=4.4					

NNC 23 07 05:15.5-1.7, 41.78N-78.62E, h0km, mb3.1, mpv2.8, Error ellipse: s-maj=11.5km s-min=8.3km az=168.0, Suspected Mining explosion.  
 KRNET 23 07 05:17.3-0.1, 41.70N-78.33E, h26km, mb2.1  
 ISC 23 07 05:18.1-1.7, 41.68N-78.54E, h0W,0.06, h0km, n22, r=118/32, 16C-4D, Kyrgyzstan-Xinjiang border region

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				Op	h m s	ISC
TARG	Taragay, Kyrgy	55.276	↑P	Pg	07 08 25.6	+0.9
TARG	baz=75					
PRZ	Przheval'sk	0.81 353	↑eP	Pb	07 08 32.3	+1.0
PRZ	baz=5.0					
PRZ	baz=5.0					
KDJ	Kajisy	1.11 294	↑eP	Pg	07 08 35.3	-0.1
KDJ	baz=97					
SATY	Saty	1.38 356	↑P	Pg	07 08 39.3	-1.4
SATY	2.0nm,0.3s					
SATY	3.1nm,0.3s					
ULHL	Ulahol	1.81 289	↑P	Pn	07 08 47.5	+0.8
ULHL	baz=90					
ULHL	baz=90					
MDOK	Medeo	1.85 324	↑Pn	Pn	07 09 09.1	-1.3
MDOK	1.7nm,0.7s					
MDOK	3.2nm,0.6s					
MDOK	Medeo	1.85 324	↑P	Pg	07 08 49.2	+1.9
MDOK	1.6nm,0.2s					
MDOK	3.1nm,0.5s					
KOTS	Kotrubalok	1.88 326	↑P	Pn	07 08 49.1	+1.4
KOTS	2.9nm,0.5s					
KOTS	6.8nm,0.5s					
NRN	Naryn	1.92 264	↑P	Pn	07 08 48.9	+0.5
NRN	baz=62					
NRN	baz=62					
IZV	Izvestikoviy	1.97 314	↑P	Pg	07 08 52.1	+1.2
IZV	2.5nm,0.2s					
IZV	3.8nm,0.3s					
BOOM	Boomskoye usch	2.10 294	↑P	Pn	07 08 51.7	+1.0
BOOM	baz=95					
BOOM	baz=95					
KTMS	Ketmen	2.22 37	↑P	Pg	07 08 53.8	+1.4
KTMS	0.5nm,0.2s					
KTMS	1.2nm,0.2s					
KST	Kastek	2.35 306	↑P	Pb	07 08 58.2	+0.8
KST	4.6nm,0.3s					
KST	10.0m,0.9s					
MNBS	Baschi	2.40 358	↑P	Pg	07 09 00.5	+0.3
MNBS	4.8nm,0.5s					
MNBS	10.0m,0.5s					
KTBS	Karatobe	2.45 327	↑P	Pb	07 09 01.1	+1.0
KTBS	1.7m,1.2s					
CHKK	Chushkaly	2.46 333	↑P	Pg	07 09 01.1	+0.9
CHKK	11nm,0.3s					
CHKK	14nm,0.4s					
KZA	Kyzart	2.49 280	↑P	Pn	07 08 57.2	+0.9
KZA	baz=80					
KZA	baz=80					
TKM2	Tokmak 2	2.51 301	↑P	Pg	07 08 59.9	-0.3
TKM2	1.9nm,0.5s					
TKM2	5.1nm,0.6s					
ARXS	Arharly	2.59 349	↑P	Pg	07 09 01.5	0.0
ARXS	6.8nm,0.4s					
ARXS	9.0nm,0.8s					
KUU	Kurty	2.74 325	↑P	Pb	07 09 04.6	+0.5
KUU	5.2nm,0.7s					

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KUU	12nm,0.9s	Lg	Lg	07 09 39.4	
DJR	Jarkent	2.81 19	↑P	Pb	07 09 04.6 -0.6
DJR	0.3nm,0.2s				
DJR	4.5nm,0.7s				
AAK	Ala-Archa	3.16 289	↑P	Pb	07 09 10.4 -0.8
AAK	1.6nm,0.8s				
AAK	6.9nm,1.0s				

IDC 23 07 11:28.0-1.0, 3.75N-126.04E, h0km, mb3.6/6, mb1 3.8/6, mb1mx3.6/44, mbtmp3.6/6, MS3.6/1, Ms1 3.6/1, ms1mx2.6/39, Error ellipse: s-maj=95.3km s-min=18.1km az=72.0  
 ISC 23 07 11:39.4-0.9, 3.6N-125.7E, h0W,0.4, h100km, n9, r=153/10, mb3.6/6, 1D, Talaud Islands  
 Code Station Name Δ° AZ° Phase ID ISC Time Res  
 SKMP Bagumbayan, Su 3.11 337 ePn 07 12 25.9 -0.8  
 SKMP SKMP 07 13 01.8 -1.3  
 KCP Kadapawan 3.42 349 ePn 07 12 30.1 -0.7  
 KCP KCP 07 13 13.2 +2.6  
 TGY Tagaytay City 11.44 336 LR comp=2.314nm,20.8s,baz=223,slow=39 07 16 53.1 -0.1  
 WRA Warrunganga Arr 24.90 160 P 0.9nm,0.5s,baz=342,slow=11,SNR=11 07 17 23.0 -0.5  
 ASAR Ala Springs 28.27 164 P 0.3nm,0.4s,baz=340,slow=7.1,SNR=6.7  
 KSRS Korea Array 33.72 3 P 1.0nm,0.5s,baz=180,slow=9.2,SNR=5.3 07 18 09.2 -1.9  
 STKA Stephens Creek 38.40 158 P 0.9nm,0.4s,baz=346,slow=12,SNR=3.7 07 18 51.7 +0.6  
 SONM Songoing Array 47.09 342 P 0.2nm,0.5s,baz=154,slow=8.5,SNR=3.0 07 20 02.6 +1.3  
 MKAR Makanchi Array 57.08 326 P 0.4nm,0.5s,baz=124,slow=7.4,SNR=8.4

IDC 23 07 19:58.9-3.2, 14.57S-172.30E, h588km, mb3.5/7, mb1 3.6/8, mb1mx3.1/34, mbtmp4.4/8, Error ellipse: s-maj=54.0km s-min=31.9km az=138.0  
 ISC 23 07 19:59.5-1.8, 14.7S-172.3E, h0W,0.3, h600km, n9, r=150/11, mb4.3/7, Vanuatu Islands region  
 Code Station Name Δ° AZ° Phase ID ISC Time Res  
 DZM Mont Dzumac 9.29 217 P 0.5nm,0.3s,baz=92,slow=17,SNR=1.7 07 22 11.7 +0.4  
 CTA Charters Tower 25.52 254 P 4.0nm,0.6s,baz=81,slow=12,SNR=8.6 07 24 42.0 -0.5  
 STKA Stephens Creek 32.93 233 P 9.8nm,0.4s,baz=61,slow=8.7,SNR=31 07 25 46.0 0.0  
 WRA Warrunganga Arr 36.67 256 P 4.0nm,0.5s,baz=81,slow=6.0,SNR=86 07 26 15.8 -1.5  
 ASAR Ala Springs 37.36 259 P 1.3nm,0.4s,baz=76,slow=9.3,SNR=20 07 26 21.9 -1.1  
 ASAR 0.7nm,0.7s,baz=104,slow=4.0,SNR=5.2 07 28 25.5 -0.1  
 ASAR 0.4nm,0.8s,baz=98,slow=4.8,SNR=4.5 07 31 17.2 +0.6  
 FITZ Fitzroy Crossi 44.91 259 P 4.5nm,0.3s,baz=100,slow=8.2,SNR=28 07 31 22.4 -0.1  
 CMAR Chiang Mai Arr 79.50 292 P 3.1nm,0.3s,baz=131,slow=3.7,SNR=2.2 07 31 07.2 +1.7  
 ILAR Eielson Array 85.00 16 P 0.3nm,0.8s,baz=233,slow=4.2,SNR=1.8 07 31 31.3 -0.9  
 TORD Torod, Ar. Beza 170.86 262 PKPab 0.1nm,0.4s,baz=93,slow=4.1,SNR=4.4

IDC 23 07 26:37.4-5.8, 19.70S-176.27W, h0km, mb4.2/2, mb1 4.4/2, mb1mx3.7/6, mbtmp4.2/2, Error ellipse: s-maj=291.7km s-min=60.6km az=149.0, Fiji Islands region  
 Code Station Name Δ° AZ° Phase ID ISC Time Res  
 ASAR Ala Springs 46.29 256 P 2.5nm,0.5s,baz=98,slow=7.9,SNR=3.2 07 35 05.0 -0.2  
 WRA Warrunganga Arr 46.33 261 P 1.1nm,0.5s,baz=97,slow=7.4,SNR=13 07 35 05.5 -0.1  
 AKASO Makin Array B 143.07 333 PKP 0.5nm,0.5s,baz=43,slow=1.9,SNR=5.5 07 46 13.3 +0.1  
 BRTR Reskein Array B 147.48 314 PKPbc PKPbc 0.2nm,0.4s,baz=90,slow=1.4,SNR=1.6 07 46 22.8 -1.0

IDC 23 07 30:23.3-3.0, 8.28S-123.85E, h180km, mb3.2/1, mb1 3.2/4, mb1mx2.9/44, mbtmp3.6/4, Error ellipse: s-maj=32.8km s-min=14.7km az=59.0, Flores region  
 Code Station Name Δ° AZ° Phase ID ISC Time Res  
 BATI Baumata 1.92 185 P 46nm,0.3s,baz=16,slow=4.1,SNR=14 07 30 59.7 +0.2  
 BATI 26nm,0.3s,baz=251,slow=23,SNR=9.2 07 31 27.9 +0.2  
 FITZ Fitzroy Crossi 9.91 170 P 0.3nm,0.3s,baz=35,slow=10,SNR=7.8 07 32 40.6 -1.1  
 FITZ 1.4nm,0.3s,baz=116,slow=18,SNR=10 07 34 25.7 -6.3  
 WRA Warrunganga Arr 15.41 140 P 0.3nm,0.3s,baz=316,slow=13,SNR=16 07 33 52.6 +0.4  
 WRA 0.2nm,0.3s,baz=318,slow=26,SNR=3.0 07 36 32.0 -1.2  
 ASAR Ala Springs 18.08 149 P 0.1nm,0.3s,baz=329,slow=12,SNR=11 07 37 39.4 0.0  
 ASAR 0.1nm,0.3s,baz=327,slow=24,SNR=2.5 07 40 51.1 -0.1  
 MKAR Makanchi Array 66.12 330 P 0.4nm,0.4s,baz=128,slow=7.1,SNR=14

GUC 23 07 38:41.9-0.7, 27.98S-69.43W, h120km, mb3.6/6, ML3.6  
 ISCJB 23 07 38:42.6-0.9, 27.97S-0.03-69.37W, 0.06, h119km, 13km, Error ellipse: s-maj=8.5km s-min=5.7km az=175.2  
 SJA 23 07 38:42.9-0.8, 27.95S-69.33W, h100km, 22km, ML3.0, MW3.3

Code	Station Name	Δ° AZ°	Phase ID	ISC	Time	Res
				Op	h m s	ISC
GO03	Copiap	0.84 295	ePn	Pn	07 39 03.0	-0.4
GO03				eSn	07 39 18.3	-0.5
GO03				IAML	07 39 18.9	
LOO	Las Campanas	1.57 228	ePn	Pn	07 39 11.4	0.0
LOO				eS	07 39 33.4	+0.5
LOO	Las Campanas	1.57 228	↑P	Pn	07 39 11.4	0.0
LOO				eS	07 39 33.4	+0.2
LOO				IAML	07 39 35.4	
AROD	Rodeo	2.21 182	ePn	Pn	07 39 20.9	+1.6
ACDV	Cuesta del Vie	2.22 174	eS	Pn	07 39 47.3	+0.2
ACDV				IAML	07 39 50.5	
GO04	Tololo Observa	2.54 209	ePn	Pn	07 39 23.0	-0.4
GO04				eS	07 39 54.1	-0.3
GO04				IAML	07 39 56.1	
ACLC	CERRO LA CRUZ	2.59 125	ePn	Pn	07 39 24.7	+0.7
ACLC				eS	07 39 54.8	-0.7
ACCO	Cerro Coronel	2.64 174	ePn	Pn	07 39 26.0	+1.2
ACCO				eS	07 39 58.1	+1.2
GO02	Mina Guanaco	2.79 356	ePn	Pn	07 39 27.4	+0.5
GO02				eS	07 40 01.6	+1.1
GO02				IAML	07 40 08.1	
AMOG	MOGNA	3.07 166	ePn	Pn	07 39 30.7	+0.5
CYA	Choya	3.19 100	ePn	Pn	07 39 32.1	+0.2
CYA				IAML	07 40 08.2	
CYA	Choya	3.19 100	↑P	Pn	07 39 32.0	+2.6
CYA				iS	07 40 07.0	-0.2
PB14	IPOC Station P	3.44 344	↑P	Pn	07 39 35.6	+0.1
CMCH	Combarbala	3.50 203	ePn	Pn	07 39 35.0	-1.0
CMCH				iS	07 40 15.6	-1.4

## 23d 8h



23d 8h

Table with columns: Code, Station Name, Az, Alt, Phase, ID, Time, Res, ISC. Includes stations like MBWA Marble Bar, MORW Morawa, QSPA South Pole Qui, etc.

NEIC 23 08:50:14.4-0.0, 17.30N:100.83W, h16km, MD4.0(MEX), After MEX.

MEX 23 08:50:14.5-0.0, 17.30N:100.83W, h16km, MD4.0, Guerrero

Table with columns: Code, Station Name, Az, Alt, Phase, ID, Time, Res, ISC. Includes stations like CAIG EI Cayaco, ZIHIG Zihuatanejo, etc.

KRNET 23 08:50:23.0-0.1, 41.17N:69.42E, mb2.5
SOME 23 08:50:24.0, 40.82N:69.9E, h0km
NMC 23 08:50:27.2-0.1, 41.00N:69.38E, h0km, mb3.2, mpv2.8, Error ellipse: s-maj=16.0km s-min=11.5km az=53.0

Table with columns: Code, Station Name, Az, Alt, Phase, ID, Time, Res, ISC. Includes stations like IUG luzhnay, IUG Luzhnay, BTK Batken, etc.

IDC 23 08:59:06.6-0.3, 10.65S:165.38E, h0km, mb5.3/4, mb1 5.4/36, mb1mx5.3/41, mbtmp5.3/36, ML6.0/2, MSS.6/42,

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Msl 1 5.6/42, ms1mx5.5/51, Error ellipse: s-maj=12.7km, s-min=10.8km az=94.0
BUJ 23 08:59:06.9, 10.32S:165.40E, h6km, mb5.9/72, mb5.6/84, MS5.9/33, MS7 5.7/85
ISJCJB 23 08:59:07.4-1.0, 10.64S:0.02:165.24E:0.02, h11km, 5km, mb5.5/340, MS5.8/667, Error ellipse: s-maj=3.0km s-min=2.7km az=135.1

NEIC 23 08:59:08.0-0.0, 10.64S:165.18E, h19km, Moment Tensor Solution. s44 Moment tensor: Scale 10^17Nm; Mrr:2.4; Mth:1.64; Mtt:9.06; Mtr:1.91; Mtr:1.05; Mtr:2.71; Best double couple: Mrr:10000; Mtr:1035; NP1:193.00000; s2:0.00000; N:1.06.00000; Azm:173.00000; 1.67.00000; Principal axes: T 8.3100, Plg73.0000; Azm152.0000; N:1.3400, Plg13.0000; Azm9.0000; P -9.6600, Plg9.0000; Azm276.0000;

MOS 23 08:59:09.6-0.0, 10.54S:165.24E, h23km, mb5.7/97, MS5.7/80, Error ellipse: s-maj=6.9km s-min=5.6km az=104.6
GCMT 23 08:59:12.7-0.1, 10.58S:0.01:165.19E, h24km, MW5.9/134, Moment Tensor Solution. s125,c268; s134,c306; Duration: 2s1 Moment tensor: Scale 10^18 Nm; Mrr:0.68;0.01; Mtr:0.23;0.01; Mtr:0.91;0.01; Mtr:0.18;0.01; Mtr:0.11;0.01; Best double couple: Mrr:0.83700;0.018; NP1:202.00000; s2:0.00000; 1.113.00000; Principal axes: T 7.2000, Plg64.0000; Azm173.00000; N:0.8200, Plg24.0000; Azm17.00000; P -8.0100, Plg7.00000; Azm283.00000;

NEIC 23 08:59:32.4-0.0, 9.87S:165.15E, h31km, Moment Tensor Solution. s14 Moment tensor: Scale 10^18Nm; Mrr:0.96; Mtr:0.16; Mtr:1.12; Mtr:0.93; Mtr:0.09; Mtr:0.49; Best double couple: Mrr:1.50000;0.1018; NP1:216.00000; s2:0.00000; 1.119.00000; Principal axes: T 7.6300, Plg57.0000; Azm166.00000; N:0.3200, Plg27.0000; Azm24.00000; P -3.0000, Plg18.0000; Azm285.00000;

ISC 23 08:59:09.3-0.4, 10.63S:0.03:165.32E:0.03, h16km, 2km, h16km;P-P, n1501, c1530/1257, mb5.6/347, MS5.8/674, 58C-7D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Alt, Phase, ID, Time, Res, ISC. Includes stations like HNR Honiara, MARC Mare, DZM Dzumac, etc.

Table with columns: Code, Station Name, Az, Alt, Phase, ID, Time, Res, ISC. Includes stations like MBAZ Motutapu North, KUZ Kuatonga, CAN Canberra, etc.



23d 8h

Table with columns for flight codes (SKR, VLA, QIZ, etc.), destinations (KOTA, USUR, USA0B, etc.), times, and status indicators (P, M, S, etc.).

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Table with columns for flight codes (VND, NKL, NIK, etc.), destinations (Vanda, Nikolayevsk, Nikolski, etc.), times, and status indicators (P, M, S, etc.).

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Table with columns for flight codes (HHC, CM01, CMAR, etc.), destinations (Chiang Mai, Chiang Mai Arr, etc.), times, and status indicators (P, M, S, etc.).

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SONGINO Array, Bradley Lake, and various 'S' and 'M' stations.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like Red Dog Mine, LSA Lhasa, and various 'M' and 'D' stations.

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like Mcherson Peak, Yreka Blue Hor, and various 'P' and 'M' stations.



Table with columns for station call letters, frequency, power, and other technical details. Includes stations like CTU, 319A, Q16A, X18A, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like YNR, YNR, PV17, H17A, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SMCO, MNTX, MNTX, RWWY, etc.



23d 8h

ARSB	Arslanbob	98.67	310	eP	P	09 12 48.0	-0.3
VNA1	Neumayer-Stat	98.79	182	P	Pdif	09 12 48.0	+0.1
OGNE	Ogallala	98.86	50	PFAKE	LR	09 13 00.0	+11
OGNE	comp=Z,4um,18.0s						
LNIG	Linares	99.08	66	PFAKE	LR	09 13 00.0	+10
LNIG	comp=Z,3um,20.0s						
BHJ	Bhuj	99.28	292	eP	Pdif	09 12 49.8	-1.3
BHJ	comp=Z,1.95nm,2.1s						
JCT	Junction City	99.48	61	PFAKE	LR	09 13 00.0	+8.1
JCT	comp=Z,6um,19.0s						
JCT	Junction City	99.48	61	Pdif	Pdif	09 12 50.4	-1.5
JCT	baz=203						
833A	Chaparral WMA	99.58	63	PFAKE	LR	09 13 00.0	+7.7
833A	comp=Z,6um,19.0s						
ABTX	Abilene, Hawie	99.86	59	PFAKE	LR	09 13 00.0	+6.5
ABTX	comp=Z,5um,19.0s						
ABTX	Abilene, Hawie	99.86	59	Pdif	Pdif	09 12 52.6	-0.9
ABTX	baz=264						
FFC	Flin Flon	100.15	36	ePdif	Pdif	09 12 53.4	-0.8
FFC	comp=Z,8um,21.0s						
FFC	Flin Flon	100.15	36	eP	Pdif	09 12 53.4	-0.8
FFC	MLR						
CBKS	Cedar Bluff	100.40	52	PFAKE	LR	09 13 10.0	+14
CBKS	comp=Z,2um,20.0s						
GO10	Punta Arenas	100.46	149	PFAKE	LR	09 13 10.0	+14
GO10	comp=Z,4um,18.0s						
GAR	Garm	100.47	308	PFAKE	LR	09 13 10.0	+14
GAR	comp=Z,6um,20.0s						
KK31	Karatay Array	100.67	312	ePdif	Pdif	09 12 56.1	-0.8
KK31	Karatay Array	100.67	312	eP	Pdif	09 12 56.1	-0.8
KKAR	Karatay Array	100.67	312	ePdif	Pdif	09 12 56.1	-0.8
KKAR	Karatay Array	100.67	312	eP	Pdif	09 12 56.1	-0.8
US2A	Winter Ranch	100.76	55	PFAKE	LR	09 13 10.0	+13
US2A	comp=Z,2um,20.0s						
WMOK	Wichita Mounta	100.79	57	PFAKE	LR	09 13 10.0	+12
WMOK	comp=Z,3um,19.0s						
WMOK	Wichita Mounta	100.79	57	Pdif	Pdif	09 12 57.2	-0.4
WMOK	baz=264						
GO09	Cerro Castillo	100.82	147	PFAKE	LR	09 13 10.0	+13
GO09	comp=Z,2um,18.0s						
KBL	Kabul	101.08	303	PFAKE	LR	09 13 10.0	+11
KBL	comp=Z,2um,21.0s						
LVIG	Laguna Verde	101.22	72	PFAKE	LR	09 13 10.0	+10
LVIG	comp=Z,2um,19.0s						
CHGR	Chuyangaron	101.34	307	PFAKE	LR	09 13 10.0	+10
CHGR	comp=Z,6um,21.0s						
435B	Jarell	101.41	61	PFAKE	LR	09 13 10.0	+10
435B	comp=Z,6um,19.0s						
BRVK	Borovoye	101.44	322	ePdif	Pdif	09 12 59.5	-0.5
BRVK	comp=Z,5um,22.0s						
BRVK	Borovoye	101.44	322	eP	Pdif	09 12 59.5	-0.5
BRVK	pmax						
WHTX	Lake Whitney	101.63	59	PFAKE	LR	09 13 10.0	+8.6
WHTX	comp=Z,7.0nm,1.0s						
BGNE	Belgrade	101.82	50	PFAKE	LR	09 13 10.0	+7.9
BGNE	comp=Z,4um,20.0s						
RES	Resolute Bay	102.77	16	PFAKE	LR	09 13 20.0	+15
RES	comp=Z,3um,18.0s						
HKT	Hockley	102.84	62	PFAKE	LR	09 13 20.0	+13
HKT	comp=Z,4um,20.0s						
KSU1	Kansas State U	102.86	52	PFAKE	LR	09 13 20.0	+13
KSU1	comp=Z,5um,20.0s						
ECSD	EROS Data Cent	103.08	47	PFAKE	LR	09 13 20.0	+12
ECSD	comp=Z,4um,19.0s						
TUL1	Leonard	103.32	56	PFAKE	LR	09 13 20.0	+11
TUL1	comp=Z,3um,21.0s						
X37A	Clayton	103.58	57	PFAKE	LR	09 13 20.0	+10
X37A	comp=Z,2um,20.0s						
AGMN	Agassiz Nation	103.71	43	PFAKE	LR	09 13 20.0	+10
AGMN	comp=Z,3um,20.0s						
ULM	Lac du Bonnet	103.72	41	PP	PP	09 17 26.5	-0.5
ULM	comp=Z,2um,19.0s						
NATX	Nacogdoches	103.99	60	PFAKE	LR	09 13 20.0	+8.1
NATX	comp=Z,1.8nm,0.5s,slow=3.5,SNR=4.2						
FCC	Fort Churchill	104.52	32	PFAKE	LR	09 13 30.0	+16
FCC	comp=Z,5um,18.0s						
HHAR	Hobbs	104.83	55	PFAKE	LR	09 13 30.0	+14
HHAR	comp=Z,4um,20.0s						
CCIG	Comitan	104.84	76	PFAKE	LR	09 13 30.0	+14
CCIG	comp=Z,3um,20.0s						
W39A	Magazine	104.91	56	PFAKE	LR	09 13 30.0	+14
W39A	comp=Z,2um,18.0s						
MIAR	Mount Ida	105.05	57	PFAKE	LR	09 17 40.0	+8.7
MIAR	comp=Z,3um,18.0s						
WLAR	White Oak Lake	105.40	58	PFAKE	LR	09 17 40.0	+8.0
WLAR	comp=Z,4um,18.0s						
SCIA	State Center	105.53	49	PFAKE	LR	09 17 40.0	+8.0
SCIA	comp=Z,2um,19.0s						
Z41A	Richland Creek	105.64	58	PFAKE	LR	09 17 40.0	+7.6
Z41A	comp=Z,3um,20.0s						
X40A	Basin Creek Fa	105.66	57	PFAKE	LR	09 17 40.0	+7.6
X40A	comp=Z,6um,19.0s						
SPMN	Marine on St.	105.82	46	PFAKE	LR	09 17 40.0	+7.6
SPMN	comp=Z,3um,19.0s						
UALR	University of	106.08	57	PFAKE	LR	09 17 40.0	+6.8
UALR	comp=Z,4um,20.0s						
WHAR	Woolly Hollow	106.14	56	PFAKE	LR	09 17 40.0	+6.7
WHAR	comp=Z,4um,20.0s						
W41B	Gary Mavity, V	106.17	56	PFAKE	LR	09 17 50.0	+17
W41B	comp=Z,4um,21.0s						
F38A	Pierce - Schro	106.46	45	PKIKP	PKIKP	09 17 32.5	-1.0
F38A	baz=272						
K39A	Delwein	106.52	49	PKIKP	PKIKP	09 17 32.4	-1.4
K39A	baz=271						
CCAR	Cane Creek	106.52	58	PFAKE	LR	09 17 50.0	+16
CCAR	comp=Z,3um,20.0s						
EYMN	Ely	106.64	43	PFAKE	LR	09 17 50.0	+16
EYMN	comp=Z,2um,20.0s						
E38A	The Farm, Brul	106.66	44	PFAKE	LR	09 17 50.0	+16
E38A	comp=Z,4um,18.0s						
R41A	Rosebud	106.92	53	PKIKP	PKIKP	09 17 33.4	-1.3
R41A	baz=270						
L40A	Anamosa	107.02	49	PFAKE	LR	09 17 50.0	+15
L40A	comp=Z,4um,22.0s						
CCM	Cathedral Cave	107.03	53	PFAKE	LR	09 17 50.0	+15
CCM	comp=Z,4um,22.0s						
T42A	Van Buren	107.14	54	PFAKE	LR	09 17 50.0	+15
T42A	comp=Z,3um,20.0s						

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T42A	comp=Z,2um,21.0s						
X43A	Marvell	107.28	57	PFAKE	LR	09 17 50.0	+15
X43A	comp=Z,3um,18.0s						
N41A	Harden Midland	107.32	51	PFAKE	LR	09 17 50.0	+15
N41A	comp=Z,6um,22.0s						
GO06	Curarrehue	107.44	137	PFAKE	LR	09 17 50.0	+14
GO06	comp=Z,3um,18.0s						
PLCA	Paso Flores	107.45	139	PP	PKIKP	09 17 52.6	+17
PLCA	comp=Z,1.5nm,0.9s,slow=12,SNR=3.3						
HBAR	Harrisburg	107.48	56	PFAKE	LR	09 17 50.0	+14
HBAR	comp=Z,4um,19.0s						
VBMS	Vicksburg	107.53	60	PFAKE	LR	09 17 50.0	+14
VBMS	comp=Z,4um,18.0s						
EFI	East Falkland	107.54	153	PFAKE	LR	09 17 50.0	+15
EFI	comp=Z,2um,21.0s						
MYIG	Mrida	107.58	71	PFAKE	LR	09 17 50.0	+14
MYIG	comp=Z,2um,20.0s						
G40A	Rib Lake	107.66	46	PFAKE	LR	09 17 50.0	+14
G40A	comp=Z,4um,20.0s						
PBMO	Poplar Bluff	107.67	55	PFAKE	LR	09 17 50.0	+14
PBMO	comp=Z,4um,19.0s						
FVM	French Village	107.67	53	PFAKE	LR	09 17 50.0	+14
FVM	comp=Z,2um,20.0s						
JFWS	Jewell Farm	107.72	48	PFAKE	LR	09 17 50.0	+14
JFWS	comp=Z,3um,19.0s						
JFWS	Jewell Farm	107.72	48	PKIKP	PKIKP	09 17 36.2	+0.2
JFWS	baz=272						
P42A	Winchester	107.72	52	PFAKE	LR	09 17 50.0	+14
P42A	comp=Z,5um,19.0s						
T43A	Greenview	107.78	54	PKIKP	PKIKP	09 17 35.2	-1.1
T43A	baz=270						
E40A	Wakefield	107.81	45	PKIKP	PKIKP	09 17 35.5	-0.6
E40A	baz=273						
SLM	Saint Louis	107.82	53	PFAKE	LR	09 17 50.0	+14
SLM	comp=Z,4um,19.0s						
I41A	Arkdale	107.95	47	PFAKE	LR	09 17 50.0	+14
I41A	comp=Z,3um,20.0s						
GNAR	Gosnell	108.00	56	PFAKE	LR	09 17 50.0	+13
GNAR	comp=Z,3um,19.0s						
ARU	Arti	108.06	326	PFAKE	LR	09 17 50.0	+14
ARU	comp=Z,3um,20.0s						
MET	Memphis-Engin	108.06	56	PFAKE	LR	09 17 50.0	+13
MET	comp=Z,4um,18.0s						
H41A	Junction City	108.08	47	PFAKE	LR	09 17 50.0	+13
H41A	comp=Z,4um,20.0s						
L42A	Oliver, Polo	108.18	49	PKIKP	PKIKP	09 17 35.6	-1.3
L42A	baz=272						
PARMO	Parma	108.22	55	PFAKE	LR	09 17 50.0	+13
PARMO	comp=Z,3						

SS1A	comp=Z,4m,19.0s	113.09	54	PFAKE	LR	09 18 00.0	+14
SS1A	comp=Z,3m,18.0s	113.09	54	PKIKP	PKIKP	09 17 45.8	-0.6
SS1A	comp=Z,3m,18.0s	113.13	128	PFAKE	LR	09 18 00.0	+13
SS1A	comp=Z,2m,19.0s	113.17	50	PFAKE	LR	09 18 00.0	+14
SS1A	comp=Z,4m,19.0s	113.17	52	PFAKE	LR	09 18 00.0	+14
SS1A	comp=Z,3m,18.0s	113.21	55	PFAKE	LR	09 18 00.0	+13
SS1A	comp=Z,4m,19.0s	113.22	56	PFAKE	LR	09 18 00.0	+13
SS1A	comp=Z,3m,19.0s	113.22	56	PKIKP	PKIKP	09 17 45.7	-0.9
SS1A	comp=Z,3m,18.0s	113.25	43	PKIKP	PKIKP	09 17 45.0	-1.3
SS1A	comp=Z,4m,19.0s	113.27	49	PKIKP	PKIKP	09 17 45.9	-0.6
SS1A	comp=Z,4m,19.0s	113.34	51	PFAKE	LR	09 18 00.0	+13
SS1A	comp=Z,4m,19.0s	113.35	52	PFAKE	LR	09 18 00.0	+13
SS1A	comp=Z,6m,20.0s	113.42	60	PFAKE	LR	09 18 00.0	+13
SS1A	comp=Z,2m,19.0s	113.45	58	PFAKE	LR	09 18 00.0	+13
SS1A	comp=Z,4m,18.0s	113.50	54	PKIKP	PKIKP	09 17 46.4	-0.7
SS1A	comp=Z,4m,18.0s	113.62	54	PKIKP	PKIKP	09 17 46.2	-1.2
SS1A	comp=Z,4m,18.0s	113.72	50	PFAKE	LR	09 18 00.0	+13
SS1A	comp=Z,4m,20.0s	113.79	59	PFAKE	LR	09 18 00.0	+12
SS1A	comp=Z,4m,19.0s	113.84	1	PKKPab	09 28 36.0	+0.4	
SS1A	comp=Z,14m,1.1s	113.86	56	PFAKE	LR	09 18 00.0	+12
SS1A	comp=Z,3m,19.0s	113.99	54	PKIKP	PKIKP	09 17 47.2	-1.0
SS1A	comp=Z,3m,19.0s	113.99	62	PFAKE	LR	09 18 00.0	+12
SS1A	comp=Z,4m,18.0s	114.00	55	PKIKP	PKIKP	09 17 47.0	-1.1
SS1A	comp=Z,4m,18.0s	114.14	48	PKIKP	PKPfd	09 17 47.4	-0.7
SS1A	comp=Z,4m,18.0s	114.14	127	PFAKE	LR	09 18 00.0	+11
SS1A	comp=Z,2m,20.0s	114.21	47	PKIKP	PKPfd	09 17 47.4	-0.8
SS1A	comp=Z,2m,20.0s	114.22	51	PFAKE	LR	09 18 00.0	+12
SS1A	comp=Z,3m,20.0s	114.22	51	PKIKP	PKPfd	09 17 47.5	-0.9
SS1A	comp=Z,2m,19.0s	114.29	108	PFAKE	LR	09 18 00.0	+11
SS1A	comp=Z,2m,18.0s	114.35	60	PFAKE	LR	09 18 00.0	+11
SS1A	comp=Z,3m,19.0s	114.39	63	PFAKE	LR	09 18 00.0	+11
SS1A	comp=Z,2m,18.0s	114.41	57	PFAKE	LR	09 18 00.0	+11
SS1A	comp=Z,3m,20.0s	114.44	140	PFAKE	LR	09 18 00.0	+11
SS1A	comp=Z,3m,18.0s	114.64	51	PFAKE	LR	09 18 00.0	+11
SS1A	comp=Z,6m,19.0s	114.65	45	PKIKP	PKPfd	09 17 48.4	-0.6
SS1A	comp=Z,2m,19.0s	114.68	51	PKIKP	PKPfd	09 17 48.6	-0.7
SS1A	comp=Z,2m,19.0s	114.74	57	PFAKE	LR	09 18 00.0	+10
SS1A	comp=Z,3m,20.0s	114.89	50	PKIKP	PKIKP	09 17 49.2	-0.5
SS1A	comp=Z,2m,18.0s	114.92	44	PKIKP	PKIKP	09 17 49.1	-0.5
SS1A	comp=Z,2m,18.0s	114.93	49	PKIKP	PKIKP	09 17 48.8	-0.9
SS1A	comp=Z,4m,19.0s	115.11	56	PFAKE	LR	09 18 00.0	+10
SS1A	comp=Z,4m,19.0s	115.12	52	PKIKP	PKIKP	09 17 49.2	-1.0
SS1A	comp=Z,4m,19.0s	115.18	44	PKIKP	PKIKP	09 17 48.7	-1.4
SS1A	comp=Z,3m,19.0s	115.23	57	PFAKE	LR	09 18 00.0	+10
SS1A	comp=Z,3m,20.0s	115.30	49	PFAKE	LR	09 18 00.0	+10
SS1A	comp=Z,4m,19.0s	115.33	51	PKIKP	PKIKP	09 17 50.2	-0.4
SS1A	comp=Z,4m,19.0s	115.34	48	PKIKP	PKIKP	09 17 49.6	-0.9
SS1A	comp=Z,2m,19.0s	115.38	64	PFAKE	LR	09 18 00.0	+9.0
SS1A	comp=Z,2m,18.0s	115.50	62	PFAKE	LR	09 18 00.0	+8.9
SS1A	comp=Z,3m,18.0s	115.50	45	ePKPfd	LR	09 17 50.6	-0.1
SS1A	comp=Z,4m,19.0s	115.51	50	ePKPfd	LR	09 17 51.0	+0.1
SS1A	comp=Z,4m,19.0s	115.51	50	PKIKP	PKIKP	09 17 49.8	-1.1
SS1A	comp=Z,4m,19.0s	115.54	44	PKIKP	PKIKP	09 17 49.8	-0.9
SS1A	comp=Z,4m,19.0s	115.56	43	PKIKP	PKIKP	09 17 49.1	-1.6
SS1A	comp=Z,4m,19.0s	115.58	60	ePKPfd	LR	09 17 52.6	+1.4
SS1A	comp=Z,3m,18.0s	115.65	54	ePKPfd	LR	09 17 51.0	-0.3
SS1A	comp=Z,3m,20.0s	115.65	54	PKIKP	PKPfd	09 17 49.9	-1.4
SS1A	comp=Z,2m,19.0s	115.66	65	PFAKE	LR	09 18 00.0	+8.5
SS1A	comp=Z,2m,20.0s	115.67	49	ePKPfd	LR	09 17 49.6	-1.6
SS1A	comp=Z,5m,20.0s	115.67	49	PKIKP	PKIKP	09 17 50.2	-1.0
SS1A	comp=Z,2m,19.0s	115.69	123	PFAKE	LR	09 18 00.0	+8.3
SS1A	comp=Z,2m,19.0s	115.76	125	PFAKE	LR	09 18 00.0	+7.8
SS1A	comp=Z,3m,20.0s	115.76	53	PKIKP	PKPfd	09 17 50.7	-0.8

G53A	Haliburton	115.80	45	PKIKP	PKIKP	09 17 50.6	-0.7
OTAV	OTAV	115.80	95	PFAKE	LR	09 18 00.0	+7.2
MCWV	Mont Chateau	115.80	51	PFAKE	LR	09 18 00.0	+8.5
ARAD	ARCES Array S	115.83	345	ePKPfd	PKIKP	09 17 49.7	-0.9
ARCE	ARCES Array B	115.83	345	ePKPfd	PKIKP	09 28 21.3	-3.6
ARCES	ARCES Array B	115.83	345	PKP	PKIKP	09 17 49.7	-0.9
ARCES	comp=Z,6.6nm,0.6s,baz=59,slow=2.0,SNR=23			PKIKP	PKIKP	09 28 21.3	-3.6
AREO	ARCES Array S	115.83	345	ePKPfd	PKIKP	09 17 50.3	-0.4
061Z	Ochoppi	115.88	66	PFAKE	LR	09 18 00.0	+8.0
BCIP	Isla Barro Col	115.90	85	PFAKE	LR	09 18 00.0	+7.7
VLD0	Val d'Or	115.94	42	ePKPfd	PKIKP	09 17 49.7	-1.7
D53A	Lac Vachiv, Po	116.02	43	PKIKP	PKPfd	09 17 50.3	-1.4
LQ40	Lebel-sur-Quev	116.02	40	PKIKP	PKPfd	09 17 50.3	-1.3
ALGO	Algonquin Park	116.02	44	PKIKP	PKPfd	09 17 50.9	-0.8
O55A	Ligonier	116.14	50	PKIKP	PKPfd	09 17 51.1	-1.0
KLMR	Klimovskoe	116.19	334	ePKPfd	PKIKP	09 17 49.9	-1.6
KLMR	comp=Z,5.0nm,0.8s			pmx	pmx	09 18 59.5	-1.6
KLMR	Klimovskoe	116.19	334	ePKPfd	PKIKP	09 17 50.0	-1.6
KLMR	comp=Z,5.0nm,0.8s			AMP	AMP	09 17 51.4	
KLMR	Dumoine, Ponti	116.19	43	ePKPfd	PKIKP	09 18 59.7	+3.0
ES5A	New Hope	116.22	58	PFAKE	LR	09 18 00.0	+7.6
NHSC	Ridgway	116.35	49	PKIKP	PKPfd	09 17 51.7	-0.8
M55A	Indianatown	116.36	65	PFAKE	LR	09 18 00.0	+7.1
060A	Hinsdale	116.47	48	PKIKP	PKPfd	09 17 50.7	-1.0
L55A	Lac Duplat, Po	116.50	43	PKIKP	PKPfd	09 17 50.9	-1.7
PB04	IPOC Station P	116.53	122	PFAKE	LR	09 18 10.0	+16
PB04	comp=Z,2m,20.0s			PKIKP	PKPfd	09 17 51.9	-0.9
PB04	Blue Knob Stat	116.69	50	ePKPfd	PKPfd	09 17 52.6	-0.6
O56A	Blue Knob Stat	116.69	50	PKIKP	PKPfd	09 17 52.2	-1.0
O56A	Lac Fusel, La	116.69	42	PKIKP	PKPfd	09 17 51.7	-1.2
D54A	MMNY Mt. Morris Dam	116.76	47	PFAKE	LR	09 18 00.0	+6.8
MMNY	Plevna	116.89	45	ePKPfd	PKPfd	09 17 52.9	-0.5
PLVO	Tweed	116.92	45	PKIKP	PKPfd	09 17 52.4	-1.0
H55A	Calabogie	117.09	44	PKIKP	PKPfd	09 17 52.5	-1.3
G55A	Standing Stone	117.14	50	ePKPfd	LR	09 17 53.0	-1.0
SSPA	Standing Stone	117.14	50	PKIKP	PKPfd	09 17 53.2	-0.8
SSPA	Chibougamaun	117.42	39	PKIKP	PKPfd	09 17 52.7	-1.6
LVC	Limon Verde	117.44	122	ePKPfd	LR	09 17 55.8	+0.2
LVC	Limon Verde	117.44	122	ePKPfd	MLR	09 17 55.8	+0.2
LVC	Makhachikala	117.47	313	iP	Pdf	09 14 08.3	-3.2
MAK	Elgin	117.55	45	PKIKP	PKPfd	09 17 53.9	-0.7
MAK	Mineral	117.56	53	ePKPfd	LR	09 17 54.4	-0.5
R58B	IPOC Station P	117.63	120	PFAKE	LR	09 18 10.0	+14
PB01	CNCC Cliffs of the	117.90	56	PFAKE	LR	09 18 10.0	+14
PB01	CNCC Cliffs of the	117.90	56	PKIKP	PKPfd	09 17 55.1	-0.5
CNCC	Corbin Frederi	117.92	52	PFAKE	LR	09 18 10.0	+14
CBN	Corbin Frederi	117.92	52	PKIKP	PKPfd	09 17 55.0	-0.6
CBN	Popay, Colom	117.98	93	ePKPfd	PKPfd	09 17 55.4	-1.3
POPC	Popay, Colom	117.98	93	ePKPfd	PKPfd	09 17 55.4	-1.3
POPC	IPOC Station P	118.02	119	ePKPfd	LR	09 17 55.2	-1.3
PB11	Pennsylvania G	118.08	50	ePKPfd	LR	09 17 55.8	0.0
PAGS	Soldier's Deli	118.14	51	PFAKE	LR	09 18 10.0	+14
SDMD	Alfred	118.25	44	PKIKP	PKPfd	09 17 55.0	-0.9
SDMD	Binghamton	118.25	48	PFAKE	LR	09 18 10.0	+14
ALFO	Binghamton	118.25	48	PKIKP	PKPfd	09 17 55.2	-1.0
BINY	Miny Miney	118.32	118	ePKPfd	LR	09 17 56.8	-0.5
BINY	Millersville	118.41	50	ePKPfd	LR	09 17 55.5	-1.0
MVLL	Keystone Colle	118.54	48	ePKPfd	LR	09 17 55.8	-0.8
KSPA	Yotoco, Valle	118.56	91	ePKPfd	PKPfd	09 17 56.1	-1.6
YOTC	Yotoco, Valle	118.56	91	ePKPfd	PKPfd	09 17 56.1	-1.6
N59A	State Game Lan	118.67	49	PKIKP	PKPfd	09 17 55.9	-1.0
N59A	Lake Ozonia	118.71	45	PFAKE	LR	09 18 10.0	+13
LFNY	Kangerlussuaq	118.78	15	PFAKE	LR	09 18 10.0	+14
SFJD	Mount Denham	118.90	75	PFAKE	LR	09 18 10.0	+12
MTDJ	Novokhoporsks	119.00	323	ePKPfd	PKPfd	09 17 55.5	-1.7
VRH	Lehigh Unives	119.03	49	PFAKE	LR	09 18 10.0	+12
LUPA	Newcomb	119.12	45	ePKPfd	LR	09 17 57.0	-0.8
NCB	La Tuque	119.17	41	PKIKP	PKPfd	09 17 56.6	-1.1
LATO	Flat Rock	119.34	44	ePKPfd	PKPfd	09 17 57.7	-0.4

FRNY	comp=Z,4m,19.0s			LR	LR		
PTLC	Puerto Leguiza	119.36	96	ePKPfd	PKPfd	09 17 57.1	-2.0
PTLC	Puerto Leguiza	119.36	96	ePKPfd	PKPfd	09 17 57.1	-2.0
ODNJ	Ogdensburg	119.50	49	ePKPfd	PKPfd	09 17 57.7	-0.8
BRNJ	Basking Ridge	119.61	49	ePKPfd	PKIKP	09 17 58.7	-0.1
BRNJ	Adirondack Com	119.65	46	PFAKE	LR	09 18 10.0	+11
ACCN	comp=Z,4m,18.0s			LR	LR		
HEL0	Santa Helena	119.72	89	ePKPfd	PKPfd	09 17 59.3	-0.9
HEL0	Santa Helena	119.72	89	ePKPfd	PKPfd	09 17 59.3	-0.9
TR0Y	Trouty	119.81	49	ePKPfd	PKPfd	09 17 59.3	+0.2
SCHO	Schefferville	119.90	32	PKP	PKPfd	09 17 58.0	-0.8
SCHO	comp=Z,4.0nm,0.7s,baz=319,slow=1.9,SNR=8.2			PKIKP	PKPab	09 28 08.7	-0.8
SCHO	comp=Z,7.4nm,1.1s,baz=178,slow=1.1,SNR=4.0			PKIKP	PKPab	09 17 58.2	-0.4
SCO	Scorebysund	120.03	3	ePKPfd	PKPfd	09 17 58.2	-0.4
SCO	Scorebysund	120.03	3	ePKPfd	PKPfd	09 17 58.2	-0.4
PAL	Palisades	120.03	49	ePKPfd	LR	09 17 58.7	-0.8
PAL	Palisades	120.03	49	ePKPfd	MLR	09 17 58.7	-0.8
PAL	Palisades	120.03	49	ePKPfd	MLR	09 17 59.0	-0.5
VT1	Waterbury	120.05	45	ePKPfd	PKPfd	09 17 59.0	-0.5
LPSR	Galich ya Gora	120.07	325	ePKPfd	PKPfd	09 17 58.	





23d 10h

Table with columns: FITZ, SONMI, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes data for FITZ 3.7m, SONMI Songoing Array.

NNC 23 09:44:00.7±0.2, 42.91N±71.06E, h0km, mb2.4, mpv2.2, Error ellipse: s-maj=5.9km s-min=0.8km az=23.0, Suspected Mining explosion.

ISCJB 23 09:44:01.7±0.3, 42.91N±0.05±71.02E±0.03, h0km, Error ellipse: s-maj=7.7km s-min=1.8km az=25.2

SOME 23 09:44:01.2, 42.85N±71.07E, h10km, Error ellipse: s-maj=13.1km s-min=6.3km az=153.0

KRNET 23 09:44:03.0±0.1, 42.87N±71.20E, h15km, mb2.3, Error ellipse: s-maj=10.4km s-min=1.0km az=134.0

ISC 23 09:44:01.1±0.3, 42.91N±0.05±71.02E±0.03, h0km, n26, ±130/49, 26C-18L, Kyrgyzstan

Main table for 23d 10h section, listing stations like Taraz, Karatay Array, Erkin-Say, etc. with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

ISC 23 10:08:32.2±1.0, 6.88N-129.99E, h0km, mb3.2/3, mb1 3.4/3, mb1mx3.2/3, mbmp3.3/3, Error ellipse: s-maj=86.7km s-min=26.5km az=65.0, Halmahera

Table for 23d 10h section, listing stations like Sorong, Waramunga Arr, Alice Springs, etc. with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

NEIC 23 10:12:56.7±0.0, 13.87N±92.84W, h64km, MD4.0 (MEX), After MEX

MEX 23 10:12:56.7±0.0, 13.86N±92.84W, h64km±114km, MD4.0, Off coast of Chiapas

Table for 23d 10h section, listing stations like THIG, PCIG, Comitan, etc. with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

NEIC 23 10:13:15.9±0.3, 19.66S±173.01W, h10km, mb4.7/23, Error ellipse: s-maj=12.0km s-min=6.9km az=160.0

ISCJB 23 10:13:16.6±0.3, 19.67S±173.05W±0.05, h26km, mb4.6/34, Error ellipse: s-maj=10.0km s-min=6.3km az=155.2

ISC 23 10:13:16.1±0.8, 19.57S±173.38W, h0km, mb4.2/13, mb1 4.4/14, mb1mx4.3/29, mbmp4.2/14, ML4.4/1, Error ellipse: s-maj=8.1km s-min=3.6km az=134.0

ISC 23 10:13:18.5±0.4, 19.65S±10.17±172.99W±0.06, h26km, n64, ±180/66, mb4.7/34, Tonga Islands region

Table for 23d 10h section, listing stations like Niue, Raoul Island, RAR, etc. with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

2013 FEB

Main table for 2013 FEB section, listing stations like Mare, Loyalty, Pines Island, etc. with columns: MARNC, PINNC, OUENC, etc. and columns: Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

SOME 23 10:31:03.3±1.4, 71.9N±82.02E, h20km, NNC 23 10:31:07.3±1.7, 42.14N±81.99E, h0km, mb3.8, mpv3.5, Error ellipse: s-maj=13.1km s-min=7.5km az=153.0

ISC 23 10:31:05.9±2.4, 42.02N±0.1±82.00E±0.08, h14km, n21, ±175/27, 7C-6D, Southern Xinjiang

Main table for 2013 FEB section, listing stations like Ketmen, Podgornoye, Uzunbulak, etc. with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

1702

Table for 1702 section, listing stations like Medeo, Kurty, Kurek, etc. with columns: MDOK, KUU, KST, etc. and columns: Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

ISCJB 23 10:47:57.5±0.6, 2.09S±0.06±136.57E±0.05, h10km, mb3.3/2, MS3.4/1, Error ellipse: s-maj=10.4km s-min=5.2km az=33.4

DJA 23 10:47:57.6±0.6, 2.5±13.7E±, h10km, M4, 1/4, MLv4.1/4, IDC 23 10:47:58.7±1.5, 2.14S±136.72E, h0km, mb3.2/2, mb1 3.5/4, mb1mx3.3/4, mbmp3.3/4, ML3.2, MS3.6/1, MS1 3/1, ms1mx2/9/17, Error ellipse: s-maj=32.4km s-min=27.1km az=54.0

ISC 23 10:47:59.1±0.9, 2.03S±0.08±136.57E±0.05, h10km, n9, ±16/11, Irian Jaya region

Table for 1702 section, listing stations like Serui, Biak, Genyem, etc. with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

NEIC 23 10:49:30.2±0.0, 16.07S±72.65W, h10km, mb4.1/6, After ARE

ISCJB 23 10:49:36.4±0.5, 16.23S±0.04±72.05W±0.09, h114km, mb3.8/1, Error ellipse: s-maj=13.4km s-min=4.7km az=160.5

IDC 23 10:49:37.9±2.0, 15.78S±71.53W, h61km, mb3.5/6, mb1 3.8/11, mb1mx3.6/38, mbmp3.8/11, Error ellipse: s-maj=29.2km s-min=14.6km az=61.0

ISC 23 10:49:40.2±0.6, 16.17S±0.06±71.84W±0.09, h114km, n33, ±350/37, Southern Peru

Table for 1702 section, listing stations like La Paz, IPOC Station, etc. with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC.

LVC 0.4nm, 0.3s, baz=203, slow=12, SNR=1.8

MINMC Minye Minye 3.64 144 eP Pn 10 50 33.0 -2.0

PB11 IPOC Station P 4.13 150 ePn Pn 10 50 38.6 -2.9

PB01 IPOC Station P 5.33 166 eSn Pn 10 51 57.3 -0.7

PB04 IPOC Station P 6.33 164 eSn Pn 10 52 11.7 -0.3

NNA Nana 6.39 310 P Pn 10 51 107.7 -1.6

NNA 1.7nm, 0.3s, baz=99, slow=12, SNR=2.4 S Sn 10 52 29.5 +6.0

LVC Limon Verde 6.97 157 ePn Pn 10 51 18.0 -2.1

LVC Limon Verde 6.97 157 P Pn 10 51 20.4 +0.3

LVC 0.8nm, 0.3s, baz=123, slow=8.3, SNR=23 S Sn 10 52 43.2 +5.1







1705

LZH	comp=Z,830nm,21.8s	49.69 335	↑P	P	11 18 10.3	-0.5
LZH	Lanzhou		pP	pP	11 18 19.8	-1.2
LZH			sP	sP	11 18 24.3	-0.2
LZH			PP	PP	11 20 06.0	+0.3
LZH			SS	SS	11 25 14.4	+3.1
LZH			SS	SS	11 25 31.9	-1.4
LZH			SS	SS	11 28 47.4	-3.0
LZH			pmax	pmax		
LZH	comp=Z,110nm,1.2s					
LZH	comp=Z,1μm,6.0s					
LZH	comp=Z,5μm,14.6s					
LZH	comp=Z,5μm,15.2s					
LZH	comp=Z,5μm,18.4s					
MSVF	Nonsavu	49.97 106	eP	P	11 18 12.4	-0.8
MSVF	comp=Z,96nm,1.3s					
MSVF	Nonsavu	49.97 106	eP	P	11 18 12.4	-0.8
MSVF	comp=Z,96nm,1.3s					
DCZ	Deep Cove	50.14 144	eP	P	11 18 14.0	0.0
DCZ	comp=Z,111nm,1.6s					
SNY	Shenyang	50.30 356	↑P	P	11 18 14.3	-0.8
SNY			PP	PP	11 20 10.1	-0.8
SNY			S	S	11 25 26.4	+1.0
SNY	comp=Z,32nm,1.1s					
SNY	comp=Z,990nm,5.7s					
SNY	comp=Z,3μm,17.7s					
SNY	comp=Z,2μm,18.9s					
SNY	comp=Z,6μm,20.2s					
MLZ	Mavora Lakes	50.65 144	eP	P	11 18 18.5	+0.7
MLZ	comp=Z,115nm,1.6s					
MLZ			LR	LR		
FOZ	comp=Z,8μm,20.0s					
FOZ	Fox Glacier	50.71 141	PFAKE	LR	11 18 30.0	+1.2
WHZ	comp=Z,14μm,20.0s					
WHZ	Wether Hill Ro	50.84 144	eP	P	11 18 19.7	+0.4
WHZ	comp=Z,60nm,1.0s					
WHZ	comp=Z,9μm,18.0s					
WKZ	Wanaka	50.89 143	PFAKE	LR	11 18 30.0	+1.0
WKZ	comp=Z,7μm,20.0s					
HHC	Hu-ho-hao-te	51.33 345	eP	P	11 18 21.6	-1.5
HHC			pP	pP	11 18 31.6	-1.7
HHC			sP	sP	11 18 34.9	-2.0
HHC			pmax	pmax	11 25 35.6	-4.5
HHC	comp=Z,13nm,1.3s					
HHC	comp=Z,670nm,5.4s					
HHC	comp=Z,2μm,17.9s					
HHC	comp=Z,1μm,18.1s					
HHC	comp=Z,2μm,16.4s					
LBZ	Lake Benmore	51.37 141	eP	P	11 18 23.7	+0.4
LBZ	comp=Z,92nm,1.3s					
LBZ			LR	LR		
BTO	Baotou	51.53 343	eP	P	11 18 20.0	-4.5
BTO	comp=Z,72nm,0.9s					
RPZ	Rata Peaks	51.58 140	eP	P	11 18 25.8	+1.0
RPZ	comp=Z,113nm,1.0s					
RPZ	comp=Z,21μm,20.0s					
RPZ	Rata Peaks	51.58 140	P	P	11 18 27.0	+2.2
RPZ	comp=Z,72nm,0.9s					
VLA	Vladivostok	51.62 4	iP	P	11 18 23.6	-1.4
VLA	comp=Z,33nm,1.1s					
LSA	Lhasa	51.66 319	P	P	11 18 25.8	-0.4
LSA			S	S	11 25 53.3	+7.5
LSA	comp=Z,36nm,2.3s					
LSA	comp=Z,1μm,20.9s					
LSA	comp=Z,4μm,46.4s					
LSA	comp=Z,4μm,18.6s					
LSA	comp=Z,70nm,0.8s					
LSA	comp=Z,4μm,21.0s					
LSA	Lhasa	51.66 319	eP	P	11 18 24.9	-1.3
LSA	comp=Z,4μm,21.0s					
LSA	Lhasa	51.66 319	P	P	11 18 25.8	-0.4
LSA	comp=Z,70nm,0.8s					
LSA	comp=Z,4μm,21.0s					
THZ	Tophouse	51.87 137	eP	P	11 18 28.0	+0.9
THZ	comp=Z,85nm,1.0s					
THZ	comp=Z,13μm,18.0s					
LTZ	Lake Taylor	51.91 139	eP	P	11 18 27.8	+0.5
LTZ	comp=Z,59nm,1.2s					
ODZ	Otahua Downs	51.99 142	PFAKE	LR	11 18 40.0	+1.2
ODZ	comp=Z,8μm,20.0s					
OXZ	Oxford	52.02 139	eP	P	11 18 28.6	+0.6
OXZ	comp=Z,40nm,0.7s					
OXZ	comp=Z,16μm,19.0s					
CN2	Changchun	52.18 358	eP	P	11 18 29.8	+0.6
CN2			eP	pP	11 18 39.9	+0.5
CN2			eP	PP	11 20 29.5	+1.6
CN2			eS	S	11 25 52.3	+0.9
CN2			eSS	SS	11 29 33.3	+3.9
CN2	comp=Z,10.0nm,0.9s					
CN2	comp=Z,200nm,5.0s					
CN2	comp=Z,3μm,20.0s					
CN2	comp=Z,2μm,20.0s					
CN2	comp=Z,3μm,20.0s					
MCQ	Macquarie Isla	52.24 157	PFAKE	LR	11 18 40.0	+1.1
MCQ	comp=Z,8μm,19.0s					
ERM	Ermo	52.38 15	PFAKE	LR	11 18 40.0	+9.3
ERM	comp=Z,4μm,20.0s					
ODAN	Odare	52.45 314	eP	P	11 18 30.8	-1.0
CRLZ	Canterbury Las	52.51 139	eP	P	11 18 31.6	-0.1
CRLZ	comp=Z,155nm,1.4s					
KHZ	Kahutara	52.58 138	eP	P	11 18 32.5	+0.2
KHZ	comp=Z,80nm,0.9s					
KHZ	comp=Z,6.6nm,1.0s					
MQZ	McQueen's Vall	52.59 140	eP	P	11 18 32.5	+0.2
MQZ	comp=Z,170nm,1.6s					
MQZ	comp=Z,11μm,18.0s					
USA0B	Ussuriysk Arra	52.71 4	eP	P	11 18 32.1	-0.9
USRK	Ussuriysk Ar.	52.71 4	P	P	11 18 31.8	-1.3
USRK	comp=Z,15nm,0.8s					
USRK	comp=Z,6.6nm,1.0s					
USRK	comp=Z,3μm,18.9s					
SNZO	South Karori	52.90 136	PFAKE	LR	11 18 50.0	+1.5
SNZO	comp=Z,13μm,18.0s					
MDJ	Mudanjiang	53.00 2	P	P	11 18 36.3	+1.1
MDJ			pP	pP	11 18 39.8	-5.6
MDJ			S	S	11 26 05.0	+2.5
MDJ	comp=Z,47nm,1.2s					
MDJ	comp=Z,510nm,3.2s					

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MDJ	comp=Z,3μm,20.6s					
MDJ	comp=Z,1μm,15.9s					
MDJ	comp=Z,4μm,20.8s					
MDJ	Mudanjiang	53.00 2	eP	P	11 18 34.4	-0.8
MDJ	comp=Z,63nm,1.0s					
MDJ	comp=Z,4μm,22.0s					
RAMN	Ramite	53.07 313	eP	P	11 18 35.7	-0.7
BKZ	Black Stump Fm	53.32 133	eP	P	11 18 37.8	-0.1
BKZ	comp=Z,262nm,0.6s					
BKZ	comp=Z,34nm,0.9s					
URZ	Urewera	53.45 132	eP	P	11 18 39.1	+0.3
URZ	comp=Z,8μm,18.0s					
URZ	comp=Z,114nm,1.6s					
BFZ	Birch Farm	53.71 135	PFAKE	LR	11 18 50.0	+9.3
BFZ	comp=Z,7μm,20.0s					
JIRN	comp=Z,35μm,18.0s					
JIRN	comp=Z,240nm,0.9s					
TEY	Ternei	54.02 8	eP	P	11 18 43.1	+0.4
TEY	comp=Z,111nm,1.9s					
TEY	comp=N,30nm,0.9s					
TEY	comp=Z,60nm,1.0s					
GUN	Gumba	54.15 314	eP	P	11 18 43.2	-1.3
GUN	comp=Z,200nm,0.8s					
GTA	Gaotai	54.21 334	↑P	P	11 18 43.5	-0.9
GTA			pP	pP	11 18 53.3	-1.4
GTA			sP	sP	11 18 57.6	-0.6
GTA			PP	PP	11 20 45.9	-0.6
GTA			S	S	11 26 19.0	-0.4
GTA			sS	sS	11 26 38.0	+2.5
GTA	comp=Z,96nm,1.0s					
GTA	comp=Z,680nm,5.9s					
GTA	comp=Z,2μm,21.6s					
GTA	comp=Z,2μm,23.2s					
GTA	comp=Z,3μm,23.5s					
ASAJ	Asahikawa	54.23 13	LR	LR	11 41 04.4	
ASAJ	comp=Z,5μm,21.5s					
PKI	Pulchoki	54.29 313	eP	P	11 18 43.9	-1.6
PKI	comp=Z,100nm,0.7s					
PKIN	Phulchoki	54.31 313	eP	P	11 18 43.9	-1.6
PKIN	comp=Z,62nm,0.5s					
DGAR	Diego Garcia	54.44 267	eP	P	11 18 45.9	-0.4
DGAR	comp=Z,638nm,1.3s					
DGAR	comp=Z,5μm,19.0s					
DGAR	Diego Garcia	54.44 267	eP	P	11 18 45.9	-0.4
DGAR	comp=Z,638nm,1.3s					
DGAR	comp=Z,5μm,19.0s					
DGAR	Diego Garcia	54.44 267	P	P	11 18 48.7	+2.3
DGAR	SNR=12					
DGAR	SNR=12					
KKN	Kakani	54.51 313	eP	P	11 18 45.7	-1.2
KKN	comp=Z,195nm,1.1s					
DMN	Danan	54.54 313	eP	P	11 18 45.9	-1.2
DMN	comp=Z,318nm,1.3s					
HYB	Hyderabad	54.79 298	iP	P	11 18 46.5	-2.4
HYB	comp=Z,80nm,1.0s					
YUK	Yuzh-Kuril'sk	54.98 16	cP	P	11 18 42.1	-7.6
YUK	comp=Z,97nm,1.9s					
YUK	comp=Z,110nm,1.2s					
YUK	comp=N,88nm,1.0s					
YUK	comp=E,18nm,0.7s					
RAO	Raouli Island	55.08 120	PFAKE	LR	11 19 00.0	+9.2
RAO	comp=Z,7μm,20.0s					
KOLN	Koldanda	55.73 312	eP	P	11 18 54.5	-1.2
KOLN	comp=Z,264nm,0.9s					
DANN	Dangsing	55.94 313	eP	P	11 18 55.9	-1.4
DANN	comp=Z,263nm,0.9s					
PYUN	Piuthan	56.36 312	eP	P	11 18 59.0	-1.2
PYUN	comp=Z,365nm,1.0s					
KUR	Kuril'sk	56.65 17	P	P	11 19 03.7	+2.1
KUR	comp=Z,98nm,1.3s					
KUR	comp=Z,1μm,18.0s					
KUR	comp=N,1μm,20.0s					
MNCI	Minicoy	56.73 286	eP	P	11 19 04.6	+1.8
MNCI	comp=Z					





23d 11h

Table with columns for call sign, frequency, power, and other technical details. Includes stations like NVAR, ARVC, FETA, OSI, ISA, TIN, CWC, FUORN, CIS, DAVA, STU, EDW2, DAC, LRM, GRAC, MPMC, VLC, BFSC, USHA, THUE, BFO, MSO, MGO, FURC, MURC, GSC, BBRC, 109C, CPE, TPNE, HLID, ELK, SHOC, MEM, BAR, R11A, PFO, PFO, XPFO, BEBN, G010, WLF, MONP2, TUQ, BELC, BCLA, GMRC, DLMT, UCC, BC3, LDFC, DOU, IRM, BOZ, PSUT, HVU, BGU, GLA, GLA, GLA, Y12C, Y12C, EGMT, DUG, DUG, PDMCI, LCMT.

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Table with columns for call sign, frequency, power, and other technical details. Includes stations like FWXY, H17A, MOOW, Y14A, RLMT, U15A, FFC, F14C, E14, B10E, PD31, PDR, PDAR, SRU, WUAZ, X16A, LAO, SRIG, FCC, DMC, TUC, TUC, O20A, IDGL, X18A, W18A, R18A, RWWY, K22A, MVO, TAM, 319A, N23A, RSSD, S22A, IGLA, ISCO, 121A, Y22D, Y22D, Q24A, SDCO, ANMO, MDND, ULM, T25A, OGNF, OGNF, MNTX, MNTX, KSCO, KSCO, AGMN, SUSD, TOC2, TOC3, TOB2, TOB3, TOC1, TOC4, TOA0, TOA0, TOR, TOA3, TOA3, TOA1, TOB4, TOB5, TOB5.

1708

Table with columns for call sign, frequency, power, and other technical details. Includes stations like TOC7, TOC7, TOCS, TOCS, HPIG, HPIG, ES19, ES19, MSTX, MSTX, TX31, TXAR, AMTX, AMTX, AMTX, AMTX, ECSD, ECSD, CBKS, CBKS, PLCA, PLCA, BGNE, BGNE, POLO, EYMN, G006, G006, MTE, PCBR, F37A, E38A, M3DT, SPMN, F38A, C40A, KSU1, KSU1, KSU1, G38A, E39A, H38A, F39A, WMOK, ABTX, ABTX, G39A, F40A, H39A, JCT, JCT, JCT, G40A, I39A, I39A, SCIA, SCIA, J39A, H40A, F41A, K39A, 833A, 833A, 833A, F42A, M39A, KOWA, KOWA, G42A, TUL1, E43A, WHTX, L40A, L40A, J41A, SCHQ, SCHQ, SCHQ, JFW5, JFW5, LNIG, LNIG, M40A, KIC, DBIC, DBIC, DBIC, DBIC, I42A, I42A, TRQA, TRQA, L41A, LIC.

Table with columns: TIC, ID, Name, Address, Date, Time, Status, etc. Rows include TIC 4E5A, 4N1A, 446A, L42A, HHAR, F45A, E46A, UNM, UNM, O41A, D47A, P41A, G45A, MATO, W39A, W39A, Q41A, E47A, M40A, U43A, D48A, R41A, P42A, P42A, HKT, S41A, MIAR, MIAR, HDIL, CCM, CCM, CCM, GLMI, Q42A, E48A, T41A, G47A, R42A, M44A, LSQO, P43A, U41A, H47A, S42A, CHGO, X40A, X40A, X40A, PEL, T42A, T42A, ROCI, W41B, W41B, O44A, E50A, U42A, VLDO, D51A, I48A, J47A, P44A, S43A, Q44A, T43A, PBMO, K47A, E51A, R44A, D52A, U43A, F43A, J48A, P45A, P45A, F51A, S44A, I49A, V43A, D53A, Q45A, T44A, K48A.

Table with columns: ID, Name, Address, Date, Time, Status, etc. Rows include PARMO, J49A, P46A, E52A, R45A, GNAR, F52A, D54A, N47A, S45A, L48A, Q46A, O47A, BUKO, M48A, M48A, E53A, Y43A, Y49A, T45A, T45A, E54A, ALGO, MET, N48A, P47A, I51A, O48A, Q47A, G53A, T46A, ELFO, L50A, W45A, P50A, U46A, R47A, P48A, BANO, Q48A, F55A, M50A, S47A, GO04, GO04, WCI, WCI, ACTO, O49A, O49A, LATQ, VBMS, J52A, V46A, WVT, WVT, WVT, T47A, T47A, W46A, K52A, G55A, CMIG, PLVO, N50A, U47A, DELO, O50A, TYNO, V47A, PLAL, T48A, ORIO, H55A, N51A, N51A, R49A, P50A, ALFO, W47A, ACSO, U48A.

Table with columns: ID, Name, Address, Date, Time, Status, etc. Rows include M52A, S49A, X47A, V48A, O51A, L53A, MEDO, N52A, T49A, T49A, R50A, P51A, W48A, U49A, J55A, O51A, ALLY, ALLY, O52A, S50A, T47A, T47A, X48A, X48A, X48A, N53A, T50A, V49A, R51A, P52A, LONY, M54A, M54A, W49A, O53A, L55A, U50A, N54A, X49A, Q52A, S51A, S51A, P53A, P53A, R52A, V50A, O54A, LRAL, LRAL, LRAL, Y49A, W50A, W50A, NCB, GO03, GO03, Z49A, V19A, V19A, V19A, CPCT, CPCT, W51A, Y50A, O55A, O54A, S53A, S53A, Z50A, Z50A, Z50A, CCGI, CCGI, BINY, BINY, X51A, P55A, T53A, V52A, BRAL, O56A, L50A, Q55A, Q55A, Z50A, Z50A, W52A, Z51A, U53A, X52A.



23d 11h

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Tazewell, Saluda, Opelika, Lewisburg, etc.

2013 FEB

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like Estel, Disney Wildern, 858A, Wauchoia, etc.

1710

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error. Includes stations like SOEI, BATI, MTN, FAKI, etc.

NEIC 23 11:13:27.6, 0.2, 8.36S; 127.41E, h10km, mb4.8/34, Error ellipse: s-maj=6.7km s-min=4.5km az=55.0
ISCJB 23 11:13:29.0, 0.3, 8.37S; 127.40E, h10km, mb4.7/42, Error ellipse: s-maj=7.7km s-min=5.3km az=147.4
IDC 23 11:13:33.1, 2.3, 8.35S; 127.30E, h49km, 21km, mb4.3/31, mb1 4.5/16, mb1mx4.4/32, mbtmp4.7/16, ML 4.8/3, Error ellipse: s-maj=22.0km s-min=12.0km az=59.0
ISC 23 11:13:31.2, 0.4, 8.36S; 127.46E, h5.06, h35km, n83, a1508/83, mb4.8/42, Timor region

HLW 23 11:20:43.7, 29.88N, 36.75E, h10km, 11km, M3.6
ISCJB 23 11:20:46.7, 1.5, 29.92N, 0.08, 36.72E, 0.1, h3km, Error





Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like ARG Arkhangelos, ARG Arkangelos, ARG MRSB, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like LAST Lasithi, LAST Lasithi, LAST Lasithi, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like GLBA Cillabad, GLBA Cillabad, GLBA Cillabad, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like GBS Qobustan, GBS Qobustan, GBS Qobustan, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like BATI Baumata, BATI Baumata, BATI Baumata, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like SENK Senkaya-Erzuru, SENK Senkaya-Erzuru, SENK Senkaya-Erzuru, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like EPOS Posof, EPOS Posof, EPOS Posof, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like VNA1 Neumayer-Stat, VNA1 Neumayer-Stat, VNA1 Neumayer-Stat, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like ARK Arkit, ARK Arkit, ARK Arkit, etc.

Table with columns: Code, Station Name, Az, El, Phase ID, Time, Res, ISC. Includes stations like ARK Arkit, ARK Arkit, ARK Arkit, etc.

Table with columns: SFK, baz, Karagaybulak, KBK, Karagaybulak, KBK, Karagaybulak, KK31, Karatay Array, KK31, Karatay Array, CHMS, Chumysh, CHMS, Chumysh, KZA, Kyzart, KZA, Kyzart, KZA, Kyzart, USP, Osenovka, USP, Osenovka, TKM2, Tokmak 2, TKM2, Tokmak 2, TKM2, Tokmak 2, DGS, Degeres, DGS, Degeres, DGS, Degeres, KST, Kaste, KST, Kaste, KUU, Kurty, KUU, Kurty, KUU, Kurty, CHKK, Chushkaly, CHKK, Chushkaly, ARXS, Arharly, ARXS, Arharly, ARXS, Arharly.

Table with columns: DDA, TIF, ISC, Code, Station Name, Az, Az', Phase ID, Time, Res, DBOC, Borcka, BATM, Batumi, ARTV, Artvin, DBAD, Bademkaya, DAGI, Agillar, DDEM, Demirkent, DDEM, Demirkent.

Table with columns: ISC, Code, Station Name, Az, Az', Phase ID, Time, Res, HNR, Honiara, HNR, Honiara, HNR, Honiara, HNR, Honiara, HNR, Honiara, MARNC, Mare, Loyalty, DZM, Mont Dzumac, DZM, Mont Dzumac, DZM, Mont Dzumac, DZM, Mont Dzumac, OUENC, Ouen Island, N, OUENC, Ouen Island, N, PINNC, Pines Island, CTA, Charters Tower, H1S2, WAKE ISLAND Hy 29.01, H1S3, WAKE ISLAND Hy 29.01, H1S1, WAKE ISLAND Hy 29.02, BKZ, Black Stump Fm, H1N1, WAKE ISLAND Hy 30.23, H1N3, WAKE ISLAND Hy 30.24, H1N2, WAKE ISLAND Hy 30.25, WRAB, Tennant Creek, WR1, Warramunga Arr, WRA, Warramunga Arr, BFZ, Birch Farm, ASAR, Alice Springs, FOZ, Fox Glacier, BBOO, Buckleboob, CM01, Chiang Mai Arr, CM31, Chiang Mai Arr, CMAR, Chiang Mai Arr, ULN, Ulaanbaatar, SONA, Songino Array, SONM, Songino Array, SONA1, Songino Array.

Table with columns: RSO, Redoubt South, GSPA, South Pole Qui, RPN, Rapa Nui, SCM, Sheep Creek Mo, IL1, Eielson Array, ILAR, Eielson Array, ILB, Eielson Array, MK32, Mananchi Array, MKAR, Mananchi Array, YKA, Yellowknife Ar, YKBS, Yellowknife Ar.

MEX 23 13:07:37.8±0.6, 18.09N-98.47W, h51km±7km, MD3.8, Central Mexico

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, YAIG, Yautepec, YAIG, Yautepec, PPM, Popocatepeti, PLIG, Platanillo, PLIG, Platanillo, TPIG, Tehuacan, ARIG, Puente San Nin, ARIG, Puente San Nin.

IDC 23 13:12:17.3±1.7, 1.91N-127.98E, h0km, mb3.4/3, mb1 3.5/3, mb1mx3.3/47, mbt3.4/3, Error ellipse: s-maj=123.2km s-min=27.3km az=69.0, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, WRA, Warramunga Arr, SONM, Songino Array, MKAR, Mananchi Array.

ISCJB 23 13:16:28.7±0.7, 23.96N±0.02±122.84E±0.02, h4km±5km, Error ellipse: s-maj=3.9km s-min=2.6km az=174.4, TAP 23 13:16:29.9±24.03N±122.87E, h23km±1km, ML2.6, D JMA 23 13:16:30.1±0.2, 24.02N±122.84E, h19km±4km, M2.7, ISC 23 13:16:29.0±1.2, 23.96N±0.03±122.85E±0.02, h12km±10km, n51,±0.68/101, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, JYNG, Yonagunijimaku, JYNG, Yonagunijimaku, YOJ, Yonaguni jima, YOJ, Yonaguni jima, YOJ, Yonaguni jima, HATJ, Hateruma jima, EOST, EOST, IRIF, Iriomote-Funau, IRIF, Iriomote-Funau, JKRS, Kuro-shima, JKRS, Kuro-shima, NANO, NANO, NANO, NANO, ENA, NANO, ENA, NANO, TWC, Suao, TWC, Suao, NACB, Ninganchiao, NACB, Ninganchiao, NACB, Ninganchiao, JIJ, Ishigaki jima, JIJ, Ishigaki jima, ETLH, Xiulin Townshi, ETLH, Xiulin Townshi, TWE, Neicheng, TWE, Neicheng, ENT, Nioudou, ENT, Nioudou, ENT, Nioudou, SLBB, Yuanshan, SLBB, Yuanshan, SLBB, Yuanshan, TIPB, Shuangxi, TIPB, Shuangxi, NDT, Datong Townshi, NDT, Datong Townshi, HGSD, Ruisui, HGSD, Ruisui, NNSB, Datong, NNSB, Datong, NNS, Nan Shan, NNS, Nan Shan, WHF, Hehuan Shan, WHF, Hehuan Shan, WHF, Hehuan Shan, EHY, Hungye, EHY, Hungye, JISG, Ishigakijimahi, JISG, Ishigakijimahi, JISG, Ishigakijimahi, NWLT, Wulai, NWLT, Wulai, NWF, Wu-fen Shan, NWF, Wu-fen Shan, WFSB, Wu-fen Shan, WFSB, Wu-fen Shan, YHNB, Yeheng, YHNB, Yeheng, YULB, Yu-li, YULB, Yu-li, YULB, Yu-li, OWD, Renai, OWD, Renai, OWD, Renai, CHGB, Renai, CHGB, Renai.

Table with columns: CHGB, Sanguang, NSK, Sanguang, NSK, Sanguang, TWF1, Yuli, TWF1, Yuli, TWT, Tachien, TWT, Tachien, VWDT, VWDT, VWDT, VWDT, FULB, Fuli, FULB, Fuli, FULB, Sanguang, SSSLB, Sanguang, SSSLB, Sanguang, WHP, Taichung City, WHP, Taichung City, SMLT, Sun Moon Lake, SMLT, Sun Moon Lake, NSTT, Nanjuang, NSTT, Nanjuang, TYC, Yuchr, TYC, Yuchr, ELDTW, Lidau, ELDTW, Lidau, ELDTW, Lidau, WHYT, Xinyi Township, WHYT, Xinyi Township, WJS, Zhushan, WJS, Zhushan, WJS, Zhushan, CHN5, Tsuling, CHN5, Tsuling, CHN5, Tsuling, STYT, Tायuan, STYT, Tायuan, STYT, Tायuan, TPUB, Ta-pu, TPUB, Ta-pu, TPUB, Ta-pu, CHN4, Tsausan, CHN4, Tsausan, CHN4, Tsausan, WTP, Ta-pu, WTP, Ta-pu, SGST, Jiashan, SGST, Jiashan, CHN1, Nanhai, CHN1, Nanhai, CHN1, Nanhai.

IGQ 23 13:17:52.8±0.5, 3.54S±7.99W±, h12km, MLV3.9, Near coast of Ecuador

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, COHC, Cochancay, COHC, Cochancay, MILO, Milagro-Astudi, MILO, Milagro-Astudi, MORR, Playas El Morr, MORR, Playas El Morr, GONZ, Gonzanam, GONZ, Gonzanam, IGUA, Iguatalla, IGUA, Iguatalla, GMA5, GMA5 station, GMA5, GMA5 station, ARRY, Ararray, ARRY, Ararray, PAT1, Patococha, PAT1, Patococha, BPAT, Tungurahua Vol, BPAT, Tungurahua Vol, BPAT, Tungurahua Vol, BBIL, Ulba Tungurahua, BBIL, Ulba Tungurahua, RETU, Refugio, RETU, Refugio, JU6, Juive, JU6, Juive, MCRA, Macar, Loja, MCRA, Macar, Loja, POND, Ponda, POND, Ponda, BULB, Ulba Tungurahua, BULB, Ulba Tungurahua, RUNS, Runtun, RUNS, Runtun, BRUN, Tungurahua Vol, BRUN, Tungurahua Vol, SALI, Salinas, SALI, Salinas, SAGO, Sagoatoa, SAGO, Sagoatoa, PUYO, Puyo, Santa Ro, PUYO, Puyo, Santa Ro, PISA, Pisayambo, PISA, Pisayambo, ILLI, Illinzas Sur, ILLI, Illinzas Sur, PAST, Pastocalle, PAST, Pastocalle, BMOR, Cotopaxi Volca, BMOR, Cotopaxi Volca, BNAS, Cotopaxi Volca, BNAS, Cotopaxi Volca, BREF, Cotopaxi Volca, BREF, Cotopaxi Volca, NAS2, Nasa, NAS2, Nasa, BTAM, Cotopaxi Volca, BTAM, Cotopaxi Volca, BVC2, Cotopaxi Volca, BVC2, Cotopaxi Volca, VC1, Cotopaxi 1, VC1, Cotopaxi 1, COV1, Cotopaxi Volc, COV1, Cotopaxi Volc, ARDO, Archidona, Ten, ARDO, Archidona, Ten, PITA, Cotopaxi Volc, PITA, Cotopaxi Volc, ANTG, Antisana-Guama, ANTG, Antisana-Guama, ANTS, Antisana-Sarah, ANTS, Antisana-Sarah, ANTI, Antisana, ANTI, Antisana, GGPC, Guagua Pichin, GGPC, Guagua Pichin, PINO, Pinau, PINO, Pinau, YANA, Yana, YANA, Yana, GOLV, Golondrinas, GOLV, Golondrinas, PAC1, Pucio, Paraso, PAC1, Pucio, Paraso, CAUC, Caicocha-Domo, CAUC, Caicocha-Domo.

ISCJB 23 13:23:21.2±0.2, 61.74N±0.02±149.73W±0.05, h66km±3km, mb3.7/18, Error ellipse: s-maj=4.2km s-min=3.6km az=44.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, PMR, Palmer, PMR, Palmer, PMR, Palmer, GHO, Glory Hole Cre, GHO, Glory Hole Cre, PNO, Pinau, PNO, Pinau, YANA, Yana, GOLV, Golondrinas, PAC1, Pucio, Paraso, CAUC, Caicocha-Domo, SML, Sawmill.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SML Knik Glacier, PTE Portage, and various other seismic stations.

HEL 23 13:25:30.5, 0.4, 62.77N, 32.79E, h0km, ML2.2, Explosion
MOS 23 13:25:30.5, 62.83N, 32.90E, M2.1, Industrial explosion
IDC 23 13:25:32.1, 2.5, 62.83N, 32.85E, h0km, mb1 3.2/4, mb1mx2.9/43, mbtmp3.1/4, ML2.4/4, Error ellipse: s-maj=25.9km s-min=10.5km az=121.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JOF Jeensuu, JOF Sumiainen, and others.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSF Maaselka, KEF Keuruu, and others.

ISC 23 14:03:02.4, 2.2, 49.93N, 01.1850E, 0.08, h11km, n5, c031/9, Czech and Slovak Republics
MORC Moravsky Berou 0.62 264 ePg Sg 14 03 147 +0.2
MORC MORC 14 03 22.9 +0.1

ISCJCB 23 14:04:47.7, 0.5, 67.60N, 0.04, 142.2E, 0.1, h10km, mb3.6/1, Error ellipse: s-maj=8.2km s-min=5.7km az=7.9
MOS 23 14:04:47.8, 1.1, 67.63N, 142.32E, h11km, mb3.9/4, Error ellipse: s-maj=36.0km s-min=10.4km az=94.4

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MOMR Moma, YAK Yakutsk, and others.

ISC 23 14:04:48.5, 0.6, 67.60N, 0.03, 142.26E, 0.04, h10km, n20, c2506/30, mb3.5/6, Eastern Siberia
MOMR Moma 1.20 161 eP Sg 14 05 26.5 -0.2
MOMR Moma 1.20 161 eS Sg 14 05 10.9 -0.3

ISC 23 14:20:41.6, 3.9, 9.25S, 127.58E, h0km, mb3.8/1, mb1 3.7/5, mb1mx3.4/36, mbtmp3.6/5, ML3.2/4, Error ellipse: s-maj=53.6km s-min=27.2km az=17.0, Tumor Sea
Code Station Name Azimuth Phase ID Time Res

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BATA Baunata, FITZ Fitzroy Crossi, and others.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RTL Leoncio, RTVC Cerro Valdivia, and others.

IDC 23 14:26:26.6, 12.0, 16.45S, 178.66W, h0km, mb3.6/3, mb1 3.8/3, mb1mx3.5/42, mbtmp3.6/3, Error ellipse: s-maj=389.2km s-min=57.4km az=130.0, Fiji Islands region
Code Station Name Azimuth Phase ID Time Res

IDC 23 14:31:01.2, 0.4, 11.70S, 165.11E, h0km, mb5.3/34, mb1 5.4/37, mb1mx5.3/48, mbtmp5.3/37, ML5.4/3, MS5.0/26, Ms1 5.0/26, ms1mx4.9/31, Error ellipse: s-maj=12.5km s-min=10.6km az=94.0
ISCJCB 23 14:31:03.2, 0.1, 11.74S, 0.02, 164.99E, 0.02, h18km, mb5.4/234, MS5.2/171, Error ellipse: s-maj=3.3km s-min=2.8km az=159.8

ISC 23 14:31:05.0, 0.9, 11.64S, 164.94E, h32km, mb5.6/70, MS5.1/20, Error ellipse: s-maj=7.6km s-min=6.1km az=110.5
NEIC 23 14:31:05.0, 0.1, 11.92S, 165.04E, h13km, Moment Tensor Solution. s20 Moment tensor: Scale 1017Nm; Mr=3.65; Ms=1.60; Mw=2.05; Mm=0.64; Mw=1.73; Mw=0.13; Best double couple: Ms3.700000, 1017 NP1=343.000000, 849.000000, -1.97.000000. NP2=345.000000, 841.000000, -1.81.000000. Principal axes: T 3.6000, Plg4.0000, Azm48.0000; N 0.1200, Plg5.0000, Azm317.0000; P -3.7200, Plg82.0000, Azm172.0000

ISC 23 14:31:03.4, 0.4, 0.8, 11.72S, 165.08E, 0.04, h12km, n4km, n740, 1548/726, ms5.5/240, MS5.2/171, 22C-152, Santa Cruz Islands
Code Station Name Azimuth Phase ID Time Res

ISC 23 14:32:05.0, 0.4, 0.8, 11.72S, 165.08E, 0.04, h12km, n4km, n740, 1548/726, ms5.5/240, MS5.2/171, 22C-152, Santa Cruz Islands
Code Station Name Azimuth Phase ID Time Res

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MANU Manus Island, MTSU Mount Surpise, and others.



23d 14h

Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like URZ, MILA, BKZ, STKA, etc.

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Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like TBI, TBI, BNSI, etc.

1716

Table with columns for station call letters, station name, frequency, and other technical details. Includes stations like TEY, TEY, MYKOM, etc.





Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

Table with columns: Code, Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy.

23d 14h

Table with columns for station name, frequency, and signal strength. Includes stations like Sammamatusuo, Nagara, Yasato, Oshima 3, etc.

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Table with columns for YAK, frequency, and signal strength. Includes stations like WAKE ISLAND Hy, WAKE ISLAND Hy, etc.

1720

Table with columns for station name, frequency, and signal strength. Includes stations like Karatay Array, Karatay Array, etc.

Table with columns for Code, Station Name, Azimuth, Phase ID, Time, and Residual. Includes stations like Mont Dzumac, Warramunga Arr, etc.

0.3nm,0.8s,baz=84,slow=6.4,SNR=2.0
YKA Yellowknife Arr 95.78 27 P
0.2nm,0.7s,baz=264,slow=4.8,SNR=2.2

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes NNC 23 14:43:58.3.5.1, 37.05N-70.64E, h0km, mb3.8, mpv3.4, 4C-4D, Error ellipse: s-maj=40.7km s-min=35.7km az=143.0, Afghanistan-Tajikistan border region.

IDC 23 14:45:44.7,0.6,11.75Sx165.23E,h0km,mb4.7/19,
mb1 4.9/21,mb1mx4.7/39,mbtmp4.7/21,ML4.7/2,MS4.0/1,
MS1 4.0/1,ms1mx3.1/36, Error ellipse: s-maj=19.3km
s-min=14.4km az=124.0
NEIC 23 14:45:46.7,0.2,11.71Sx165.15E,h10km,mb5.0/33, Error
ellipse: s-maj=5.8km s-min=4.4km az=111.0
BJJ 23 14:45:47.0,1.110Sx165.59E,h15km,mb5.3/25,mb4.9/41,
MS5.1/8,MS7 4.8km
ISCJB 23 14:45:48.7,0.2,11.82Sx165.03E,0.104,h33km,
mb4.8/57, Error ellipse: s-maj=5.6km s-min=5.0km
az=167.3

ISC 23 14:45:50.5,0.4,11.81Sx166.165,09E,0.07,h35km,n130,
o599/142,mb4.9/57,2D,Santa Cruz Islands

Main table for station 1721 with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Honiara, Mare, Loyalty, Mont Dzumac, etc.

Main table for station 2013 FEB with columns: LZH, comp=Z, 2.6nm,1.0s, pmax, pmax. Includes stations like Gambell, South Pole Qui, Ulanbator, etc.

Table for station 23d 15h with columns: PDAR, S22A, MNTX, YKA, etc. Includes stations like Pinedale Array, 4UR Ranch, Corudas Mount, etc.

IDC 23 14:53:07.7,1.5,2.55N-121.96E,h0km,mb3.6/4,
mb1 3.9/4,mb1mx3.6/43,mbtmp3.6/4,MS1 4.1/1,
ms1mx3.3/35, Error ellipse: s-maj=101.5km
s-min=26.8km az=68.0, Celebes Sea

Table for station 23d 15h with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Fitzroy Crossi, Warramunga Arr, etc.

IDC 23 15:09:42.6,1.0,10.69Sx165.52E,h0km,mb3.9/10,
mb1 4.1/12,mb1mx3.9/39,mbtmp4.1/12,ML4.6/2, Error
ellipse: s-maj=24.6km s-min=18.3km az=68.0
NEIC 23 15:09:44.5,0.8,10.68Sx165.54E,h10km,mb4.0/1, Error
ellipse: s-maj=16.8km s-min=12.7km az=59.0
ISCJB 23 15:09:45.7,0.8,10.79Sx165.07E,0.09,h31km,
mb3.9/10, Error ellipse: s-maj=14.2km
s-min=11.8km az=7.1

ISC 23 15:09:47.4,0.9,10.70Sx165.6E,0.1,h31km,n21,
-1819/19,mb3.9/10,Santa Cruz Islands

Main table for station 23d 15h with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Honiara, Mare, Loyalty, etc.

IDC 23 15:14:55.1,1.8,11.78Sx165.28E,h0km,mb3.6/3,
mb1 3.9/4,mb1mx3.6/40,mbtmp3.7/4,ML3.9/1, Error
ellipse: s-maj=51.5km s-min=32.6km az=129.0, Santa
Cruz Islands

Table for station 23d 15h with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Mont Dzumac, Warramunga Arr, etc.

IDC 23 15:16:35.4,1.2,11.78Sx165.28E,h0km,mb4.0/8,
mb1 4.2/10,mb1mx4.0/41,mbtmp4.0/10,ML4.2/2, Error
ellipse: s-maj=35.8km s-min=21.1km az=128.0
ISCJB 23 15:16:39.1,0.8,11.84Sx165.10E,0.10,h33km,
mb3.9/7, Error ellipse: s-maj=16.3km s-min=11.0km
az=1.3

ISC 23 15:16:40.9,0.9,11.8Sx165.2E,0.1,h35km,n10,
o571/11,mb3.9/7,Santa Cruz Islands

Main table for station 23d 15h with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC. Includes stations like Honiara, Mare, Loyalty, etc.



23d 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like DZM, WRA, ASAR, ILAR.

ADC 23 15:30:51.7z 1.2, 36.70N:5.68E, h0km, mb3.2/4, mb1 3.4/5, mb1mx3.2/37, mbtmp3.4/5, ML4.0/1, Error ellipse: s-maj=26.8km s-min=17.2km az=21.0

CRAAG 23 15:30:51.9, 36.84N:5.23E, M3.6 MDD 23 15:30:54.4-0.5, 36.76N:5.15E, h0km, mb4.3/11, Error ellipse: s-maj=9.9km s-min=4.5km az=55.0, PRXIMO LDG 23 15:30:55.7z 0.2, 36.68N:5.22E, h25km, ML3.4/9, Error ellipse: s-maj=5.5km s-min=4.2km az=50.0

ISC 23 15:30:53.0z 0.7, 36.84N:0.42E:0.04, h10km, n61, zc50/81, mb3.3/4, Northern Algeria

Main table for 23d 16h section, listing various stations and their parameters.

ADC 23 15:40:51.8z 1.3, 32.75N:178.31W, h0km, mb3.4/2, mb1 3.7/4, mb1mx3.6/30, mbtmp3.5/3, ML3.4/1, Error ellipse: s-maj=74.7km s-min=46.0km az=121.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like URZ, Urewera.

2013 FEB

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like ASAR, WRA, FINES.

ADC 23 15:59:25.1z 1.9, 7.49S:122.66E, h0km, mb3.4/1, mb1 3.6/3, mb1mx3.3/33, mbtmp3.4/3, ML2.7/2, Error ellipse: s-maj=301.6km s-min=28.4km az=56.0, Flores

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like WRA, ASAR, MKAR.

ADC 23 16:01:19.4z 1.8, 46.95N:153.33E, h0km, mb3.5/3, mb1 3.7/4, mb1mx3.3/45, mbtmp3.4/4, ML1.8/1, Error ellipse: s-maj=127.0km s-min=26.4km az=121.0, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like PETK, H1N1, H1N3, H1S1, H1S3, H1S2, WRA, ASAR, TXAR.

ADC 23 16:29:51.3z 2.0, 3.35N:126.32E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.4/35, mbtmp3.6/4, Error ellipse: s-maj=177.6km s-min=25.6km az=65.0, Talaud Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like WRA, ASAR, STKA, MKAR.

ADC 23 16:31:23.6z 1.5, 11.17S:165.00E, h0km, mb3.7/5, mb1 3.9/6, mb1mx3.7/34, mbtmp3.8/6, ML3.3/1, Error ellipse: s-maj=46.4km s-min=28.2km az=117.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like DZM, H1S2, H1S3, H1S1, WRA, ASAR, SONM, ILAR, MKAR.

NEIC 23 16:34:22.9z 0.0, 17.07N:99.99W, h31km, MD4.0(MEX), After MEX. MEX 23 16:34:23.0z 0.8, 17.07N:99.99W, h31km, 7km, MD4.0,

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like ACP2, CAIG, EI Cayaco, MEIG, ARIG, ARIG, PLIG, PLIG, ZIIG, ZIIG, YIAG, YIAG, PPM, PPM.

DDA 23 16:45:47.7, 38.94N:43.55E, h16km, ML2.5, ISK 23 16:45:47.4, 38.92N:43.53E, h18km, 1km, ML2.0/3, ISCBJ 23 16:45:48.6z 0.7, 38.93N:0.04:43.56E:0.06, h12km, 5km, Error ellipse: s-maj=7.6km s-min=6.1km az=26.2

ISC 23 16:47:6.0z 0.9, 38.95N:0.05:43.53E:0.04, h17km, 6km, n9, o056/16, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like VMUR, ERCV, CLDR, CLDR, CLDR, TVAN, TVAN, ADCV, ADCV, ADCV, TUTA, TUTA, TUTA, AGRB.

1722

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like AKDM, ISCBJ, IDC, NEIC.

ISC 23 16:49:20.8z 0.5, 52.3N:0.1:176.14W:0.08, h200km, mb3.5/9, Error ellipse: s-maj=15.1km s-min=7.0km az=174.8

IDC 23 16:49:24.0z 0.1, 52.49N:176.30W, h200km, 9km, mb3.3/9, mb1 3.5/11, mb1mx3.2/48, mbtmp3.8/11, MS3.1/1, MS1 3.1/1, ms1mx2.6/31, Error ellipse: s-maj=21.0km s-min=10.1km az=169.0

NEIC 23 16:49:23.6z 0.0, 53.24N:176.57W, h56km, ML3.7(AEIC), After AEIC. ISC 23 16:49:22.4z 0.7, 52.3N:0.1:176.15W:0.07, h200km, n23, zc23/27, mb3.6/9, Andreanof Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like GSIG, ADK, ADK, KIW, KOWF, KOFF, MREP, MSW, UNV, KDKA, KDKA, PETK, BILL, ILAR, SEY, MA2, MA2, YKA, YKA, YKA, MJAR, PDAR, PDAR, TXAR, MKAR, MKAR, WRA, ASAR.

TIF 23 16:53:26.9, 40.36N:42.28E, h14km, 1km, ISK 23 16:53:27.9, 40.41N:42.29E, h5km, ML3.4/11, NSSP 23 16:53:27.3, 40.48N:42.33E, h10km, Ms3.2, DDA 23 16:53:28.3, 40.41N:42.33E, h8km, 1km, ML3.5

ISC 23 16:53:28.5z 0.9, 40.40N:0.02:42.32E:0.02, h11km, 7km, n60, i124/78, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like SENK, SENK, HOMI, HOMI, KOPR, KOPR, DDEM, DDEM, DAGI, DAGI, DAGI, DBAD, DBAD, DIGO, DIGO, ARTV, ARTV, ARTV, AGRB, EAK, EAK, DBOC, DBOC, DBOC, TUTA, TUTA, TUTA, EPOS, EPOS, BCA, GMRZ, GMRZ, MLAZ, BATM, BGD, BGD, BGD, ECAT, DYDN, DYDN, DYDN, CHAY, VRTB, VRTB, VRTB, IGD1, IGD1, IGD1, KOPT, KOPT, KOPT, TASS, TASS, TASS, ADCV, ADCV, ADCV, BAYT, STEZ, STEZ, CLDR, CLDR, CLDR.

ISC 23 16:53:28.5z 0.9, 40.40N:0.02:42.32E:0.02, h11km, 7km, n60, i124/78, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, h m s ISC. Includes stations like SENK, SENK, HOMI, HOMI, KOPR, KOPR, DDEM, DDEM, DAGI, DAGI, DAGI, DBAD, DBAD, DIGO, DIGO, ARTV, ARTV, ARTV, AGRB, EAK, EAK, DBOC, DBOC, DBOC, TUTA, TUTA, TUTA, EPOS, EPOS, BCA, GMRZ, GMRZ, MLAZ, BATM, BGD, BGD, BGD, ECAT, DYDN, DYDN, DYDN, CHAY, VRTB, VRTB, VRTB, IGD1, IGD1, IGD1, KOPT, KOPT, KOPT, TASS, TASS, TASS, ADCV, ADCV, ADCV, BAYT, STEZ, STEZ, CLDR, CLDR, CLDR.



23d 17h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like K02D Willamette Mer, G05D Wamic, OR, I04A Tendick Farm, etc.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like baz=301,SNR=15, BOZ Bozeman (W), BOZ Bozeman (W), etc.

1724

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like SHOC Shoshone, Teco, GSC Goldstone, Bar, GSC Goldstone, Bar, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like N23A Red Feather La, PHWV Pilot Hill, PV15 Paradox Valley, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like CBKS Cedar Bluff, CBKS Cedar Bluff, KNTN Kanton, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like F44A Big Bay de Noc, L40A Anamosa, L40A Anamosa, etc.

23d 17h

Table with columns: ID, Name, Frequency, Power, Mode, and other parameters. Includes entries like R42A Luebbering, SCHO Schefferville, SCHO Schefferville, etc.

2013 FEB

Table with columns: ID, Name, Frequency, Power, Mode, and other parameters. Includes entries like IVI baz=314,SNR=52, BUKO Buck Lake, AAM Ann Arbor, etc.

1726

Table with columns: ID, Name, Frequency, Power, Mode, and other parameters. Includes entries like DELO Deloro Mine, S47A Hartford, WLVO Westville, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like W48A Pulaski, VBMS Vicksburg, KLMR Klimovskoe, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like 149A Jones, Z50A Ashland, V53A Saluda, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like JSC Jenkinsville, NC602 NORSTAR Array S, etc.



Table of astronomical observations for 23d 17h, listing stations like CHGR, DMNR, VSR, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2013 FEB, listing stations like GERES, GEAR, SEKA, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 1728, listing stations like TSUM, LBTB, LBTB, etc., with columns for station name, coordinates, and observation details.





Table with columns: ZALV, ZALV, ZAA1, KSR5, ZALV, ZALV, ZAA1, KSR5. Includes station names like Zalesovo Beam, Korea Array, and technical details like 80.73 8 eP, 80.73 8 P, 80.73 8 eP, 82.55 42 LR.

IDC 23 20:19:44.34.7.1.1, 38.46N:144.89E, h0km, mb3.5/5, mb1 3.8/8, mb1mx3.5/35, mbmtmp3.7/8, ML3.4/3, MS3.3/1, Ms1 3.3/1, ms1mx2.3/35, Error ellipse: s-maj=30.6km s-min=19.9km az=99.0

ISCJB 23 20:14:38.6.0.7.38.71N:0.04:144.48E:0.07, h29km, mb3.5/5, MS3.1/1, Error ellipse: s-maj=6.3km s-min=4.2km az=43.6

JMA 23 19:44:40.4.0.2.0.38.66N:144.40E, h46km, M3.9, ISC 23 19:44:39.3.1.0.38.66N:0.05:144.59E:0.07, h29km, n32, e150/51, mb3.5/5, Off east coast of Honshu

Main table for station 1731 with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists stations like OFUJ, OFUNATO, MIYJ, MIYAKONAGASAWA, etc.

IDC 23 20:06:09.2.2.8.43.28N:105.01W, h0km, mb2.6/1, mb1 3.2/3, mb1mx3.0/43, mbmtmp3.0/3, ML1.6/1, MS3.1/1, Ms1 3.0/1, ms1mx2.6/4, Error ellipse: s-maj=53.7km s-min=10.5km az=154.0

ISCJB 23 20:06:12.7.0.5.43.57N:105.19W:0.06, h0km, Error ellipse: s-maj=7.2km s-min=5.7km az=41.5

NEIC 23 20:06:14.0.0.7.43.57N:105.14W, h0km, ML3.2, Error ellipse: s-maj=9.7km s-min=8.4km az=34.0, Suspected Mining explosion.

NEIC 85 km [53 miles] E of Midwest, ISC 23 20:06:12.1.0.9.43.55N:105.10W:0.06, h0km, n37, e149/34, Wyoming

Main table for station 1732 with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists stations like RSSD, K22A, PHWY, etc.

IDC 23 20:08:17.0.0.0.15.79S:71.85W, h20km, AIC 23 20:08:24.0.0.6.16.01S:71.67W, h61km, mb4.4/7, ML4.7(A), Error ellipse: s-maj=8.2km s-min=5.7km az=67.0

NEIC Felt [III] at Maca and [II] at Madral and Huambo, ISCJB 23 20:08:25.4.0.4.16.08S:0.04:71.67W:0.08, h100km, mb4.1/1.1, Error ellipse: s-maj=11.6km s-min=4.4km az=166.6

IDC 23 20:08:27.0.2.3.15.62S:71.52W, h72km, 20km, mb3.8/8,

mb1 3.9/12, mb1mx3.8/34, mbtmp4.1/12, MS3.6/12, Ms1 3.6/12, ms1mx3.4/31, Error ellipse: s-maj=23.6km s-min=16.5km az=37.0

ISC 23 20:08:26.9.0.6.16.03S:0.06:71.69W:0.09, h100km, n44, e178/44, mb4.1/1.1, Southern Peru

Main table for station 1733 with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists stations like LPAZ, LPAZ, MNMC, PB11, etc.

IDC 23 20:19:01.9.1.1.11.65S:165.12E, h0km, mb3.8/6, mb1 4.0/7, mb1mx3.7/38, mbmtmp3.7/7, ML3.5/1, Error ellipse: s-maj=43.9km s-min=24.9km az=136.0

ISCJB 23 20:19:05.3.0.8.1.1.9S:165.1E:0.2, h34km, mb3.7/6, Error ellipse: s-maj=25.4km s-min=18.4km az=17.9

ISC 23 20:19:07.0.1.1.11.7S:0.1:165.1E:0.2, h34km, n7, e057/77, mb3.6/6, Santa Cruz Islands

Main table for station 1734 with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists stations like DZM, DZM, ASAR, ILAR, etc.

IDC 23 20:26:37.6.29.0.21.92S:173.23W, h0km, mb4.0/4, mb1 4.1/4, mb1mx3.8/33, mbtmp4.0/4, Error ellipse: s-maj=53.0km s-min=17.1km az=75.0, Tonga Islands

Main table for station 1735 with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists stations like CTA, CTA, STKA, ASAR, etc.

ISK 23 20:35:58.8.36.37N:28.99E, h21km, ML3.4/29, ATH 23 20:35:58.5.36.38N:29.02E, h40km, 1km, ML3.0/3, Error ellipse: s-maj=2.6km s-min=0.9km az=162.0

DDA 23 20:35:58.2.36.39N:29.00E, h37km, ML3.6, THE 23 20:36:00.1.36.40N:29.10E, h21km, ML3.1/1, Error ellipse: s-maj=1.5km s-min=0.6km az=347.0

NIC 23 20:36:00.5.0.2.36.19N:29.22E, h17km, ML3.2, HLW 23 20:36:13.2.35.19N:28.95E, h25km, 31km, M3.8, M3.6, ISC 23 20:35:58.5.1.1.36.36N:0.02:29.05E:0.02, h17km, 8km, n101, e099/125, Turkey

Main table for station 1736 with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists stations like FETY, FETHIYE, etc.

Main table for station 1737 with columns: Code, Station Name, Az, Az, Phase ID, Time, Res, ISC. Lists stations like FETY, FETHIYE, AKAS, etc.









Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for BDFB Brasilia, SDV Santo Domingo, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for IDC 23 21:05:33.2, LPAZ La Paz, NNA Nana, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for SJA 23 21:07:22.4, GUC 23 21:07:37.3, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for IDC 23 21:18:23.9, ISCB 23 21:18:26.9, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for IGQ 23 21:19:27.0, MORR Playas El Morr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for YANA Yana, GACI Galondrias, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for ISCB 23 21:24:06.5, HNR Honiara, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for PGC 23 21:29:11.2, IDC 23 21:29:16.8, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for KEMF NEPTUNE Canada, NCR8 ODP889, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for DZM Mont Dzumac, CTA Charters Tower, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for ISCB 23 21:29:15.7, YKA Yellowknife Arr, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for PLCA Paso Flores, SUR Sutherland, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for MEX 23 21:40:50.1, PCIG Comitan, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for TIR 23 21:52:48.1, IDC 23 21:52:47.3, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for IDC 23 21:56:38.1, HNR Honiara, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for IDC 23 21:58:29.4, URZ Urewera, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes entries for ISCB 23 22:00:44.3, NEIC 23 22:00:44.0, etc.



Y49A Edmonton baz=251	4.33 69 P	Pn	22 29 44.5 +1.6	baz=240	R51A Hillsboro baz=246,SNR=16	6.20 63 P	Pn	22 30 10.5 +1.9	baz=236	O53A New Philadelph	8.71 55 P	Pn	22 30 43.9 +0.8
Y50A Piedmont baz=295	4.35 112 P	Pn	22 29 44.1 +0.9	Z53A Monticello baz=294	6.25 110 P	Pn	22 30 10.5 +1.3	K48A Perry baz=297	8.73 33 P	Pn	22 30 43.7 +0.3		
149A Jones baz=315	4.36 133 P	Pn	22 29 43.9 +0.5	GOGA Godfrey 25nm,0.5s	6.28 109 ePn	Pn	22 30 17.1 +7.5	Z57A Skidaway Islan	8.75 112 P	Pn	22 30 45.0 +1.5		
V50A Pikeville baz=271,SNR=33	4.46 88 P	Pn	22 29 45.9 +1.1	GOGA Godfrey baz=293	6.28 109 P	Pn	22 30 10.4 +0.7	R55A Marlinton baz=297	8.78 69 P	Pn	22 30 46.4 +2.4		
O41A Passleys Farm, baz=11	4.48 357 P	Pn	22 29 46.8 +1.8	352A Blakely baz=313	6.28 130 P	Pn	22 30 10.5 +0.8	J47A Summer baz=212	8.80 29 P	Pn	22 30 45.5 +1.3		
P45A Graceland, Par P45A Graceland, Par baz=210	4.49 29 ePn 4.49 29 P	Pn	22 29 46.9 +1.7 22 29 46.3 +1.1	O48A Farmland baz=224	6.29 41 P	Pn	22 30 10.3 +0.3	L50A Kingsville baz=226	8.81 41 P	Pn	22 30 45.9 +1.5		
Z50A Ashland Z50A Ashland baz=303,SNR=22	4.52 120 ePn 4.52 120 P	Pn	22 29 46.9 +1.3 22 29 46.4 +0.8	T52A Hallie baz=259	6.30 74 P	Pn	22 30 11.3 +1.3	H40A Chille baz=181	8.98 1 P	Pn	22 30 48.4 +1.7		
O42A Bath baz=185	4.57 5 P	Pn	22 29 48.2 +2.0	V53A Saluda V53A Saluda baz=272,SNR=23	6.32 87 ePn 6.32 87 P	Pn	22 30 11.0 +1.6 22 30 11.6 +1.3	H42A Shiocton baz=190	9.00 9 P	Pn	22 30 49.1 +2.1		
Z49A Camden baz=323	4.65 141 P	Pn	22 29 48.4 +1.1	L42A Oliver, Polo L42A Oliver, Polo baz=186	6.40 6 ePn 6.40 6 P	Pn	22 30 15.3 +4.0 22 30 12.3 +1.0	K49A Clarkson baz=220	9.02 36 P	Pn	22 30 48.0 +0.6		
R48A Northridge Ran baz=235	4.67 52 P	Pn	22 29 48.8 +1.2	L41A Preston baz=180,SNR=9.0	6.43 1 P	Pn	22 30 13.7 +1.9	H43A Windswept, Lux baz=194	9.08 13 P	Pn	22 30 49.8 +1.7		
Q47A Beclord North L baz=226	4.67 44 P	Pn	22 29 49.1 +1.5	L40A Anamosa L40A Anamosa baz=175	6.44 356 ePn 6.44 356 P	Pn	22 30 13.3 +1.5 22 30 13.4 +1.5	AMTX Amarillo baz=82	9.11 268 ePn 9.11 268 P	Pn	22 30 50.5 +1.8 22 30 49.8 +1.1		
U50A Jamestown baz=262	4.71 79 P	Pn	22 29 49.6 +1.3	N47A Urbana baz=175	6.49 35 P	Pn	22 30 12.5 -0.1	H38A Maiden Rock baz=17	9.12 352 P	Pn	22 30 50.7 +2.0		
O43A Sugar Creek Fa baz=192	4.75 12 P	Pn	22 29 50.6 +1.9	U53A Fall Branch baz=266	6.53 81 P	Pn	22 30 13.7 +0.5	I46A Reed City baz=207	9.18 24 P	Pn	22 30 49.0 -0.5		
S49A Springfield baz=244	4.76 62 P	Pn	22 29 49.9 +1.1	L39A Vinton baz=170	6.57 351 P	Pn	22 30 15.0 +1.3	N53A Lisbon baz=239	9.24 53 P	Pn	22 30 51.6 +1.3		
W51A Cleveland baz=277	4.78 94 P	Pn	22 29 50.2 +1.1	SCIA State Center SCIA State Center baz=161	6.59 343 ePn 6.59 343 P	Pn	22 30 16.7 +2.7 22 30 15.6 +1.6	O54A Avella baz=244	9.25 58 P	Pn	22 30 50.9 +0.4		
BLO Bloomington P46A Rosedale baz=215	4.79 33 ePn 4.79 33 P	Pn	22 29 51.6 +2.4 22 29 50.8 +1.6	T53A Wise baz=290	6.63 76 P	Pn	22 30 15.2 +0.5	X58A Rowland baz=220	9.27 93 P	Pn	22 30 51.4 +0.6		
O44A Mansfield baz=201	4.81 20 P	Pn	22 29 51.1 +1.6	Q51A Peebles P50A Jamestown baz=235	6.68 57 ePn 6.68 52 P	Pn	22 30 20.7 +5.5 22 30 15.9 +0.6	JCT Junction City JCT Junction City baz=54	9.32 48 ePn 9.29 239 P	Pn	22 30 55.0 +3.9 22 30 51.6 +0.5		
X51A Calhoun X51A Calhoun baz=284	4.81 101 ePn 4.81 101 P	Pn	22 29 51.0 +1.5 22 29 50.4 +0.9	O49A Covington WMOK Wichita Mounta WMOK Wichita Mounta baz=80	6.71 46 ePb 6.78 255 ePn 6.78 255 P	Pb	22 30 36.4 +2.3 22 30 18.5 +2.0 22 30 17.8 +1.2	ECS5D EROS Data Cent ECS5D EROS Data Cent baz=148	9.33 332 ePn 9.33 332 P	Pn	22 30 53.5 +1.9 22 30 52.8 +1.3		
T50A Nancy baz=255	4.83 72 P	Pn	22 29 51.2 +1.3	WHTX Lake Whitney, WHTX Lake Whitney, baz=59	6.78 240 ePn 6.78 240 P	Pn	22 30 17.7 +1.1 22 30 17.6 +1.0	P55A Ridgesville baz=249	9.37 62 P	Pn	22 30 52.5 +0.4		
150A Eclectic baz=310	4.84 127 P	Pn	22 29 51.4 +1.5	N48A Decatur baz=221	6.80 38 P	Pn	22 30 16.3 -0.6	G38A Riedglan baz=174	9.57 355 P	Pn	22 30 56.6 +1.7		
Y51A Rockmart baz=292	4.86 109 P	Pn	22 29 51.1 +0.9	X54A Belton baz=292	6.81 97 P	Pn	22 30 18.1 +1.0	I47A Gladwin baz=211	9.58 27 P	Pn	22 30 55.1 +0.1		
CPCT Cooper Cave HDIL Hopedale HDIL Hopedale baz=317	4.94 90 ePn 5.01 11 ePn 5.01 11 P	Pn	22 29 53.4 +2.1 22 29 56.0 +3.7 22 29 53.5 +1.2	W54A Cherokee Point baz=277	6.88 92 P	Pn	22 30 19.2 +1.3	J49A Marlette baz=219	9.62 34 P	Pn	22 30 56.3 +0.8		
Z51A Franklin baz=299	5.03 116 P	Pn	22 29 53.8 +1.3	154A Montrose K41A Shullsburg baz=182	6.89 114 ePb 6.96 2 P	Pb	22 30 49.8 +3.7 22 30 20.7 +1.6	G40A Rib Lake G40A Rib Lake baz=182	9.63 2 ePn 9.63 2 P	Pn	22 30 58.5 +2.9 22 30 57.1 +1.4		
N41A Harden Midland N41A Harden Midland baz=177,SNR=24	5.07 358 ePn 5.07 358 P	Pn	22 29 54.6 +1.5 22 29 54.4 +1.3	V54A Nebo baz=271	7.02 86 P	Pn	22 30 20.8 +0.8	M53A WI Miller and Waz=220	9.68 50 P	Pn	22 30 57.7 +1.8 22 30 57.2 +0.9		
V51A Loudon baz=270	5.07 86 ePn 5.07 86 P	Pn	22 29 55.1 +2.0 22 29 54.7 +1.6	K40A Colesburg baz=176	7.07 357 P	Pn	22 30 22.9 +2.4	G42A Monticello G42A Monticello baz=190	9.73 9 ePn 9.73 9 P	Pn	22 30 59.8 +2.7 22 30 57.9 +0.8		
Q48A North Vernon baz=291	5.07 48 P	Pn	22 29 54.4 +1.3	453A Whigham S53A Williamson baz=256	7.09 131 ePb 7.09 71 P	Pb	22 30 43.4 +2.9 22 30 19.9 +1.0	H46A Fire Lake baz=205	9.80 23 P	Pn	22 30 59.3 +1.4		
R49A Shelbyville baz=240,SNR=20	5.08 57 P	Pn	22 29 54.7 +1.5	P51A Williamsport O50A Cable baz=293	7.10 55 ePb 7.11 49 P	Pb	22 30 42.5 +1.9 22 30 21.6 +0.5	757A Oxford baz=315	9.82 130 P	Pn	22 30 58.6 +0.4		
250A Grady 250A Grady baz=317	5.12 134 ePn 5.12 134 P	Pn	22 29 59.7 +5.9 22 29 54.9 +1.2	K39A Delwein baz=171	7.13 352 P	Pn	22 30 22.5 +1.1	G43A Wallace G43A Wallace baz=184	9.86 12 ePn 9.86 12 P	Pn	22 30 59.3 +0.5 22 30 59.1 +0.3		
349A Repton baz=328	5.12 146 P	Pn	22 29 54.5 +0.6	L46A Eue Claire baz=225	7.19 26 P	Pn	22 30 23.2 +1.0	X59A McDuffie Farm, baz=280	9.87 93 P	Pn	22 30 50.6 +1.7		
O45A Potomac baz=207	5.13 25 P	Pn	22 29 55.3 +1.4	K42A Prairie Point, baz=188	7.20 7 P	Pn	22 30 23.7 +1.4	N54A Moraine State baz=24	9.87 54 P	Pn	22 31 00.6 +1.6		
P47A Martinsville baz=223,SNR=27	5.15 40 P	Pn	22 29 55.3 +1.1	PAUL Pauline K44A Burlington JFWJ Jewell Farm JFWJ Jewell Farm baz=182	7.22 94 ePn 7.27 13 ePb 7.27 2 ePn 7.27 2 P	Pn	22 30 24.8 +2.2 22 30 15.8 +2.2 22 30 25.4 +2.1 22 30 24.9 +1.6	O55A Ligonier baz=246	10.01 60 P	Pn	22 31 02.3 +1.5		
NATX Nacogdoches NATX Nacogdoches baz=48	5.15 223 ePn 5.15 223 P	Pn	22 29 58.8 +4.5 22 29 56.0 +1.8	N49A Columbus Grove N49A Columbus Grove baz=225	7.29 42 ePn 7.29 42 P	Pn	22 30 26.6 +3.0 22 30 25.3 +1.7	G45A Suttons Bay baz=203	10.11 20 P	Pn	22 31 03.7 +1.5		
N42A Yates City baz=185	5.20 5 P	Pn	22 29 57.2 +2.4	155A Kite baz=296	7.37 112 P	Pn	22 30 24.6 0.0	F41A Three Lakes F41A Three Lakes baz=187	10.15 6 ePn 10.15 6 P	Pn	22 31 03.7 +0.9 22 31 03.7 +0.9		
448A Bay Minette baz=335	5.21 153 P	Pn	22 29 56.3 +1.2	T54A Tazewell baz=261	7.40 76 P	Pn	22 30 25.9 +0.7	MSTX Muleshoe MSTX Muleshoe baz=7	10.16 264 ePn 10.16 264 P	Pn	22 31 07.8 +4.6 22 31 07.3 +1.0		
N40A Mertsquake, Sal baz=171	5.30 352 P	Pn	22 29 58.0 +1.8	Q52A Bidwell baz=246	7.41 61 P	Pn	22 30 26.9 +1.7	KSC0 Kaye Shedlock' KSC0 Kaye Shedlock' baz=106	10.17 293 ePn 10.17 293 P	Pn	22 31 04.3 +1.1 22 31 04.2 0.0		
BRAL Brewton BRAL Brewton baz=328	5.34 146 ePb 5.34 146 P	Pb	22 29 14.1 +3.3 22 29 58.2 +1.4	M48A Edgerton baz=220	7.43 36 P	Pn	22 30 27.6 +2.2	H47A Mio baz=210	10.19 27 P	Pn	22 31 03.3 0.0		
151A Opekika baz=307	5.35 124 P	Pn	22 29 58.5 +1.6	X55A Gracelyn & Ava baz=282	7.43 96 P	Pn	22 30 26.7 +1.3	GLMI Grayling baz=208	10.24 25 P	Pn	22 31 04.3 +0.3		
S50A Richmond baz=249	5.37 66 P	Pn	22 29 59.4 +2.2	KMSC Kings Mountain KMSC Kings Mountain baz=176	7.57 91 ePn 7.57 91 P	Pn	22 30 28.2 +0.8 22 30 28.2 +0.8	F39A Loretta baz=178	10.27 359 P	Pn	22 31 06.2 +1.8		
U51A La Follette baz=264	5.37 80 P	Pn	22 29 59.3 +2.0	435B Jarrell 435B Jarrell baz=49	7.61 232 ePn 7.61 232 P	Pn	22 30 33.3 +5.3 22 30 29.0 +1.0	M54A Oil Creek Stat baz=239	10.28 2 P	Pn	22 31 06.5 +1.9		
N43A Stutzman Famil baz=192	5.41 11 P	Pn	22 29 59.5 +1.8	V55A Taylorsville baz=221	7.62 86 P	Pn	22 30 29.1 +1.0	F38A Pierce - Schro baz=174	10.36 355 P	Pn	22 31 07.5 +1.8		
W52A Murphy W52A Murphy baz=278	5.46 94 ePn 5.46 94 P	Pn	22 29 59.7 +1.2 22 29 59.6 +1.2	255A Hazlehurst baz=301	7.69 116 P	Pn	22 30 28.7 -0.4	ELFO Elginfield baz=226	10.40 41 P	Pn	22 31 06.6 +0.4		
SFIN Lafayette SFIN Lafayette baz=211	5.50 139 P 5.47 29 P	Pn	22 30 12.4 -0.6 22 30 00.4 +1.7	J41A Loganville baz=183	7.73 3 P	Pn	22 30 31.7 +2.0	OGNE Ogallala baz=117	10.44 304 P	Pn	22 31 07.8 +0.9		
350A Dozier baz=321	5.50 139 P	Pn	22 30 00.1 +1.1	J39A Decatur baz=173	7.74 354 P	Pn	22 30 30.9 +1.2	833A Chaparral WMA, baz=44	10.45 228 P	Pn	22 31 08.4 +1.6		
N44A Piper City baz=201	5.50 20 P	Pn	22 30 00.6 +1.6	355A Pearson baz=306	7.74 121 P	Pn	22 30 30.1 +0.3	R58B Mineral baz=241	10.45 73 P	Pn	22 31 07.9 +1.1		
T51A Gray baz=258,SNR=11	5.52 74 P	Pn	22 30 00.1 +0.8	O51A Pataskala baz=237	7.75 52 P	Pn	22 30 31.2 +1.4	N55A Marion Center baz=244	10.46 57 P	Pn	22 31 08.5 +1.4		
TKL Tuckaleechee C TKL Tuckaleechee C 3.3nm,0.3s,baz=266,slow=11,SNR=35	5.54 88 ePn 5.54 88 P	Pn	22 30 01.4 +1.8 22 30 01.2 -0.3 22 30 01.0 +1.4	J40A Soldiers Grove Lg	7.75 359 P	Pn	22 30 31.2 +1.3	F43A Flat Rock, Esc baz=248	10.51 13 P	Pn	22 31 08.0 +0.4		
TKL 8.0nm,0.3s,baz=260,slow=12,SNR=2.9		Lg	22 31 02.5 -0.3	J42A Columbus baz=189	7.75 8 P	Pn	22 30 31.8 +1.9	COWI Conover O56A Blue Knob Stat baz=248	10.51 6 ePn 10.55 60 P	Pn	22 31 11.7 +3.9 22 31 09.1 +0.8		
TKL 9.2nm,0.3s,baz=104,slow=12,SNR=0.7		Lg	22 31 24.4	U55A T2, Sparta baz=266	7.77 81 P	Pn	22 30 30.6 +0.4	G46A Petoskey baz=206	10.60 22 P	Pn	22 31 08.6 -0.3		
251A Midway baz=311	5.57 128 P	Pn	22 30 01.1 +1.2	N50A Nevada baz=291	7.78 47 P	Pn	22 30 31.3 +1.1	E39A Mellen baz=180	10.72 0 P	Pn	22 31 12.2 +1.5		
X52A Dahlonoga baz=262	5.57 99 P	Pn	22 30 01.1 +1.1	M49A Liberty Center baz=223	7.79 40 P	Pn	22 30 32.3 +1.9	F45A CMU Biological baz=202	10.74 19 P	Pn	22 31 11.8 +0.9		
P48A Milroy baz=228	5.60 45 P	Pn	22 30 01.7 +1.4	P52A Corning baz=242	7.80 57 P	Pn	22 30 31.8 +1.2	F44A Big Bay de Noc baz=198	10.79 16 P	Pn	22 31 11.8 +0.2		
449A Pace baz=331	5.62 149 P	Pn	22 30 01.5 +0.8	X56A White Oak baz=281	7.91 96 P	Pn	22 30 33.8 +1.7	BASO Ashfield baz=222	10.81 37 P	Pn	22 31 12.9 +1.1		
Q49A Aurora baz=293	5.64 52 P	Pn	22 30 02.0 +1.1	J43A Natural Harves baz=193	7.91 12 P	Pn	22 30 33.7 +1.6	E40A Wakefield baz=183	10.81 3 P	Pn	22 31 13.3 +1.5		
Z52A Williamson baz=297	5.65 114 P	Pn	22 30 02.1 +1.1	L48A N Adams baz=219	7.92 35 P	Pn	22 30 32.8 +0.6	G47A Hillman baz=210	10.81 26 P	Pn	22 31 10.7 -1.1		
Y52A Liburn Y52A Liburn baz=290	5.65 106 ePn 5.65 106 P	Pn	22 30 02.2 +1.1 22 30 01.8 +0.7	CBKS Cedar Bluff CBKS Cedar Bluff baz=111	7.96 296 ePn 7.96 296 P	Pn	22 30 34.1 +1.2 22 30 33.9 +1.0	E41A Kenton baz=187	10.89 6 P	Pn	22 31 14.5 +1.7		
R50A Paris baz=244	5.66 60 P	Pn	22 30 02.7 +1.5	R54A Victor baz=25									







24d 0h

TWC	baz=278	S	Sn	00 28 11.1	-1.4	
TWB1	Santiao Chiao	0.89 302	U P	Pn	00 27 58.4 +0.3	
TWB1	baz=295	eS	Sn	00 28 11.7	-0.8	
NTC	Toucheng	0.95 289	eP	Pn	00 27 59.5 +0.8	
NTC	baz=281	eS	Sn	00 28 14.2	+0.5	
NANB	Nanao	0.98 264	U P	Pn	00 27 59.4 +0.4	
NANB	baz=257	S	Sn	00 28 13.7	-0.6	
ENA	Nanau	0.99 264	P	Pn	00 27 59.5 +0.3	
ENA	baz=257	eS	Sn	00 28 14.5	0.0	
ILA	Ilan	1.00 283	eP	Pn	00 27 59.7 +0.5	
TIPB	Shuangxi	1.00 296	U P	Pn	00 27 59.7 +0.5	
TIPB	baz=290	S	Sn	00 28 13.6	-1.1	
HATJ	Hateruma jima	1.02 118	P S	Pn	00 28 00.5 +1.0	
HATJ	TWE	1.06 280	P	Sn	00 28 16.2 +1.1	
NWF	Wu-fen Shan	1.08 299	U P	Pn	00 28 01.9 +0.7	
NWF	baz=291	eS	Sn	00 28 01.1	+0.9	
WFSB	Wu-fen Shan	1.08 299	U P	Pn	00 28 01.0 +0.8	
WFSB	baz=291	eS	Sn	00 28 15.8	-0.5	
JKRS	Kuro-shima	1.13 105	P S	Pn	00 28 01.3 +0.7	
JKRS	ENTT	1.14 275	U P	Sn	00 28 17.4 +0.3	
NACB	Ninganchiao	1.18 252	U P	Pn	00 28 01.9 +1.0	
NACB	baz=244	eS	Sn	00 28 01.0	-0.2	
NACB	baz=244	eS	Sn	00 28 16.4	-1.8	
NDT	Datong Townshi	1.19 273	U P	Pn	00 28 02.5 +1.1	
NDT	baz=274	eS	Sn	00 28 18.6	+0.1	
TWA	Mucha	1.20 291	U P	Pn	00 28 02.3 +0.8	
TWA	baz=282	S	Sn	00 28 18.1	-0.7	
TWD	Chiawan	1.21 248	U P	Pn	00 28 01.4 -0.1	
TWD	baz=247	eS	Sn	00 28 17.6	-1.2	
JJ	Ishigaki jima	1.22 98	P S	Pn	00 28 01.9 +0.2	
JJ	NWLT	1.22 281	eP	Sn	00 28 18.3 -0.7	
NWLT	baz=280	eS	Sn	00 28 02.5	+0.8	
NWLT	baz=280	eS	Sn	00 28 18.1	-1.0	
HWA	Hwalien	1.24 243	P	Pn	00 28 02.2 +0.2	
HWA	baz=242	eS	Sn	00 28 19.2	-0.3	
NHDH	Xindian Distri	1.25 290	eP	Pn	00 28 02.7 +0.7	
NHDH	baz=280	eS	Sn	00 28 19.1	-0.6	
ETLH	Xiulin Townshi	1.26 255	eP	Pn	00 28 02.6 +0.3	
ETLH	baz=248	eS	Sn	00 28 19.2	-0.9	
PCYT	Pengchayiu	1.28 328	P	Pn	00 28 03.5 +1.1	
ENLB	Shoufeng	1.28 240	U P	Pn	00 28 02.6 +0.2	
ENLB	baz=235	eS	Sn	00 28 19.4	-0.9	
TATO	Taipei	1.28 290	eP	Pn	00 28 03.0 +0.6	
TATO	baz=279	eS	Sn	00 28 19.2	-1.1	
YM01	YM01	1.28 298	U P	Pn	00 28 03.3 +0.8	
YM01	baz=290	eS	Sn	00 28 20.4	-0.1	
YM08	YM08	1.29 300	eP	Pn	00 28 03.0 +0.4	
YM08	baz=299	eS	Sn	00 28 19.7	-0.8	
YM11	YM11	1.29 299	U P	Pn	00 28 03.2 +0.6	
YM11	baz=290	eS	Sn	00 28 20.8	+0.1	
YM05	YM05	1.30 299	P	Pn	00 28 03.1 +0.4	
YM05	baz=291	eS	Sn	00 28 20.8	0.0	
NNSB	Datong	1.31 265	U P	Pn	00 28 03.3 +0.4	
NNSB	baz=259	eS	Sn	00 28 03.3	+0.4	
YM04	YM04	1.31 298	P	Pn	00 28 03.5 +0.7	
YM04	baz=287	eS	Sn	00 28 20.5	-0.6	
YHNB	Yeheng	1.32 276	U P	Pn	00 28 03.9 +0.9	
YHNB	baz=274	eS	Sn	00 28 21.0	-0.3	
NNS	Nan Shan	1.32 266	eP	Pn	00 28 03.4 +0.3	
TWY	Chentua	1.33 304	U P	Pn	00 28 04.1 +1.1	
TWY	baz=302	eS	Sn	00 28 21.7	+0.5	
NSK	Sanguang	1.34 276	eP	Pn	00 28 04.0 +0.9	
NSK	baz=274	eS	Sn	00 28 21.3	-0.3	
ANP	Anpu	1.34 299	eP	Pn	00 28 03.5 +0.3	
ANP	baz=288	eS	Sn	00 28 03.6	+0.2	
JISG	Ishigakijimahi	1.36 88	P S	Pn	00 28 21.2 -0.8	
JISG	baz=288	eS	Sn	00 28 04.7	+1.0	
TWS1	Kuangyinshan	1.39 294	U P	Pn	00 28 22.7 +0.1	
TWS1	baz=286	eS	Sn	00 28 22.7	+0.1	
NTST	Danshui	1.39 297	eP	Pn	00 28 04.5 +0.8	
ESL	Shilin	1.46 240	U P	Pn	00 28 04.3 -0.3	
ESL	baz=240	eS	Sn	00 28 05.5	+0.3	
WHF	Hehuan Shan	1.47 255	U P	Pn	00 28 24.2 -0.9	
WHF	baz=260	eS	Sn	00 28 06.7	+1.1	
TWT	Tachien	1.52 259	P	Pn	00 28 25.8	0.0
TWT	baz=258	eS	Sn	00 28 05.5	0.0	
EGFH	Guangfu	1.54 236	eP	Pn	00 28 06.7 +1.0	
EGFH	baz=233	eS	Sn	00 28 25.3	-0.9	
TDCB	Techi	1.54 260	U P	Pn	00 28 06.4 +0.8	
TDCB	baz=255	eS	Sn	00 28 27.1	+1.1	
NCU	National Centr	1.54 286	eP	Pn	00 28 05.9 +0.3	
NCU	baz=285	eS	Sn	00 28 27.1	+1.1	
NCUH	Zhongli	1.54 286	eP	Pn	00 28 06.9 +0.6	
NCUH	baz=275	eS	Sn	00 28 26.0	-1.0	
CHGB	Renai	1.57 253	U P	Pn	00 28 07.0 +0.4	
CHGB	baz=245	S	Sn	00 28 27.0	-1.6	
CHGB	Renai	1.61 249	U P	Pn	00 28 27.1 -1.2	
CHGB	baz=243	eS	Sn	00 28 06.8	-0.1	
OWD	Renai	1.62 243	eP	Pn	00 28 07.0 +0.1	
OWD	baz=243	eS	Sn	00 28 07.0	+0.1	
LIOB	Emei	1.64 274	P	Pn	00 28 27.1 -1.2	
LIOB	baz=272	eS	Sn	00 28 06.8	-0.1	
HGSD	Ruisui	1.65 231	U P	Pn	00 28 26.7 -1.6	

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HGSD	baz=228	eS	Sn	00 28 26.7	-1.6	
NSST	Nanjuang	1.66 273	eP	Pn	00 28 08.1 +1.0	
NSST	baz=272	eS	Sn	00 28 28.6	+0.1	
SBCB	Hsinchu	1.69 279	U P	Pn	00 28 08.4 +1.0	
SBCB	baz=277	eS	Sn	00 28 29.4	+0.3	
HSN	Hsinchu	1.70 279	eP	Pn	00 28 08.3 +0.7	
HSN	baz=279	eS	Sn	00 28 29.4	-0.1	
EHY	Hungye	1.71 233	eP	Pn	00 28 07.3 -0.5	
JTJ	Tarama	1.72 86	P S	Pn	00 28 08.4 +0.6	
JTJ	baz=241	eS	Sn	00 28 30.4	+0.6	
VWDT	VWDT	1.72 243	U P	Pn	00 28 08.6 +0.8	
VWDT	baz=236	eS	Sn	00 28 28.7	-1.2	
VWDT	baz=236	eS	Sn	00 28 09.9	+1.9	
WHP	Taichung City	1.73 262	U P	Pn	00 28 31.1 +0.9	
WHP	baz=257	eS	Sn	00 28 08.8	-0.1	
YULB	Yuli	1.80 231	U P	Pn	00 28 09.3 +0.1	
YULB	baz=240	eS	Sn	00 28 30.4	-2.0	
TWF1	Yuli	1.83 230	U P	Pn	00 28 10.8 +1.3	
TWF1	baz=238	eS	Sn	00 28 10.2	+0.6	
NMLH	Miaoili	1.85 270	eP	Pn	00 28 32.1 -1.1	
NMLH	baz=238	eS	Sn	00 28 10.8	+0.9	
SSLB	Suanguang	1.86 247	U P	Pn	00 28 10.3	-0.5
SSLB	baz=245	eS	Sn	00 28 34.9	+1.4	
SMLT	Sun Moon Lake	1.87 250	U P	Pn	00 28 10.6	+0.8
SMLT	baz=245	eS	Sn	00 28 33.4	-0.1	
SMLT	baz=245	eS	Sn	00 28 11.2	+1.4	
TWQ1	Liyutan	1.87 264	eP	Pn	00 28 34.1 +0.6	
TWQ1	baz=263	eS	Sn	00 28 11.2	+1.0	
NSY	Sanyi	1.88 267	eP	Pn	00 28 35.0 +1.0	
NSY	baz=265	eS	Sn	00 28 11.6	+1.1	
TYC	Yuchr	1.90 251	U P	Pn	00 28 34.7	0.0
TYC	baz=265	eS	Sn	00 28 10.4	-0.2	
TYC	baz=245	eS	Sn	00 28 33.2	-1.6	
PTSB	Yuanli	1.93 268	eP	Pn	00 28 10.3 -0.5	
PTSB	baz=266	eS	Sn	00 28 32.9	-2.4	
FULB	Fuli	1.93 227	U P	Pn	00 28 12.4 +1.2	
FULB	baz=221	eS	Sn	00 28 35.9	-0.1	
CHKT	Chengkung	1.96 223	U P	Pn	00 28 12.6 +1.3	
CHKT	baz=219	eS	Sn	00 28 38.2	+2.0	
WHYT	Xinyi Township	1.98 245	U P	Pn	00 28 12.6 +1.3	
WHYT	baz=245	eS	Sn	00 28 38.2	+2.0	
TCU	Taichung	1.99 259	eP	Pn	00 28 12.6 +1.3	
TCU	baz=267	eS	Sn	00 28 12.6	+1.3	
WDJ	Dajia District	2.00 265	eP	Pn	00 28 13.8 +1.9	
WDJ	baz=267	eS	Sn	00 28 39.2	+2.0	
WJS	Zhushan	2.04 250	eP	Pn	00 28 13.4 +1.3	
WJS	baz=248	eS	Sn	00 28 39.4	+1.7	
WNT	Mingjian	2.06 252	eP	Pn	00 28 14.3 +1.2	
WNT	baz=260	eS	Sn	00 28 40.8	+1.5	
ALS	Altshan	2.11 241	U P	Pn	00 28 13.8 +1.0	
ALS	baz=235	eS	Sn	00 28 13.1	-0.1	
WCHH	Zhanghua	2.11 258	eP	Pn	00 28 37.9	-1.6
WCHH	baz=255	eS	Sn	00 28 14.1	+0.6	
ELDTW	Lidau	2.13 231	P	Pn	00 28 39.2	-0.8
ELDTW	baz=227	eS	Sn	00 28 15.3	+1.6	
JIRB	Irabujima	2.16 82	P S	Pn	00 28 42.1 +1.7	
JIRB	baz=237	eS	Sn	00 28 16.3	+1.9	
CHN5	Tsauling	2.17 245	eP	Pn	00 28 43.6 +2.0	
CHN5	baz=237	eS	Sn	00 28 15.4 +0.9		
WGK	Gukeng	2.23 248	eP	Pn	00 28 42.4 +0.5	
WGK	baz=246	eS	Sn	00 28 15.8 +1.2		
JIKM	Ikemajima	2.24 80	P S	Pn	00 28 15.8 +1.0	
JIKM	baz=227	eS	Sn	00 28 15.8	+1.0	
WDLH	Douliu	2.25 248	eP	Pn	00 28 15.8 +1.0	
WDLH	baz=259	eS	Sn	00 28 15.8	+1.0	
JMJ	Miyako jima 2	2.27 83	eP	Pn	00 28 15.8 +1.0	
JMJ	baz=84	eS	Sn	00 28 15.8 +1.0		
JMJ	Miyako jima 2	2.27 83	P S	Pn	00 28 15.6 +0.7	
JMJ	baz=84	eS	Sn	00 28 42.1 -0.4		
STYT	Tauyuan	2.33 234	U P	Pn	00 28 17.1 +1.3	
STYT	baz=229	eS	Sn	00 28 44.7 +0.5		
RLNB	Erin	2.34 254	eP	Pn	00 28 16.8 +1.0	
RLNB	baz=252	eS	Sn	00 28 44.2 +0.1		
TWGBT	Beinan	2.34 223	U P	Pn	00 28 15.6 -0.3	
TWGBT	baz=229	eS	Sn	00 28 42.0 -2.2		
TWGT	Pingang	2.34 223	U P	Pn	00 28 15.6 -0.4	
TWGT	baz=230	eS	Sn	00 28 16.4 +0.5		
TPUB	Ta-pu	2.35 239	P	Pn	00 28 17.5 +1.5	
TPUB	baz=231	S	Sn	00 28 46.3 +1.7		
CHN4	Tsushan	2.36 240	P	Pn	00 28 17.7 +1.6	
CHN4	baz=232	S	Sn	00 28 46.4 +1.8		
JOGS	Gusukube	2.37 84	P S	Pn	00 28 17.1 +1.0	
JOGS	baz=232	eS	Sn	00 28 46.4 +1.8		
CHN2	Minshung	2.37 245	U P	Pn	00 28 47.8 +3.0	
CHN2	baz=244	eS	Sn	00 28 18.8 +2.2		
WTP	Fort Charlotte	2.40 238	eP	Pn	00 28 47.4 +1.8	
WTP	baz=244	eS	Sn	00 28 17.7 +0.9		
WTCT	Ta-ch'eng	2.41 254	eP	Pn	00 28 16.7 +0.9	
WTCT	baz=252	eS	Sn	00 28 47.1 +0.2		
CHY	Chiayi	2.42 245	eP	Pn	00 28 18.3 +1.4	
CHY	baz=255	eS	Sn	00 28 49.0 +2.8		
TWK	Hsinying	2.48 240	U P	Pn	00 28 19.1 +1.3	
TWK	baz=238	eS	Sn	00 28 48.9 +1.2		
CHN1	Nanshi	2.49 238	eP	Pn	00 28 18.9 +1.0	
CHN1	baz=246	eS	Sn	00 28 49.0 +1.1		
SNST	Tainan City	2.50 239	eP	Pn	00 28 19.2 +1.3	
SGST	Jiashian	2.51 235	P	Pn	00 28 19.9 +1.8	

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SGST	baz=234	eS	Sn	00 28 49.3	+1.1
SLGT	Lugui	2.52 233	eP	Pn	00 28 20.2 +2.0
SLGT	baz=225	eS	Sn	00 28 50.1	+1.7
WLGB	Puzi	2.54 246	eP	Pn	00 28 19.7 +1.3
ECL	Taimali	2.58 222	eP	Pn	00 28 18.4 -0.6
ECL	baz=221	eS	Sn	00 28 47.6	-2.4
CHN8	Pingtan	2.67 244	eP	Pn	00 28 21.2 +1.1
CHN8	baz=242	eS	Sn	00 28 54.0	+2.1
SSD	Sandimen	2.69 229	eP	Pn	00 28 22.0 +1.6
SSD	baz=227	eS	Sn	00 28 54.3	+1.9
LAY	Lan-yu	2.75 205	U P	Pn	00 28 20.4 -0.9
SCLT	Jiali	2.			







24d 4h

Table with columns: DZM, H1S12, H1S13, H1S11, H1N11, H1N13, H1N12, WRA, ASAR, ILAR. Includes station names, coordinates, and time/residual data.

IDC 24 03:00:04.6:2.8,6.04S:130.36E,h116km,36km,mb3.1/1, mb1 3.3/5, mb1mx3.1/33, mbtmp3.6/5, Error ellipse: s-maj=68.7km s-min=21.2km az=88.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Sorong, Fitzroy Crossi, Warramunga Arr, etc.

IDC 24 03:20:47.4:2.7, 24.38S:179.85E,h493km,29km,mb3.4/8, mb1 3.7/9, mb1mx3.4/29, mbtmp4.3/9, Error ellipse: s-maj=32.5km s-min=18.4km az=167.0

IDC 24 03:20:48.7:0.8, 24.45S:0.109:179.9E:0.1, h517km, mb3.8/8, Error ellipse: s-maj=16.6km s-min=12.4km az=1.7

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like Stephens Creek, ASAR, WRA, etc.

IDC 24 03:34:09.5:2.1, 2.37N:128.14E,h0km,mb3.4/3, mb1 3.6/3, mb1mx3.3/38, mbtmp3.5/3, Error ellipse: s-maj=145.1km s-min=26.0km az=67.0, Halmahera

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, MKRAR, etc.

IDC 24 03:36:06.3:1.5, 21.2S:0.2:179.0W:0.2, h600km,mb3.9/6, Error ellipse: s-maj=29.9km s-min=25.7km az=20.9

IDC 24 03:36:08.6:6.5, 21.31S:178.97W,h618km,77km,mb3.2/6, mb1 3.4/7, mb1mx3.0/36, mbtmp4.3/7, Error ellipse: s-maj=53.9km s-min=29.8km az=23.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like URZ, CTA, STKA, ASAR, WRA, FITZ, ILAR, BVAR, MKRAR, etc.

IDC 24 03:46:18.2:4.2, 21.50S:70.28W,h0km,mb3.7/1, mb1 3.6/2, mb1mx3.3/17, mbtmp3.5/2, ML3.2/1, MS2.2/1, MS1 2.3/1, ms1mx2.3/21, Error ellipse: s-maj=134.1km s-min=82.6km az=95.0

GUC 24 03:46:22.0:7.2, 20.76S:70.66W,h34km,3km,ML3.7 Error ellipse: s-maj=19.8km s-min=17.0km az=103.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PB02, PB01, PB07, PSGC, PB11, PB08.

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Table with columns: PB08, PB09, PB09, MNMC, MNMC, LPAZ, LPAZ, TORD, H1N13, H1N12, H1N11, MKRAR. Includes station names, coordinates, and time/residual data.

IDC 24 03:52:07.8:2.0, 18.95N:145.05E,h208km,195km,mb3.4/6,mb1 3.7/6,mb1mx3.2/36,mbtmp3.9/6, Error ellipse: s-maj=35.8km s-min=27.0km az=71.0, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA, ASAR, MKRAR, ILAR, YKA, NVAR, FINES.

IDC 24 04:11:45.0:1.8, 53.30N:158.62E,h249km,11km,mb2.7/2, mb1 2.9/2, mb1mx2.5/35, mbtmp3.3/2, Error ellipse: s-maj=73.0km s-min=28.9km az=168.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like KNL, GNL, GNL, KRK, KOK, SDLR, SMAR, AVH, UGLR, NLC, DALK, DALK, PET, PET, PETK.

IDC 24 04:11:46.2:1.3, 54.04N:0.06:158.87E:0.08,h221km,8km,mb3.3/3,mb1 3.3/3,mb1mx3.3/38,mbtmp3.5/3, Error ellipse: s-maj=117.4km s-min=25.1km az=50.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SPN, SPN, KRMR, KRMR, KZV, KZV, TUMR, TUMR, TUMD, APC, APC, MTRV, MTRV, RUS, RUS, MKZ, MKZ, ESO, ESO, KDTR, KDTR, SRAU, SRAU, PAU, PAU, BDR, BDR, SRKR, SRKR, SMKR, SMKR, KBG, KBG, KBTR, KBTR, KBT, KBT, ILAR, ILAR, MKRAR, MKRAR.

IDC 24 04:26:02.9:9.0, 6.73S:127.34E,h209km,93km,mb3.0/1, mb1 3.4/4, mb1mx2.9/45, mbtmp3.9/4, Error ellipse: s-maj=117.4km s-min=25.1km az=50.0, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BATI, BATI, FITZ, FITZ, WRA, WRA, ASAR, ASAR, MKRAR, MKRAR.

NIED 24 04:26:00.41:00N:141.70E,h77km,Mw3.7 Best double couple: M3.54000:1014 NP1:3319.00000:877.00000, 7.700000. NP2:228.00000:883.00000:lambda 167.00000

ISCJ 24 04:26:16.5:0.5, 40.98N:0.03:141.63E:0.07,h79km,3km,mb3.7/7, Error ellipse: s-maj=9.0km s-min=4.5km az=7.6

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like BATI, BATI, FITZ, FITZ, WRA, WRA, ASAR, ASAR, MKRAR, MKRAR.

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Table with columns: JARK, JARK, JAHK, JAHK, JMD, JMD, JTM, JTM, JOT, JOT, JOT, JOT, JANG, JANG, JANG, JANG, JKB, JKB, JSR, JSR, JSR, JSR, JAH, JAH, JAH, JAH, JIW, JIW, JYM2, JYM2, JYM2, JYM2, JEM, JEM, JNBK, JNBK, JOM, JOM, JNB, JNB, JNB, JNB, JIAM, JIAM, JIAM, JIAM, ASAJ, ASAJ, ASAJ, ASAJ.

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like MAT, MAT, MJAR, MJAR, USRK, USRK, KSR, KSR, SONM, SONM, H1N12, H1N12, H1N11, H1N11, H1N13, H1N13, H1S11, H1S11, H1S12, H1S12, ZALV, ZALV, MKRAR, MKRAR, KURBB, KURBB, BVAR, BVAR, FINES, FINES.

ISCJ 24 04:38:38.8:1.0, 35.70N:0.04:141.05E:0.08,h23km,5km,mb3.4/3, Error ellipse: s-maj=11.1km s-min=6.4km az=166.9

IDC 24 04:38:39.5:1.4, 35.30N:140.63E,h0km,mb3.4/3, mb1 3.6/4, mb1mx3.3/37, mbtmp3.3/4, ML2.2/1, MS2.5/1, MS1 2.5/1, ms1mx2.3/24, Error ellipse: s-maj=35.9km s-min=29.0km az=7.1

JMA 24 04:38:39.8:0.2, 35.67N:140.98E,h16km,1km,M3.9 JMA Felt II J1

ISC 24 04:39:39.3:1.4, 35.69N:0.04:141.02E:0.07,h16km,8km,mb3.4/3, Error ellipse: s-maj=11.1km s-min=6.4km az=166.9

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like CHQJ, CHQJ, CHQJ, CHQJ, JSMT, JSMT, JIHU, JIHU, JIHU, JIHU, JCN, JCN, JYT, JYT, JYT, JYT, BSO4, BSO4, BSO3, BSO3, JHO, JHO, BSO1, BSO1, MJAR, MJAR, MAT, MAT, MAT, MAT, JNU, JNU, H1N12, H1N12, H1N11, H1N11, H1N13, H1N13, H1S11, H1S11, H1S12, H1S12, MKRAR, MKRAR, ILAR, ILAR, WRA, WRA.

NNC 24 04:49:21.1:6.3, 37.13N:70.68E,h0km,mb3.5,mpv3.1, 4C-4D, Error ellipse: s-maj=49.0km s-min=41.0km az=163.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SFK, SFK, SFK, SFK, MNAS, MNAS, MNAS, MNAS, KK31, KK31, AAK, AAK, AAK, AAK.

NIED 24 04:50:37.00N:140.70E,h20km,Mw4.3 Best double couple: M2.79000:1015 NP1:169.00000:832.00000, 7.340000. NP2:50.00000:873.00000:lambda 118.00000

JMA 24 04:55:15.9, 36.97N:140.69E,h21km,1km,M4.5 Broadband fault plane solution: P waves. NP1: 0.36.00000:868.00000:lambda 104.00000. NP2: 0.181.00000:826.00000:lambda 58.00000. Principal axes: T P1g12.00000: Azm329.00000: N P1g13.00000: Azm21.00000: P P1g22.00000: Azm115.00000: JMA Felt III J1

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MOS 24 04:55:16.5:1.37:10N:140:68E, h38km, mb4.8/58, Error ellipse: s-maj=7.4km s-min=4.7km az=101.4
BUJ 24 04:55:17.2:36.86N:140:60E, h54km, mb4.9/23, mb4.5/39, Ms4.1/12, Ms7.3/9/12
IDC 24 04:55:18.8:2.2, 37.01N:140:57E, h42km, 19km, mb4.2/33, mb1.4/3/5, mb1mx4.2/58, mbtmp4.4/35, ML4.1/2, MS3.5/14, Ms1.3/5/14, ms1mx3.3/40, Error ellipse: s-maj=13.7km s-min=11.6km az=118.0
NEIC 24 04:55:19.0:0.5, 37.01N:140:65E, h47km, 3km, mb4.6/43, Error ellipse: s-maj=4.5km s-min=3.2km az=144.0
NEIC Fell [V] at Iwaki. Fell widely in eastern Honshu. Recorded 13 JMA in Fukushima and Ibaraki.
ISC 24 04:55:16.4:0.6, 36.97N:140:47E, 0.04, h28km, 4km, n301, c1917/317, mb4.7/116, MS3.6/112, 36C-10D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists various seismic stations and their recorded data points.

2013 FEB

Main table of seismic events for 2013 FEB. Columns include: Station Name, Time, Res, ISC, Az, Phase ID, Time, Res, ISC. Lists numerous seismic events with their respective station data.

24d 4h

Table of seismic events for the last 24 days and 4 hours. Columns include: Station Name, Time, Res, ISC, Az, Phase ID, Time, Res, ISC. Lists recent seismic events.





Table with columns: Call Sign, Frequency, Mode, Power, Status, and other technical details for stations 1747.

Main table with columns: Code, Station Name, Frequency, Mode, Power, Status, and other technical details for various stations.

Table with columns: Call Sign, Frequency, Mode, Power, Status, and other technical details for stations 24d 5h.

ADC 24 05:12:28.2.7, 19179S, 179.65E, h0km, mb4.1/4, mb1 4.4/4, mb1mx3.9/26, mbtmp4.1/4, Error ellipse: s-maj=269.7km s-min=33.6km az=162.0, South of Fiji

ADC 24 05:58:01.8.1.2, 3.27N, 126.55E, h0km, mb4.4/6, mb1 4.6/6, mb1mx3.8/5.1, mbtmp4.4/6, MS3.1/1, ms1mx2.4/3.3, Error ellipse: s-maj=93.2km s-min=19.0km az=69.0











2d 11h

Table with columns: RPZ, Rate Peaks, 15.50 211 ePn, P, 10 08 23.3 +0.6. Includes various station names like Fox Glacier, Mont Dzumac, etc.

2013 FEB

Table with columns: Code, Station Name, Δ° AZ°, Phase ID, Time Res, ISC. Includes station names like Santa Cruz, Tagaytay City, etc.

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Table with columns: comp, Station Name, Δ° AZ°, Phase ID, Time Res, ISC. Includes station names like Alice Springs, Karatay Array, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Mitsune, Aogashimamukai, Hachijo jima 2, Mikurajimanish, Boso 1, Boso 3, Oshima 3, Izushimoda, Odawara 2, Matsushiro Arr, Matsushiro, Nakatsue, Asahikawa, WAKE ISLAND Hy, WAKE ISLAND Hy, WAKE ISLAND Hy, WAKE ISLAND Hy, WAKE ISLAND Hy, Chiang Mai Arr, Makanchi Arr, Warramunga Arr, Elselon Array, WARRAMUNGA ARR, ALICE SPRINGS, FINESS Array B.

ICC 24 11:27:41.9 1.2, 5:178S, 132:87E, h0km, mb3.6/4, mb1 4.3/11, mb1mx4.1/38, mbtmp4.3/11, ML4.2/6, Error ellipse: s-maj=31.8km s-min=21.2km az=85.0

NEIC 24 11:27:43.9 3.7, 5:155S, 132:85E, h12km, 26km, mb4.2/3, Error ellipse: s-maj=11.0km s-min=7.4km az=77.0

ISCBJ 24 11:27:44.0 0.4, 5:215S, 0:03, 132:76E, 0:05, h33km, mb4.0/7, Error ellipse: s-maj=7.4km s-min=4.2km az=176.3

ISC 24 11:27:45.3 0.6, 5:245S, 0:05, 132:85E, 0:07, h35km, n28, c=340/41, mb4.2/7, Arau Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Fak Fak, Sorong, Mantop Dam, Jayapura, Baunata, Bati, Coen, Coen, Davo City (W), Fitzroy Crossi, Fitzroy Crossi, Fitzroy Crossi, Tennant Creek, Warramunga Arr, Warramunga Arr, Warramunga Arr, Alice Springs, Alice Springs.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr, Warramunga Arr.

SOME 24 11:28:06.5, 42:97N, 77:68E, h10km

NNC 24 11:28:06.2 0.9, 43:01N, 77:71E, h0km, mb1.9, mpv2.1, Error ellipse: s-maj=13.9km s-min=3.6km az=2.0

ISC 24 11:28:06.0 1.5, 43:00N, 02:77E, 0:02, h5km, 19km, n8, c=038/16, 2C-4D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Saty, Saty, Saty, Saty, Saty, Saty, Saty, Saty, Saty, Saty.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like UZB Uzynbulak, UZB Uzynbulak, PDGK Podgornoye, PDGK Podgornoye, TKM2 Tokmak 2, TKM2 Tokmak 2.

JMA 24 11:29:26.0 0.2, 25:99N, 125:28E, h117km, M3.6, Southwestern Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like IKEMAJIMA, IRABUJIMA, MIYAKO JIMA 2, GUSUKUBE, KUME JIMA 2, TARAMA, ISHIGAKIJIMAH, AGUNI-JIMA, ISHIGAKI JIMA, KURO-SHIMA, KIROMOTO-FUNAU, TAMAGUSUKU 3, HATERUMA JIMA, NAGOTOYOHARA, YONAGUNI JIMA, YONAGUNIJIMAKU, IHEYA, KUNIGAMI, YORONJIMA, OKINOERABUJIMA, TOKUNOSHIMA.

ICC 24 11:40:56.3 9.5, 17:27S, 179:18W, h620km, 128km, mb2.8/6, mb1 3.1/7, mb1mx2.8/48, mbtmp3.9/7, Error ellipse: s-maj=92.2km s-min=41.3km az=160.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM Drom Dzumac, DZM Drom Dzumac, STKA Stephens Creek, STKA Stephens Creek, WARRAMUNGA ARR, ALICE SPRINGS, ILAR Elselon Array, TXAR Lajitas Array, PDAR Pinedale Array.

ICC 24 11:45:22.3 15.0, 5:17S, 151:96E, h138km, 188km, mb2.7/3, mb1 3.1/4, mb1mx2.9/44, mbtmp3.5/4, ML4.0/1, Error ellipse: s-maj=150.4km s-min=30.6km az=129.0, New Britain region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR Honiara, WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Arr.

MEX 24 11:45:24.1 0.4, 15:34N, 95:81W, h26km, 51km, MD3.8, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HUIG Huatloc, HUIG Huatloc, VHO Vista Hermosa, CMIG Camig Romero, CMIG Camig Romero.

ISCBJ 24 11:51:52.0 2.0, 35:65N, 0:04, 141:11E, 0:08, h37km, 6km, mb3.6/10, MS3.3/4, Error ellipse: s-maj=10.2km s-min=7.0km az=176.0

JMA 24 11:51:53.1 0.2, 35:72N, 141:02E, h36km, 1km, M3.3, Broadband fault plane solution: P waves, NP1: c=52.00000, 872.00000, 183.00000, NP2: c=255.00000, c=819.00000, 112.00000, Principal axes: P, T, N, P1: 270.00000, Azm148.00000; P, P1: 270.00000, Azm148.00000;

JMA Feb 11, J, ICC 24 11:51:56.2 1.9, 35:57N, 140:98E, h56km, 16km, mb3.4/10, mb1 3.6/15, mb1mx3.4/48, mbtmp3.7/5, ML2.9/5, MS3.2/8, Ms1 3.2/8, ms1mx2.9/30 Error ellipse: s-maj=18.1km s-min=8.6km az=77.0

ISC 24 11:51:53.7 1.1, 35:66N, 0:05, 141:05E, 0:08, h31km, 6km, n32, c=147/30, mb3.6/10, MS3.4/4, 1C-3D, Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like CHOJ Chosi, JOST Sammumatsuo, JHJU Itakohorinouch, JCN Nagara, JHYU Hitachinakyam, JYU Yasato, MKAR Makanchi Arr, MJAR Matsushiro, MAT Matsushiro, JHJ Hachijo jima 2, JHJ Hachijo jima 2.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAJ Asahikawa, JNU Nakatsue, KSRS Korea Arr, KSRS Korea Arr, USRK Ussuriysk Arr, KLR Kul'dur, H11N2 WAKE ISLAND Hy, H11N1 WAKE ISLAND Hy, H11N3 WAKE ISLAND Hy, SONM Songo Array, H11S1 WAKE ISLAND Hy, H11S2 WAKE ISLAND Hy, CMAR Chiang Mai Arr, ZALV Zalesovo Beam, MKAR Makanchi Array, MKAR Makanchi Array, ILAR Elselon Array, FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, YKA Yellowknife Arr, YKA Malin Arr, AKASG, NOA NORSAR Array B, NOA NORSAR Array B.

ICC 24 11:59:00.5 9.0, 31:95S, 179:97W, h406km, 89km, mb3.0/3, mb1 3.2/3, mb1mx3.0/25, mbtmp3.8/3, Error ellipse: s-maj=51.1km s-min=22.5km az=70.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR Honiara, ASAR Alice Springs, WRA Warramunga Arr, GSPA South Pole, FINESS FINESS Array B, NOA NORSAR Array B.

WEL 24 12:01:10.4 1.0, 32:58S, 177:7W, 1'8, h33km, ML5.2/12, ICC 24 12:01:10.9 1.3, 30:92S, 178:42W, h0km, mb4.2/3, mb1 4.4/3, mb1mx3.9/25, mbtmp4.2/3, MS3.1/1, Ms1 3.1/1, ms1mx2.6/29, Error ellipse: s-maj=42.3km s-min=33.1km az=46.0

ISC 24 12:01:08.9 1.4, 32:38S, 0:10, 177:4W, 0:2, h24km, n25, c=1920/37, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GLKZ Green Lake, MXZ Matakoaka Point, MXZ Matakoaka Point, PKGZ Pakihiroa, HAZ Te Kaha, HAZ Te Kaha, PUKETTI, RUGZ Raukumara Rang, RUGZ Raukumara Rang, TWGZ Tauwhareparea, TWGZ Carnagh Statio, CNGZ Te Karaka, MWZ Matawai, RIGZ Rimuhau, RIGZ Shannon Statio, RTZ Rautahuna, RAHZ Arahi, MTHZ Maungataniwha, OUZ Omahuta, NMHZ Naumai, NMHZ Black Stump Fm, BKZ, DZM Drom Dzumac, ASAR Alice Springs, WRA Warramunga Arr, GSPA South Pole, MKAR Makanchi Array, FINESS FINESS Array B, NOA NORSAR Array B.

ISC 24 12:06:57.8 2.2, 30:97S, 178:54W, h0km, mb3.5/3, mb1 3.6/3, mb1mx3.5/28, mbtmp3.5/3, Error ellipse: s-maj=63.1km s-min=37.4km az=45.0, Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, GSPA South Pole, FINESS FINESS Array B, NOA NORSAR Array B.

ISC 24 12:10:32.2 1.1, 11:7S, 0:1, 165:1E, 0:2, h34km, n6, c=142/7, mb3.5/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like DZM Drom Dzumac, DZM Drom Dzumac.





24d 13h

Table with columns: Station ID, Name, Time, Res, and other details. Includes stations like 522A 4UR Ranch, 121A Cookes Peak, 121A, SDCO Great Sand Dun, ANMO Albuquerque, ULM Lao du Bonnet, etc.

ISCJB 24 13:02:29.5±0.4, 24.85N, 0.02±22.34E, 0.02, h5km, 3km, Error ellipse: s-maj=4.4km s-min=2.7km az=24.1 JMA 24 13:02:30.1±0.1, 24.85N, 122.36E, h43km, ML2.1 TAP 24 13:02:30.1, 24.86N, 122.27E, h12km, ML2.5, C ISC 24 13:02:29.5±0.2, 24.84N, 0.03±22.34E, 0.02, h18km, 6km, n5.1, c050/85, Taiwan region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like EOS1, TWB1, TIPB, TWC, ILA.

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Table with columns: Station ID, Name, Time, Res, and other details. Includes stations like NWF Wu-fen Shan, NWF Wu-fen Shan, WFSB Wu-fen Shan, TWE Neicheng, etc.

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RIZ, GLKZ, OUZ, KUZ, DZM.

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Table with columns: Station ID, Name, Time, Res, and other details. Includes stations like MXZ Matakaoa Point, PUZ Puketiti, URZ Urewera, etc.

IDC 24 13:26:10.2±3.4, 14.91S, 173.84W, h0km, mb3.8/4, mb1 4.2/4, mb1mx3.7/33, mbtmp3.8/4, MS3.2/1, Ms1 3.2/1, ms1mx2.9/26, Error ellipse: s-maj=187.7km s-min=29.0km az=146.0, Samoa Islands region

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like H11S2 WAKE ISLAND Hy, H11S3 WAKE ISLAND Hy, etc.

IDC 24 13:27:31.4±5.8, 39.38N, 110.69E, h0km, mb3.4/3, mb1 3.6/4, mb1mx3.2/59, mbtmp3.5/4, ML2.8/1, Error ellipse: s-maj=123.1km s-min=29.0km az=84.0, Western Nei Mongol

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SONM Sogino Array, MKAR Makanchi Array, etc.

ISCJB 24 13:46:27.5±0.7, 30.19N, 105.138E, 0.01, h350km, mb3.1/4, Error ellipse: s-maj=14.6km s-min=5.8km az=164.5 IDC 24 13:46:29.3±1.5, 30.25N, 139.02E, h370km, 27km, mb3.0/4, mb1 3.0/8, mb1mx2.8/34, mbtmp3.8/8, Error ellipse: s-maj=64.7km s-min=11.9km az=76.0 JMA 24 13:46:31.0±0.2, 30.38N, 139.49E, h370km, M3.6 ISC 24 13:46:28.2±0.9, 30.25N, 139.07E, 0.01, h350km, n15, c2516/19, mb3.3/4, Southeast of Honshu

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like CBJJ Chichijima, JCYJ Chichijima, BSO1 Odawara 2, etc.

TAP 24 13:48:57.1, 23.27N, 120.78E, h15km, ML1.1, A, Taiwan

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like STYT Tauyuan, TPUB Ta-pu, etc.







Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like KURK, KURBB, AAK, KK31, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like MOTA, ABTA, DAVA, FETA, etc.

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other technical details. Includes stations like SVW2, AUL, PTE, etc.

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mb1 4.2/25, mb1mx4.1/40, mbtmp4.6/25, Error ellipse: s-maj=11.4km s-min=8.0km az=87.0

ISCJB 24 14:51:20.0, 0.3, 7.50S, 0.02:128.68E, 0.03, h157km, 3km, mb4.5/7.9, Error ellipse: s-maj=4.6km s-min=3.8km az=151.7

ISC 24 14:51:19.9, 0.6, 7.53S, 0.04:128.63E, 0.04, h140km, 5km, m239, r159/256, mb4.7/7.9, 15C-3D, Banda Sea

Table with columns: Code, Station Name, Az, Az2, Phase, ID, Time, Res, h m s, ISC. Lists various seismic stations and their data points.

Table with columns: CHTO, Chiang Mai, Guiyang, GYA, etc. Lists seismic events with columns for magnitude, time, location, and other parameters.

Table with columns: KSH, Makanchi Array, MK31, MKAR, etc. Lists seismic events with columns for magnitude, time, location, and other parameters.











24d 16h

Table with columns: ID, Name, Time, and other details. Includes entries like TER01 Tubaro-SC, PLCA Paso Flores, PLCA Paso Flores, etc.

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Table with columns: ID, Name, Time, and other details. Includes entries like VNA3 Neumayer Olymp, 453A Whigham, 355A Pearson, etc.

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Table with columns: ID, Name, Time, and other details. Includes entries like W53A Cullowhee, W52A Murphy, X49A Woodville, etc.

Station	Frequency	Power	Modulation	Offset	SNR	Notes	Station	Frequency	Power	Modulation	Offset	SNR	Notes					
R53A	Hurricane	63.71 347	P	P	16 53 51.5 +0.1	WMOK comp=Z,5.0nm,0.7s	N41A	comp=Z,36nm,0.8s	68.22 341	P	P	16 54 19.8 -0.3						
U44B	Burton Farm, H	63.74 340	P	P	16 53 51.5 -0.2	WMOK Wichita Mounta	M43A	Waltham Townsh	68.34 342	P	P	16 54 20.5 -0.4						
NVL	Nlazarrevskaya	63.76 159	eP	P	16 53 51.5 +0.1	N53A	Lisbon	65.89 349	P	P	16 54 05.8 +0.4		319A Douglas	68.42 322	eP	P	16 54 23.3 +1.6	
TXAR	Lajitas Arroy	63.77 325	P	P	16 53 53.2 +1.0	N54A	Moraine State	65.89 349	eP	P	16 54 06.1 +0.6		K48A	Perry	68.46 347	P	P	16 54 21.1 -0.5
TX31	Lajitas Arroy	63.77 325	eP	P	16 53 52.4 +0.2	N54A	Moraine State	65.89 349	P	P	16 54 06.3 +0.8		121A	Cookes Peak, D	68.47 324	P	P	16 54 24.2 +2.1
WHAR	Wooly Hollow	63.77 337	eP	P	16 53 51.8 -0.1	CCM	Cathedral Cave	65.92 339	eP	P	16 54 05.5 -0.2		DRWO	Darlington Wes	68.53 351	P	P	16 54 21.7 -0.3
R52A	Callettsburg	63.86 346	P	P	16 53 52.0 -0.4	CCM	Cathedral Cave	65.92 339	eP	P	16 54 05.5 -0.2		DRCO	St. Marys Ceme	68.53 351	P	P	16 54 22.0 0.0
S49A	Springfield	63.95 344	P	P	16 53 52.3 -0.7	CCM	Cathedral Cave	65.92 339	P	P	16 54 05.7 -0.1		M42A	Sheffield	68.59 342	P	P	16 54 21.6 -0.8
T46A	Princeton	63.96 342	P	P	16 53 52.8 -0.3	R42A	Luebbering	65.98 340	P	P	16 54 06.1 0.0		N40A	Mertquake, Sal	68.60 340	P	P	16 54 22.0 -0.5
Q55A	Buckhannon	63.99 349	P	P	16 53 54.5 +1.2	O49A	Covington	66.00 346	eP	P	16 54 05.7 -0.6		I53A	Kortright Cn E	68.61 350	P	P	16 54 22.2 -0.3
U44A	Portageville	64.00 340	P	P	16 53 54.4 +1.0	O49A	Covington	66.00 346	P	P	16 54 05.9 -0.3		PKRO	Pickering	68.67 351	P	P	16 54 23.2 +0.3
S48A	Wiedeman Farm,	64.03 343	P	P	16 53 52.6 -0.9	O44A	Meyer Farm, Va	66.01 341	P	P	16 54 05.5 -0.8		K46A	Dorr	68.71 345	P	P	16 54 22.2 -1.0
R51A	Hillsboro	64.03 346	P	P	16 53 53.4 -0.1	QSPA	South Pole Qui	66.05 180	eP	P	16 54 07.2 +0.8		KSU1	Kansas State U	68.73 336	eP	P	16 54 22.7 -0.7
Q54A	Coxs Mills	64.12 348	P	P	16 53 54.2 +0.1	QSPA	South Pole Qui	66.05 180	P	P	16 54 07.4 +1.0		KSU1	Kansas State U	68.73 336	P	P	16 54 23.5 +0.1
PARMO	Parma	64.17 340	eP	P	16 53 54.6 +0.2	N52A	McGinn's Farm,	66.05 348	P	P	16 54 06.4 -0.1		M41A	Milan	68.74 341	P	P	16 54 22.8 -0.6
R50A	Paris	64.19 345	P	P	16 53 54.3 -0.2	P46A	Roadate	66.17 343	P	P	16 54 06.4 -0.9		L44A	Lake County Fo	68.76 344	P	P	16 54 22.8 -0.6
S47A	Hartford	64.19 343	P	P	16 53 53.7 -0.9	R41A	Rosebud	66.18 339	P	P	16 54 07.3 -0.1		J49A	Marlette	68.79 347	P	P	16 54 23.1 -0.6
W39A	Magazine	64.23 336	eP	P	16 53 55.7 +0.9	M55A	Ridgway	66.19 350	P	P	16 54 07.9 +0.5		I51A	Listowel	68.83 349	P	P	16 54 24.2 +0.3
W39A	Magazine	64.23 336	P	P	16 53 55.8 +0.9	P45A	Graceland, Par	66.23 343	eP	P	16 54 06.6 -1.0		J48A	Bridge Port	68.86 347	P	P	16 54 23.2 -0.8
U42A	Reviden	64.37 338	P	P	16 53 55.5 -0.2	P45A	Graceland, Par	66.23 343	P	P	16 54 06.7 -1.0		I52A	Shelburne	68.95 350	P	P	16 54 25.0 +0.4
Q52A	Bidwell	64.38 347	P	P	16 53 55.7 -0.1	Q43A	New Douglas	66.25 341	P	P	16 54 07.2 -0.6		L43A	Garden Prairie	68.98 343	P	P	16 54 24.7 -0.1
R49A	Shelbyville	64.40 344	P	P	16 53 55.6 -0.3	O48A	Farmland	66.26 345	P	P	16 54 07.3 -0.6		DELO	Deloro Mine	69.02 352	P	P	16 54 25.0 0.0
P55A	Reedsville	64.44 349	P	P	16 53 57.1 +0.9	N51A	Ashland	66.29 347	P	P	16 54 07.7 -0.3		J47A	Summer	69.02 346	P	P	16 54 24.7 -0.3
ABTX	Abilene, Hawle	64.53 330	eP	P	16 53 56.6 +0.1	N50A	Nevada	66.30 347	P	P	16 54 07.7 -0.4		M40A	Post Highland	69.06 341	P	P	16 54 25.0 -0.3
ABTX	Abilene, Hawle	64.53 330	P	P	16 53 57.0 +0.5	M54A	Oil Creek Stat	66.37 350	eP	P	16 54 08.5 -0.1		L42A	Oliver	69.07 342	eP	P	16 54 24.9 -0.5
PBMO	Poplar Bluff	64.49 339	eP	P	16 53 56.4 -0.1	M54A	Oil Creek Stat	66.37 350	P	P	16 54 09.0 +0.5		L42A	Oliver, Polo	69.07 342	P	P	16 54 25.0 -0.5
S46A	Don Dixon Farm	64.50 342	P	P	16 53 55.7 -0.9	P44A	Sand Creek, Wi	66.42 342	P	P	16 54 08.1 -0.8		BNM	Barren Site	69.11 326	eP	P	16 54 27.1 +1.0
T44A	Benton	64.51 340	P	P	16 53 56.3 -0.4	M53A	WI Miller and	66.47 349	P	P	16 54 09.7 +0.6		BWLO	Walkerton	69.15 349	P	P	16 54 26.2 +0.4
U41A	Viola	64.53 338	P	P	16 53 56.8 -0.4	Q42A	Golden Eagle	66.47 340	P	P	16 54 09.0 -0.3		LENM	Lemitar	69.30 325	eP	P	16 54 28.2 +1.0
MCWV	W Mont Chateau	64.59 349	P	P	16 53 58.0 +0.8	O47A	Sheridan	66.49 344	P	P	16 54 08.6 -0.7		J46A	Howard City	69.31 346	P	P	16 54 26.9 0.0
WCI	Wyandotte Cave	64.63 343	eP	P	16 53 56.6 -0.8	BINY	Binghamton	66.53 353	P	P	16 54 10.7 +1.1		BRCO	Bruce Peninsula	69.343 349	P	P	16 54 27.1 +0.2
WCI	Wyandotte Cave	64.63 343	eP	P	16 53 56.6 -0.8	MNTX	Cornudas Mount	66.54 325	eP	P	16 54 09.3 -0.5		M39A	Webster	69.33 340	P	P	16 54 26.5 -0.5
WCI	Wyandotte Cave	64.63 343	P	P	16 53 56.7 -0.7	MNTX	Cornudas Mount	66.54 325	P	P	16 54 10.1 +0.2		K43A	Burlington	69.36 343	eP	P	16 54 26.9 -0.3
Q50A	Georgetown	64.64 345	P	P	16 53 57.0 -0.5	M51A	Clyria	66.65 348	P	P	16 54 10.4 +0.1		K43A	Burlington	69.36 343	P	P	16 54 26.9 -0.3
P54A	Burton	64.65 349	P	P	16 53 58.2 +0.7	N49A	Columbus Grove	66.67 346	eP	P	16 54 10.1 -0.3		L41A	Preston	69.37 342	P	P	16 54 26.7 -0.5
Q51A	Peebles	64.67 346	P	P	16 53 57.4 -0.3	N49A	Columbus Grove	66.67 346	P	P	16 54 10.2 -0.3		PLVO	Plevna	69.46 352	P	P	16 54 28.0 +0.2
R48A	Northridge Ran	64.68 344	P	P	16 53 57.5 -0.3	Q41A	Truxton	66.73 340	P	P	16 54 10.6 -0.3		LAZ	Ladron	69.57 325	eP	P	16 54 30.2 +1.3
P53A	Whipple	64.71 348	eP	P	16 53 57.3 -0.6	N48A	Decatur	66.80 345	P	P	16 54 10.6 -0.6		L40A	Anamosa	69.57 341	eP	P	16 54 28.4 -0.1
T43A	Greenville	64.72 340	P	P	16 53 58.0 0.0	L55A	Hinsdale	66.84 351	P	P	16 54 12.3 +0.7		L40A	Anamosa	69.57 341	P	P	16 54 28.4 -0.1
S45A	Carriell Mills	64.75 341	P	P	16 53 57.9 -0.3	P43A	Skaggs, Pawnee	66.84 341	P	P	16 54 11.0 -0.5		L40A	Anamosa	69.57 341	P	P	16 54 28.4 -0.1
R47A	Wooly Knot Far	64.75 343	P	P	16 53 57.4 -0.8	SFIN	Lafayette	66.86 343	eP	P	16 54 10.5 -1.2		L40A	Anamosa	69.57 341	P	P	16 54 28.4 -0.1
U40A	Yellville	64.93 337	P	P	16 53 59.3 -0.1	SFIN	Lafayette	66.86 343	P	P	16 54 10.6 -1.0		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
T42A	Van Buren	64.94 339	eP	P	16 53 58.9 -0.5	M50A	Fremont	66.89 347	P	P	16 54 11.5 -0.3		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
T42A	Van Buren	64.94 339	P	P	16 53 59.0 -0.5	L53A	Girard	66.90 349	P	P	16 54 12.0 +0.1		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
S44A	Carbondale	64.96 341	P	P	16 53 59.1 -0.4	O45A	Potomac	66.90 343	P	P	16 54 11.0 -0.9		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
Q52A	Corning	65.00 347	P	P	16 53 59.7 -0.1	N47A	Urbana	66.98 345	P	P	16 54 11.6 -0.8		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
P49A	Aurora	65.01 345	P	P	16 53 59.5 -0.4	ERPA	Erie	67.01 350	P	P	16 54 13.1 +0.5		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
O55A	Ligonier	65.04 350	P	P	16 54 00.9 +0.9	O44A	Mansfield	67.02 342	P	P	16 54 11.8 -0.9		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
P51A	Williamsport	65.05 346	eP	P	16 53 59.9 -0.2	P42A	Winchester	67.03 341	eP	P	16 54 12.1 -0.6		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
P51A	Williamsport	65.05 346	P	P	16 53 59.7 -0.4	P42A	Winchester	67.03 341	P	P	16 54 12.2 -0.6		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
S43A	Fulton Ridge,	65.10 340	P	P	16 54 00.1 -0.4	MSTX	Muleshoe	67.04 328	eP	P	16 54 13.2 +0.1		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
Q48A	North Vernon	65.14 344	P	P	16 54 00.1 -0.7	MSTX	Muleshoe	67.04 328	P	P	16 54 13.7 +0.7		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
T41A	Mountain View	65.17 338	P	P	16 54 00.9 -0.1	M49A	Liberty Center	67.15 346	P	P	16 54 13.0 -0.5		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
O54A	Avella	65.20 349	P	P	16 54 01.4 +0.3	N46A	Monticello	67.25 344	P	P	16 54 13.4 -0.7		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
R45A	Skylar, Fairri	65.23 342	P	P	16 54 00.4 -0.9	AMTX	Amarillo	67.27 330	eP	P	16 54 14.8 +0.3		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
SPSA	Standing Stone	65.24 351	P	P	16 54 01.9 +0.6	AMTX	Amarillo	67.27 330	P	P	16 54 14.9 +0.3		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
HHAR	Hobbs	65.25 336	eP	P	16 54 01.5 0.0	K55A	Perry	67.32 351	P	P	16 54 14.9 +0.3		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
Q47A	Bedford North L	65.33 343	P	P	16 54 01.0 -0.9	P41A	Barry, Barry	67.34 340	P	P	16 54 14.3 -0.4		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
P50A	Jamestown	65.33 346	P	P	16 54 01.5 -0.4	U32A	Winter Ranch,	67.34 332	eP	P	16 54 14.7 -0.1		ANMO	Albuquerque	69.64 326	d/P	P	16 54 30.6 +1.3
O52A	Adamsville	65.41 348	P	P	16 54 02.6 +0.2	O43A	Sugar Creek Fa	67.38 342	P									

24d 16h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like F49A Sandfield, G46A Petoskey, I41A Arkdale, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like IKP comp=Z,18nm,1.0s, E39A Mellin, LSQQ Lelbel-sur-Que, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like CWC Cottonwood Cre, BW06 Boulder Array, BW06 Boulder Array, etc.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.

Table with columns: Station Name, Azimuth, Elevation, Azimuth Error, Elevation Error, Azimuth Rate, Elevation Rate, Azimuth Accuracy, Elevation Accuracy, Azimuth Precision, Elevation Precision, Azimuth Resolution, Elevation Resolution, Azimuth Bandwidth, Elevation Bandwidth, Azimuth Frequency, Elevation Frequency, Azimuth Wavelength, Elevation Wavelength, Azimuth Velocity, Elevation Velocity, Azimuth Acceleration, Elevation Acceleration, Azimuth Deceleration, Elevation Deceleration, Azimuth Jerk, Elevation Jerk, Azimuth Snap, Elevation Snap, Azimuth Crackle, Elevation Crackle, Azimuth Pop, Elevation Pop, Azimuth Click, Elevation Click, Azimuth Whistle, Elevation Whistle, Azimuth Hum, Elevation Hum, Azimuth Buzz, Elevation Buzz, Azimuth Rattle, Elevation Rattle, Azimuth Rumble, Elevation Rumble, Azimuth Roar, Elevation Roar, Azimuth Scream, Elevation Scream, Azimuth Shout, Elevation Shout, Azimuth Yell, Elevation Yell, Azimuth Cry, Elevation Cry, Azimuth Wail, Elevation Wail, Azimuth Howl, Elevation Howl.



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like Kotyrbulak, Medeo, Ulahol, Boomsokoye usch, Naryn, Tokmak 2, TKM2.

MEX 24 18:51:24.0, 5, 13'86N, 92'89W, h16km, 165km, MD4.1, Off coast of Chiapas. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

MEX 24 18:58:18.8, 0.3, 15'96N, 96'02W, h44km, 4km, MD4.0, Near coast of Oaxaca. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

GUC 24 19:08:08.0, 0.4, 34'36S, 74'03W, h29km, 3km, ML3.7, Off coast of central Chile. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

IDC 24 19:12:35.1, 3.0, 8'03S, 119'95E, h192km, 23km, mb2.5/2, mb1 2.8/4, mb1mx2.6/38, mbtmp3.2/4, Error ellipse: s-maj=92.1km s-min=14.6km az=47.0, Flores region. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

IDC 24 19:18:15.2, 3.3, 6'21S, 153'98E, h0km, mb3.4/3, mb1 3.7/3, mb1mx3.4/29, mbtmp3.5/3, Error ellipse: s-maj=112.1km s-min=34.8km az=114.0, New Britain region. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

IDC 24 19:18:12.8, 37'60N, 26'52E, h10km, ML3.5/18, ISCJB 24 19:26:13.5, 0.5, 37'62N, 02'26E, h4km, h8km, 4km, Error ellipse: s-maj=3.5km s-min=3.0km az=7.9. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

IDC 24 19:26:13.0, 1.1, 37'61N, 02'26E, h10km, 10km, n63, c074/80, Dodecanese Islands. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

BDRM Kayabasi 0.91 127 P Pb 19 26 31.1 +0.3. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

AMGA Amorgos Island 0.93 214 P S Pn 19 26 31.7 -0.5. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

ARG Arhangelos 1.89 137 PN Pn 19 26 45.5 +0.2. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

STIA Sitta Lasithi 2.43 189 P Pn 19 26 53.0 +0.2. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

SHLS Shalko 0.63 345 Op P ISC 19 41 22.0 +0.2. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

SHLS Shalko 0.63 345 Op P ISC 19 41 22.0 +0.2. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

SATY Saty 1.07 299 eP Pb 19 41 29.9 +0.5. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

ISCJB 24 19:44:35.4, 0.4, 5'32N, 0'03:73'73W, h161km, 3km, mb3.3/5, Error ellipse: s-maj=5.9km s-min=4.0km az=16.6. IDC 24 19:44:36.2, 0.6, 5'28N, 73'65W, h156km, 4km, mb3.1/5, mb1 3.5/6, mb1mx3.1/27, mbtmp3.7/6, MS2.8/1, Ms1 2.8/1, ms1mx2.3/18, Error ellipse: s-maj=19.5km s-min=11.5km az=121.0.

ISC 24 19:44:36.5, 0.7, 5'32N, 0'03:73'74W, h165km, 5km, n34, c1815/55, mb3.4/5, 8C-6D, Colombia. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

CHIC Chingaza 0.68 179 Op Pn 19 45 59.6 -0.5. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

BARC Barichara 1.38 24 eP Pn 19 45 05.7 0.0. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

YOTO Fotoco, Valle 2.91 243 eP Pn 19 45 22.9 -0.3. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

SDV Santo Domingo 4.70 41 P Pn 19 45 46.3 -0.1. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.

JMA 24 19:45:38.8, 0.1, 33'50N, 137'03E, h392km, M3.5, ISCJB 24 19:45:41.2, 0.7, 33'9N, 0'1:137'3E, h400km, mb3.0/4, Error ellipse: s-maj=22.9km s-min=10.0km az=37.8. Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res.





WRKA	Warakurna	47.33 264	P	P	21 02 36.4	-2.3
JAY	Jayapura	48.76 299	P	P	21 02 48.8	-1.2
JAY	comp=Z,31nm,1.0s,baz=231,slow=10,SNR=4.4					
JOHN	Johnston Islan	49.29 11	PFAKE	LR	21 03 10.0	+16
KDU	Kakadu	49.29 281	P	P	21 02 53.4	-0.5
MTN	Manton Dam	50.32 280	P	P	21 03 01.4	-0.4
MTN	Manton Dam	50.32 280	eP	P	21 03 02.2	+0.4
KNRA	Kunururra	50.90 276	P	P	21 03 06.3	+0.1
FITZ	Fitzroy Crossi	52.42 271	P	P	21 03 16.2	-1.1
FITZ	Fitzroy Crossi	52.42 271	eP	P	21 03 16.3	-1.2
FITZ	Fitzroy Crossi	52.42 271	P	P	21 03 16.0	-1.5
FITZ	comp=Z,28nm,0.8s,baz=147,slow=6.1,SNR=22					
WAKE	Wake Island	53.24 342	PFAKE	LR	21 03 40.0	+17
CASY	Casey	53.61 208	eP	P	21 03 26.5	+0.9
CASY	comp=Z,90nm,0.8s					
NWAO	Narrogin (SRO)	53.83 251	P	P	21 03 25.9	-1.9
NWAO	Narrogin (SRO)	53.83 251	P	P	21 03 25.5	-2.3
NWAO	comp=Z,9.3nm,0.8s,baz=209,slow=3.9,SNR=6.6					
KLBR	Kellerberrin	53.84 252	P	P	21 03 25.6	-2.2
MEEK	Meekatharra	54.85 258	P	P	21 03 34.6	-0.7
MUN	Mundaring	54.96 251	P	P	21 03 35.8	-0.2
POHA	Pohakuloa	55.92 26	PFAKE	LR	21 04 00.0	+17
MORW	Morawa	56.09 255	P	P	21 03 41.7	-2.5
SJJI	Sorong	57.04 293	P	P	21 03 50.2	-0.8
GUMO	Guam	57.77 316	LR	LR	21 27 17.5	
BATI	Baumata	57.94 278	LR	LR	21 28 47.0	
QSPA	South Pole Qui	57.95 180	P	P	21 03 58.2	+1.3
QSPA	South Pole Qui	57.95 180	P	P	21 03 58.2	+1.3
RPN	Rapa Nui	58.94 104	PFAKE	LR	21 04 20.0	+16
MIDW	Midway	60.05 1	PFAKE	LR	21 04 20.0	+8.4
KAPI	Kappang	63.98 281	PFAKE	LR	21 04 50.0	+12
DAV	Davao City (W)	66.41 295	PFAKE	LR	21 05 10.0	+16
PWJI	Pagerwojo	69.07 274	P	P	21 05 12.9	+1.9
JCJ	Chichijima	70.11 323	LR	LR	21 31 10.3	
PMSA	Palmer Station	70.64 155	PFAKE	LR	21 05 30.0	+10
MAW	Mawson	70.67 201	P	P	21 05 23.7	+3.7
MAW	comp=Z,23nm,0.8s,baz=115,slow=7.9,SNR=3.1					
KKM	Kota Kinabalu	73.15 289	eP	P	21 05 34.5	-1.4
SNA	Sanae	76.39 178	P	P	21 05 54.3	+0.6
SNA	Sanae	76.39 178	eP	P	21 05 54.5	+0.8
SNA	Sanae	76.39 178	eP	P	21 05 54.5	+0.8
VNA3	Neumayer Olymp	76.54 176	P	P	21 05 54.8	+0.3
VNA2	Neumayer-Watz	76.98 177	P	P	21 05 57.6	+0.7
NVL	N'lazarevskaya	77.12 183	iP	P	21 06 05.6	+7.9
NVL	N'lazarevskaya	77.12 183	iP	P	21 06 05.6	+7.9
NVL	N'lazarevskaya	77.12 183	iP	P	21 06 05.6	+7.9
NVL	comp=Z,20nm,0.9s					
VNA1	Neumayer-Stat	77.21 176	P	P	21 05 59.1	+0.9
MDSI	Maura Dua	77.36 273	P	P	21 05 55.0	-5.0
MJAR	Matsushiro Arr	79.72 325	P	P	21 06 11.9	-0.5
MAJO	Matsushiro	79.72 325	PFAKE	LR	21 06 20.0	+7.5
MAJO	Matsushiro	79.72 325	eP	P	21 06 11.4	-1.1
SSLB	Suangleung	80.62 306	eP	P	21 06 16.8	-0.8
JNU	Nakatsue	80.91 319	LR	LR	21 37 19.8	
KRUJ	Kerinci	80.92 273	P	P	21 06 17.3	-2.4
TATO	Taipei	81.04 307	PFAKE	LR	21 06 30.0	+10
PLCA	Paso Flores	81.27 133	eP	P	21 06 22.1	+1.0
PLCA	Paso Flores	81.27 133	P	P	21 06 22.0	+0.9
PLCA	comp=Z,42nm,1.4s,baz=230,slow=4.9,SNR=8.1					
EFI	East Falkland	81.29 147	PFAKE	LR	21 06 30.0	+9.2
EFI	East Falkland	81.29 147	eP	P	21 06 20.8	0.0
ERM	Ermo	82.03 332	PFAKE	LR	21 06 40.0	+15
ERM	Ermo	82.03 332	iP	P	21 06 23.0	-1.6
YUK	Yuzh-Kuril'sk	82.72 335	iP	P	21 06 28.3	+0.1
YUK	Yuzh-Kuril'sk	82.72 335	eP	P	21 06 28.3	+0.1
OZH	Quanzhou	83.00 305	iP	P	21 06 51.1	+6.3
OZH	Quanzhou	83.00 305	iP	P	21 06 27.6	+2.5
OZH	Quanzhou	83.00 305	iP	P	21 06 52.0	+3.5
KUR	Kuril'sk	83.06 336	eP	P	21 06 32.8	+2.9
ADK	Adak	83.70 1	PFAKE	LR	21 06 42.5	+2.9
TJN	Taejon	85.25 319	eP	P	21 06 42.1	+0.8
SSE	Sheshan	85.30 311	P	P	21 06 42.5	+0.8
SSE	Sheshan	85.30 311	P	P	21 06 42.1	+0.8
SSE	Sheshan	85.30 311	PFAKE	LR	21 06 50.0	+8.3

GZH	Guangzhou	85.58 304	eP	P	21 06 46.3	+3.0
SKR	Severo-Kuril's	85.62 341	eS	P	21 06 39.2	-3.5
SKR	Severo-Kuril's	85.62 341	eS	P	21 06 39.2	-3.5
SKR	comp=Z,800nm,16.4s					
SKR	comp=Z,21nm,16.0s					
PSI	Prapat	85.66 276	LR	LR	21 46 56.4	
SCZ2	Santa Cruz Isl	85.68 45	P	P	21 06 44.2	+0.6
KSRS	Korea Arr	85.72 320	P	P	21 06 43.4	-0.2
KSRS	comp=Z,5.2nm,0.8s,baz=143,slow=5.9,SNR=18					
KSRS	comp=Z,673nm,21.8s,baz=124,slow=32					
KSAR	Sanja Array Be	85.73 320	P	P	21 06 43.4	-0.3
KSAR	Wonju Array Be	85.73 320	P	P	21 06 43.4	-0.3
KS01	Wonju Array Si	85.75 320	eP	P	21 06 45.3	+1.5
QIZ	Qiongzong	85.79 295	P	P	21 06 45.1	+0.7
QIZ	Qiongzong	85.79 295	P	P	21 17 19.9	+3.3
QIZ	Qiongzong	85.79 295	P	P	21 22 56.3	+2.1
QIZ	comp=Z,640nm,15.7s					
QIZ	comp=Z,680nm,15.2s					
QIZ	comp=Z,960nm,33.3s					
QIZ	Qiongzong	85.79 295	PFAKE	LR	21 07 00.0	+16
SBC	Santa Barbara	85.94 45	P	P	21 06 45.6	+0.8
CIS	Catalina Islan	86.02 46	P	P	21 06 45.4	+0.1
PKM	McPherson Peak	86.19 44	P	P	21 06 46.9	+0.6
FMP	Fort Macarthur	86.31 46	P	P	21 06 47.2	+0.6
YSS	Yuzh-Sakhalins	86.35 334	PFAKE	LR	21 07 00.0	+14
YSS	Yuzh-Sakhalins	86.35 334	eP	P	21 06 46.6	+0.1
YSS	Yuzh-Sakhalins	86.35 334	eP	P	21 06 50.6	-0.5
YSS	Yuzh-Sakhalins	86.35 334	eP	P	21 10 10.5	
YSS	Yuzh-Sakhalins	86.35 334	eP	P	21 17 19.0	-1.9
YSS	Yuzh-Sakhalins	86.35 334	eP	P	21 22 57.3	-4.3
YSS	comp=Z,60nm,0.6s					
YSS	comp=N,20nm,0.4s					
YSS	comp=N,300nm,8.6s					
YSS	comp=E,300nm,14.8s					
YSS	comp=E,500nm,17.0s					
YSS	comp=Z,11nm,17.0s					
SMMC	Simmler	86.38 44	P	P	21 06 46.8	-0.2
109C	Camp Elliot, M	86.48 47	P	P	21 06 47.8	+0.3
DECC	Green Verduci	86.65 46	P	P	21 06 48.1	-0.2
OSI	Osito Audet: C	86.66 45	P	P	21 06 48.4	0.0
MURC	Murietta	86.90 47	P	P	21 06 50.2	+0.6
MONP2	Monument Peak	86.91 48	P	P	21 06 50.0	+0.1
ARVC	Arvin	86.94 45	P	P	21 06 50.2	+0.5
IKP	In-Ko-Pah, Jac	86.95 48	P	P	21 06 50.3	+0.4
BFSC	Mount Baldy Ra	87.05 46	P	P	21 06 50.7	+0.3
TEY	Ternei	87.24 330	eP	P	21 06 50.3	-0.5
TEY	Ternei	87.24 330	eP	P	21 06 50.3	-0.5
TEY	comp=E,10.0nm,1.0s					
PET	Petropavlovsk	87.25 346	PFAKE	LR	21 07 00.0	+9.3
PET	Petropavlovsk	87.25 346	eP	P	21 06 50.9	+0.2
PET	Petropavlovsk	87.25 346	eP	P	21 17 13.6	
PET	Petropavlovsk	87.25 346	eP	P	21 17 27.7	-1.6
EDW2	Edwards Air Fo	87.28 45	P	P	21 06 51.6	+0.2
YES	Vestal, Richgr	87.28 44	P	P	21 06 51.1	-0.3
SWFS	Sam W. Stewart	87.34 48	P	P	21 06 51.7	+0.1
PFO	Pinyon Flats O	87.37 47	PFAKE	LR	21 07 00.0	+8.0
PFO	Pinyon Flats O	87.37 47	P	P	21 06 54.6	+2.6
PFO	Pinyon Flats O	87.37 47	P	P	21 06 51.9	-0.1
NJ2	Nanjing	87.43 311	eP	P	21 06 54.1	+2.0
NJ2	Nanjing	87.43 311	eP	P	21 17 31.8	-0.2
NJ2	comp=Z,15nm,0.8s					
NJ2	comp=Z,630nm,8.0s					
NJ2	comp=Z,690nm,14.6s					
NJ2	comp=Z,600nm,18.4s					
VJG	Valley Oaks Go	87.44 44	P	P	21 06 52.0	0.0
BBRC	Big Bear Solar	87.52 46	P	P	21 06 52.7	-0.1
ISA	Isabella, Lake	87.52 45	P	P	21 06 53.1	+0.5
PEA0B	Petropavlovsk	87.53 346	eP	P	21 06 51.4	-0.7
PETK	Petropavlovsk	87.53 346	eP	P	21 06 52.1	0.0
PETK	Petropavlovsk	87.53 346	eP	P	21 06 51.8	-0.3
PETK	comp=Z,25nm,0.9s,baz=140,slow=7.2,SNR=20					
HOPE	Hope Point	87.69 159	PFAKE	LR	21 07 00.0	+6.8
MSHR	Mys Shuitssa	87.83 325	eP	P	21 06 51.7	-2.1
LRMC	Laurel Mt Rad	87.87 45	P	P	21 06 55.1	+0.7
RRX	Edison Barnstow	87.88 46	P	P	21 06 54.3	+0.1
BELC	Belle Mtn. Jos	87.91 47	P	P	21 06 54.8	+0.2
LCO	Las Campanas	87.97 123	PFAKE	LR	21 07 10.0	+15
GL3	Big Chuckawall	88.03 48	P	P	21 06 55.0	+0.9
CMB	Columbia Coile	88.04 42	eP	P	21 06 54.0	-1.0
CMB	Columbia Coile	88.04 42	eP	P	21 06 54.0	-1.0
TRQA	Tornquist	88.16 135	PFAKE	LR	21 07 10.0	+14
TRQA	comp=Z,11nm,19.0s					
TRQA	comp=Z,11nm,19.0s					
HEC	Hector Ludlow	88.25 46	P	P	21 06 56.3	+0.2
GSC	Goldstone Bar	88.28 46	P	P	21 06 56.9	+0.7
CWC	Cottonwood Cre	88.28 44	P	P	21 06 56.6	+0.3
MPMC	Manual Prospec	88.38 45	P	P	21 06 57.1	+0.3
IRM	Iron Mountain	88.55 48	P	P	21 06 58.4	+0.9

214A	Organ Pipe Nat	88.62 50	P	P	21 06 58.0	+0.1
GMRC	Granite Mounta	88.64 47	P	P	21 06 58.7	+0.7
MLAC	Mammoth, Mammo	88.65 43	P	P	21 06 58.5	+0.3
USRK	Ussuriysk Ar.	88.66 327	P	P	21 06 57.3	-0.3
USRK	comp=Z,26nm,1.0s,baz=132,slow=3.3,SNR=25					
Y12C	Blythe	88.67 48	P	P	21 06 58.7	+0.7
O03E	Paynes Creek	88.85 39	P	P	21 06 58.5	-0.3
N02D	Trinity Center	88.85 38	P	P	21 06 59.4	+0.6
SHUC	Turquoise Moun	88.91 46	P	P	21 06 59.5	+0.2
THOQ	Shoshone, Tecu	89.00 46	P	P	21 06 59.6	+0.1
FURC	Furnace Creek,	89.03 45	P	P	21 06 59.8	+0.3
M02C	Callahan	89.08 38	P	P	21 06 59.9	+0.1
GRAC	Grapevine Rang	89.08 44	P	P	21 07 00.3	+0.4
SKNT	Sakolnakorn	89.20 291	P	P	21 07 04.7	+3.8
PNTR	Pine Nut	89.22 41	eP	P	21 07 00.5	-0.2
L02E	Cave Junction	89.24 37	P	P	21 07 00.5	0.0
PDMO1	Parker Dam,Lak	89.27 48	P	P	21 07 01.0	+0.1
NEE2	Needles Airpor	89.28 47	P	P	21 07 01.8	+0.9
NV01	Mina Array Sit	89.50 43	eP	P	21 07 02.1	0.0
NVAR	Mina Array Bea	89.50 43	P	P	21 07 02.6	+0.5
NVAR	comp=Z,9.9nm,0.9s,baz=223,slow=7.0,SNR=27					
NVAR	comp=Z,3um,18.7s,baz=218,slow=32					
K02D	Willamette Mer	89.60 37	P	P	21 07 02.2	-0.1
TYV	Tymovskoe					

24d 20h

Table with columns: F04D, Rainier, OR, 92.37, 35, P, P, 21 07 15.2 +0.3, etc. Includes entries like GYA, Rainier, OR, 92.37, 35, P, P, 21 07 17.4 +1.4, etc.

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Table with columns: CD2, comp=Z,2um,15.2s, LR, LR, 97.26, 51, P, P, 21 07 38.0 +0.2, etc. Includes entries like T25A, comp=Z,2um,16.7s, 97.26, 51, P, P, 21 07 38.0 +0.2, etc.

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Table with columns: LSA, comp=Z,481nm,20.0s, LR, LR, 106.51, 63, PFAKE, LR, 21 12 40.0 +10, etc. Includes entries like BRAL, comp=Z,7.13nm,20.0s, 106.51, 63, PFAKE, LR, 21 12 40.0 +10, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like KSH, NRK, KURK, AAK, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like LOF, GROC, TBLG, GNI, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MAZI, BAYB, SOC, TBLU, etc.

24d 21h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.





24d 23h

Table with columns: EOS1, EOS1, 1.89, 4, eP, Pn, 22 01 16.6 +0.7, etc. Lists various station data for the 24d 23h period.

ICD 24 22:07:49.5:6.1, 30'655x178'75W, h0km, mb3.5/2, mb1 3.7/2, mb1mx3.6/24, mbtmp3.5/2, Error ellipse: s-maj=241.6km s-min=58.0km az=155.0, Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Lists station data for the ICD 24 22:07:49.5 event.

ICD 24 22:12:42.6:3.1, 31'955x177'95W, h0km, mb3.6/2, mb1 3.8/3, mb1mx3.7/24, mbtmp3.6/3, ML3.2/1, Error ellipse: s-maj=73.2km s-min=45.9km az=121.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Lists station data for the ICD 24 22:12:42.6 event.

ICD 24 22:39:12.6:2.6, 6'85N, 123'88E, h602km, 32km, mb2.9/5, mb1 3.1/5, mb1mx2.5/4, mbtmp4.0/5, Error ellipse: s-maj=70.8km s-min=12.6km az=60.0, Mindanao

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Lists station data for the ICD 24 22:39:12.6 event.

ICD 24 22:44:12.9:6.9, 23'18S, 179'96W, h439km, 80km, mb3.3/3, mb1 3.5/4, mb1mx3.1/47, mbtmp4.2/4, Error ellipse: s-maj=55.1km s-min=37.1km az=171.0, ISCJB 24 22:44:19.1:1.9, 23'6S, 0'1:180'0W, 0.4, h543km, mb3.6/3, Error ellipse: s-maj=43.4km s-min=15.3km az=174.1, ICD 24 22:44:19.5:1.6, 23'8S, 0'1:179'9W, 0.3, h543km, n6, s105/7, mb3.6/3, South of Fiji Islands

ICD 24 22:44:37.3:2.9, 32'20S, 178'13W, h0km, mb3.8/2, mb1 4.0/3, mb1mx3.7/42, mbtmp3.8/3, ML3.2/1, Error ellipse: s-maj=67.7km s-min=35.7km az=116.0, South of Kermadec Islands

2013 FEB

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Lists station data for the 2013 FEB period.

ICD 24 22:53:48.9:3.3, 32'26S, 178'19W, h0km, mb3.6/2, mb1 3.8/3, mb1mx3.7/27, mbtmp3.6/3, ML3.1/1, Error ellipse: s-maj=73.7km s-min=36.9km az=113.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Lists station data for the ICD 24 22:53:48.9 event.

ICD 24 23:12:01.3:2.2, 32'29S, 178'11W, h0km, mb3.9/2, mb1 4.1/3, mb1mx3.8/22, mbtmp3.9/3, ML3.7/1, MS3.9/1, Ms1 3.9/1, ms1mx2.8/38, Error ellipse: s-maj=60.3km s-min=33.6km az=124.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Lists station data for the ICD 24 23:12:01.3 event.

KRNET 24 23:22:01.7:0.1, 42'50N, 79'65E, h8km, mb2.4, SOME 24 23:22:02.6:42'53N, 79'67E, h10km, NNC 24 23:22:02.7:1.1, 42'59N, 79'63E, h0km, mb2.6, mpv2.6, Error ellipse: s-maj=6.9km s-min=3.9km az=137.0, ICD 24 23:22:03.0:1.4, 42'55N, 0'05:79'66E, 0.04, h10km, n43, s105/78, 17C-4D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Lists station data for the ICD 24 23:22:03.0 event.

ICD 24 23:23:01.9:1.9, 7'66S, 122'56E, h0km, mb3.2/1, mb1 3.4/3, mb1mx3.3/34, mbtmp3.2/3, ML3.0/2, MS3.7/1, Ms1 3.7/1, ms1mx2.8/18, Error ellipse: s-maj=288.9km s-min=28.7km az=56.0, Flores Sea

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Lists station data for the ICD 24 23:23:01.9 event.

1776

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Lists station data for the 1776 period.

ICD 24 23:31:14.7:0.9, 32'24S, 177'97W, h0km, mb4.5/9, mb1 4.6/11, mb1mx4.3/44, mbtmp4.5/11, ML4.4/2, MS3.8/5, Ms1 3.8/5, ms1mx3.3/37, Error ellipse: s-maj=31.4km s-min=20.5km az=144.0, ISCJB 24 23:31:15.5:0.6, 32'23S, 0'04:178'1W, 0.1, h20km, mb4.5/11, MS3.7/4, Error ellipse: s-maj=18.4km s-min=2.9km az=16.3, WEL 24 23:31:15.7:1.0, 32'S, 5'17'8W, 1'6, h33km, ML5.2/13, NEIC 24 23:31:16.1:0.5, 32'26S, 177'96W, h10km, mb4.6/3, Error ellipse: s-maj=16.8km s-min=10.5km az=124.0, ICD 24 23:31:18.3:0.7, 32'16S, 0'06:178'2W, 0.1, h20km, n57, s195/176, mb4.5/11, MS3.7/4, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, etc. Lists station data for the ICD 24 23:31:14.7 event.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like RIMUHAU, OMAHOTA, SHANNON STATIO, RUATAHUNA, BLACK STUMP FM, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like MEX 24 23:46:35.2, PINOTEPA, KRNET 25 00:03:13.7, DRK KARAMYK, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like GREEN LAKE, RAOUIL ISLAND, RAOUL ISLAND, etc.

IDC 24 23:32:45.7 1.0, 32.09S; 177.96W, h0km, mb4.3/8, mb1 4.5/8, mb1mx4.1/42, mbtmp4.3/8, MS3.6/1, Ms1 3.6/1, ms1mx3.0/34, Error ellipse: s-maj=44.3km s-min=24.3km az=163.0

ISCJB 24 23:32:47.0 1.1, 32.28S; 0.07; 178.0W; 0.2, h2km, mb4.3/8, Error ellipse: s-maj=27.8km s-min=4.7km az=163.0

WEL 24 23:32:47.9 0.0, 32.5S; 17.8W; 1.1, h83km, mb3.6/2, ISC 24 23:32:49.0 0.9, 32.22S; 0.08; 178.1W; 0.2, h2km, n42, e270/40, mb4.3/8, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like GREEN LAKE, RAOUIL ISLAND, MATAKAOA POINT, etc.

IDC 20 00:05:40.8 1.7, 8.35S; 127.71E, h0km, mb3.6/2, mb1 3.8/6, mb1mx3.5/37, mbtmp3.6/6, ML3.5/3, MS4.1/1, Error ellipse: s-maj=44.2km s-min=26.0km az=64.0, Timor region

WEL 25 00:07:38.9 1.1, 32.5S; 17.8W; 1.9, h33km, ML5.4/13, IDC 25 00:07:38.6 0.7, 32.40S; 178.05W, h0km, mb4.7/11, mb1 4.7/15, mb1mx4.4/42, mbtmp4.6/15, ML3.5/3, MS4.1/1, Ms1 4.1/1, ms1mx3.5/28, Error ellipse: s-maj=20.6km s-min=16.8km az=128.0

ISCJB 25 00:39:50.0 4.2, 32.20S; 0.03; 178.14W; 0.09, h24km, mb4.7/13, MS4.4/2, Error ellipse: s-maj=11.9km s-min=2.9km az=17.1

NEIC 25 00:07:39.7 0.4, 32.21S; 178.05W, h10km, mb4.7/2, Error ellipse: s-maj=12.2km s-min=8.7km az=124.0

GCMT 25 00:07:42.7 0.5, 32.28S; 0.04; 177.63W; 0.04, h21km, 2km, MW5.0/51, Moment Tensor Solution. s28,c37; s51,c68;

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like BAUMATA, BATHI, FITZ FITZCROSSI, etc.

Duration: 0 Moment tensor: Scale 10^16Nm; Mb2.26; 24; Mw=0.02; 17; Mw=2.24; 15; Ms=2.42; 42; Mw=1.14; 12; Ms=2.30; 32; Best double couple; Mod: A4.18300; 1016 NP1=42.00000; 0.7330000; 104.00000; NP2=0.1820000; 0.8220000; 1.5220000; Principal axes: T 4.1160, Plg6.0000, Azm332.0000; N 0.1300, Plg13.0000; Azm218.0000; P -4.2490, Plg26.0000, Azm121.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular

moment-rate function ISC 25 00:07:41.7 0.5, 32.14S; 0.06; 178.1W; 0.1, h24km, n122, e184/126, mb4.7/13, 2C-3D, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like GREEN LAKE, RAOUIL ISLAND, MATAKAOA POINT, etc.

25d Oh

Table with columns: Code, Station Name, Az, AzP, Phase ID, Time, Res, ISC, h, s, O, C. Includes stations like Salakas, Ignalina, Sankia-SIVAS, etc.

IDC 25.00:13.44.0.4, 32.05S:178.04W, h0km, mb4.9/25, mb1.4/9.28, mb1mx4.8/5.1, mbtmp4.8/28, ML4.9/2, MS4.7/23, Ms1.4/7.23, ms1mx4.6/2.7, Error ellipse: s-maj=15.0km, s-min=12.7km, az=156.0.

GCMT 25.00:13.45.2.0, 32.07S:177.67W, 0.03, h21km, 1km, MW5.1/64, Moment Tensor Solution. s42,c50; s64,c84; Duration: 0 Moment tensor: Scale 10^18N/m; Mr-3.82e-26; Mw=2.83e-18; Mo=0.99e-15; Mo2.01e-30; Mo3.16e-10; Mo4.52e-31; Best double couple: Mo.983000/1015 NP1.5e227.00000; s65.00000; -1.01.00000; NP2: 6e71.00000; 8.27.00000; -1.68.00000; Principal axes: T: 4.8660, Plg20.0000, Azm325.0000; N: 0.2330, Plg10.0000; Azm231.0000; P: -5.0000, Plg68.0000; Azm116.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

WEL 25.00:13.45.8.0, 7.32 S:177.8W, 1.3, h33km, ML5.8/18 NEIC 25.00:13.46.2.0, 32.39S:178.14W, h10km, mb5.2/70, MS5.1/60, Error ellipse: s-maj=8.1km s-min=4.1km az=136.0

ISCJB 25.00:13.48.7.0, 31.38S:180.02E:178.19W:0.04, h35km, mb5.1/96, MS5.0/90, Error ellipse: s-maj=5.9km s-min=1.9km az=3.3

MOS 25.00:13.49.6.2, 32.02S:178.03W, h33km, mb5.4/27, MS5.0/14, Error ellipse: s-maj=13.2km s-min=9.7km az=94.3

BUI 25.00:13.49.7.31, 31.86S:177.71W, h43km, mb5.6/21, mb5.3/25, Ms5.2/14, Ms7.4/9/16

ISC 25.00:13.49.4.0, 32.32S:180.04E:177.89W:0.06, h31km, 3km, h32km; pp-P, n55e, 1970/525, mb5.2/95, MS5.0/92, 26C-9D, South of Kermadec Islands

Table with columns: Code, Station Name, Az, AzP, Phase ID, Time, Res, ISC, h, s, O, C. Includes stations like Green Lake, Raoul Island, Matakaoa Point, etc.

2013 FEB

Main table with columns: Code, Station Name, Az, AzP, Phase ID, Time, Res, ISC, h, s, O, C. Includes stations like West Tongariro, Ngauruhoe, BHZH, etc.

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Table with columns: Code, Station Name, Az, AzP, Phase ID, Time, Res, ISC, h, s, O, C. Includes stations like Jayapura, Kakadu, MTN, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Mode, Signal Strength, and other metrics. Includes stations like Mohawk Valley, Devils Postpile, Iron Mountain, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Mode, Signal Strength, and other metrics. Includes stations like GYA, W18A, G05D, etc.

Table with columns: Station ID, Name, Azimuth, Elevation, Frequency, Mode, Signal Strength, and other metrics. Includes stations like RLMT, COLA, ILAR, etc.



WEL 25 00:33:03.4, 39:35.0, 8.177E, h23km, 2km, ML3.5/13, Off east coast of North Island

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WHHZ Waihua, ARHZ Aroha, KNZ Kokohu, etc.

IDC 25 00:36:31.3, 3.4, 31.415E-178.191W, h0km, mb3.7/2, mb1 4.0/2, mb1mx3.7/26, mbtmp3.7/2, Error ellipse: s-maj=206.1km s-min=42.5km az=165.0, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, etc.

IDC 25 00:48:19.9, 4.7, 29.845E-178.74W, h0km, mb3.9/3, mb1 4.1/3, mb1mx3.8/18, mbtmp3.8/3, Error ellipse: s-maj=215.0km s-min=67.7km az=162.0, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, etc.

IDC 25 00:54:15.3, 1.8, 31.26N, 85.96E, h0km, mb3.4/5, mb1 3.7/7, mb1mx3.3/50, mbtmp3.4/7, ML3.5/2, Error ellipse: s-maj=94.1km s-min=19.7km az=63.0

ISCJB 25 00:54:18.2, 1.5, 31.3N, 0.2, 86.0E, 0.5, h33km, mb3.5/5, Error ellipse: s-maj=67.7km s-min=12.6km az=152.3

ISC 25 00:54:20.8, 1.6, 31.4N, 0.3, 86.2E, 0.5, h35km, n8, 0.6/7/8, mb3.5/5, Xizang

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MKAR Makanchi Array, CMAR Chiang Mai Arr, etc.

ISCJB 25 01:01:40.7, 0.2, 45.329N, 0.010, 7.51E, 0.02, h8km, 1km, mb3.3/5, Error ellipse: s-maj=1.9km s-min=1.5km az=33.6

STR 25 01:01:41.9, 0.5, 45.1N, 2.2, 7.5E, 0.01, h0km, M3.6/6, MLv3.6/6, MLv3.6/6

VIE 25 01:01:41.5, 0.3, 45.40N, 7.44E, h5km, 2km, mb2.9/16, mb3.2/16, ms3.2/2, Error ellipse: s-maj=5.8km s-min=2.4km az=140.0

ROM 25 01:01:41.8, 0.1, 45.342N, 0.006, 7.44E, 0.01, h16km, 2km, ML3.3/42

LDG 25 01:01:42.4, 0.1, 45.34N, 7.43E, h8km, M3.5/3, M3.6/48, Error ellipse: s-maj=1.3km s-min=1.1km az=90.0

ZUR 25 01:01:42.2, 4.5, 33N, 7.49E, h17km, 3km, MLh3.5/16, Error ellipse: s-maj=5.9km s-min=1.1km az=178.0

GEN 25 01:01:42.1, 4.5, 35N, 7.46E, h11km, 2km, ML3.3, PRU 25 01:01:42.8, 0.0, 45.13N, 7.45E, h30km

BNS 25 01:01:45.3, 0.3, 45.43N, 7.81E, h10km, ML3.1, BGR 25 01:01:45.1, 0.7, 45.39N, 7.56E, h10km, ML3.8/3, Error ellipse: s-maj=13.3km s-min=6.7km az=91.0

IDC 25 01:01:45.3, 0.4, 45.36N, 7.45E, h47km, 15km, mb3.0/6, mb1 3.4/14, mb1mx3.2/50, mbtmp3.4/14, ML2.4/23, Error ellipse: s-maj=23.8km s-min=13.2km az=135.0

ISC 25 01:01:42.0, 0.8, 45.35N, 0.01, 7.45E, 0.01, h18km, 3km, n227, 0.26/040, mb3.3/5, 7C-9D, Northern Italy

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like RSP Reno Superiore, etc.

Main table with columns: LSD, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Lago del Serru, Monaco, MRGE, etc.

Table with columns: RRL, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Roselend, Montbardon, etc.











25d 2h

Table with columns for station name, frequency, power, and other technical details. Includes stations like ARMA Armadale, RMQ Roma, CTA Charters Tower, etc.

2013 FEB

Table with columns for station name, frequency, power, and other technical details. Includes stations like YSS YSS, ARVC Arvin, KARS Korea Array, etc.

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Table with columns for station name, frequency, power, and other technical details. Includes stations like Y14A Wickenburg, NJ2 Nanjing, R11A Troy Canyon, etc.

MPU	Maple Canyon	81.49	45	eP	P	03 11 55.5 +2.4
HVU	Hansel Valley	81.57	43	eP	P	03 11 54.1 +0.6
HVU	Hansel Valley	81.57	43	eP	P	03 11 54.1 +0.6
MCK	McKinley	81.62	12	eP	P	03 11 53.0 -0.1
MCK	McKinley	81.62	12	eP	P	03 11 53.0 -0.1
PAX	Paxson	81.69	14	eP	P	03 11 55.8 +2.3
PAX	Paxson	81.69	14	eP	P	03 11 55.8 +2.3
CTU	Camp Tracy	81.73	44	eP	P	03 11 56.0 +1.6
SEY	Seymchan	81.75	3461	eP	P	03 11 52.0 -1.7
SRU	San Rafael Swe	81.83	46	eP	P	03 11 56.8 +1.8
SRU	San Rafael Swe	81.83	46	eP	P	03 11 56.8 +1.8
P17A	Butcher Ranch	81.84	45	eP	P	03 11 57.7 +2.7
JLU	Jordanelle	81.89	44	eP	P	03 11 56.9 +1.6
HYT	Haines Junctio	82.01	18	eP	P	03 11 58.6 +3.3
MENT	Mentasta	82.08	14	eP	P	03 11 58.0 +2.5
TCUT	Toone Canyon	82.16	44	eP	P	03 11 56.0 -0.7
LAZ	Ladron	82.23	51	eP	P	03 11 59.6 +2.4
LENM	Lemitar	82.25	52	eP	P	03 12 00.2 +2.9
NEW	Newport	82.29	35	eP	P	03 11 57.8 +0.8
NEW	Newport	82.29	35	eP	P	03 11 57.8 +0.8
PV05	Paradox Valley	82.36	47	eP	P	03 11 58.3 +0.5
MVCO	Mesa Verde	82.41	48	eP	P	03 12 10.0 +1.2
WRH	Wood River Hill	82.45	12	eP	P	03 11 57.6 +0.2
MLY	Manley	82.46	11	eP	P	03 11 58.5 +1.1
MNTX	Cornudas Mount	82.49	54	eP	P	03 11 59.5 +1.1
MNTX	Cornudas Mount	82.49	54	eP	P	03 11 59.5 +1.1
RIDG	Independ'e Rid	82.50	14	eP	P	03 11 59.7 +2.0
BNM	Barren Site	82.51	52	eP	P	03 12 01.1 +2.4
PV09	Paradox Valley	82.52	47	eP	P	03 12 01.4 +2.7
PV14	Lion Creek, Pa	82.54	47	eP	P	03 12 00.2 +1.5
PV17	East Wray Mesa	82.55	47	eP	P	03 12 01.1 +2.3
PV20	West Nyswonger	82.57	47	eP	P	03 12 01.8 +3.0
PV23	Carpenter Ridg	82.59	47	eP	P	03 12 01.1 +2.0
PV16	Nyswonger Mesa	82.59	47	eP	P	03 12 01.6 +2.6
PV13	Radium Mtn., P	82.59	47	eP	P	03 12 00.8 +1.8
PV03	Paradox Valley	82.62	47	eP	P	03 12 01.0 +1.9
PV11	David Mesa, Pa	82.62	47	eP	P	03 12 00.9 +1.7
HDA	Hardie Lake	82.63	12	eP	P	03 11 57.9 -0.4
PV02	Paradox Valley	82.63	47	eP	P	03 12 01.9 +2.5
PV12	Saucer Basin,	82.68	47	eP	P	03 12 01.9 +2.5
WHY	White Site	82.69	19	eP	P	03 12 02.0 +3.2
PV01	Paradox Valley	82.76	47	eP	P	03 11 58.5 -1.4
IM3	Indian Mountai	82.84	9	eP	P	03 12 00.6 +1.2
PV07	Paradox Valley	82.84	47	eP	P	03 12 02.7 +2.4
TCOL	CIGO, UAF Yank	82.86	12	eP	P	03 11 58.8 -0.6
COLA	College	82.86	12	eP	P	03 11 58.4 -1.0
COLA	College	82.86	12	eP	P	03 12 00.1 +0.7
MDM	Murphy Dome	82.86	12	eP	P	03 12 00.6 +1.1
SCRK	Sand Creek	82.90	14	eP	P	03 12 00.1 +0.2
PV15	Paradox Valley	82.91	47	eP	P	03 12 03.1 +2.4
TX31	Lajitas Ar. Si	82.96	57	eP	P	03 11 59.8 -1.2
TXAR	Lajitas Array	82.96	57	eP	P	03 11 59.8 -2.0
TXAR	Lajitas Array	82.96	57	eP	P	03 11 59.8 -2.0
ANMO	Albuquerque	82.96	51	eP	P	03 12 01.2 +0.3
ANMO	Albuquerque	82.96	51	eP	P	03 12 01.2 +0.3
ANMO	Albuquerque	82.96	51	eP	P	03 12 00.4 -0.6
ILAR	Eielson Array	82.96	12	eP	P	03 11 57.5 -2.6
ILAR	Eielson Array	82.96	12	eP	P	03 11 57.5 -2.6
ILB	Eielson Array	82.96	12	eP	P	03 12 00.5 +0.5
IL1	Eielson Array	82.96	12	eP	P	03 11 59.9 -0.1
MCMT	McKenzie Canyo	83.02	40	eP	P	03 12 01.8 +0.7
AHID	Auburn Hatcher	83.13	42	eP	P	03 12 10.0 +8.3
POKR	Poker Plat Res	83.16	12	eP	P	03 12 00.4 -0.6
MSO	Missoula	83.36	38	eP	P	03 12 02.8 +0.2
MJO	Missoula	83.36	38	eP	P	03 12 02.0 -0.7
BJT	Bajitauau	83.37	314	eP	P	03 12 10.0 +7.3
DLMT	Dillon	83.44	40	eP	P	03 12 02.1 -1.1
TPAW	Teton Pass	83.57	42	eP	P	03 12 05.0 +0.9
FXWY	Fox Creek	83.59	42	eP	P	03 12 04.0 0.0
SNOW	Snow King Moun	83.68	42	eP	P	03 12 06.5 +2.0
MOOW	Moose Ponds	83.82	42	eP	P	03 12 04.5 -0.7
S22A	4UR Ranch, Cre	83.84	48	eP	P	03 12 04.7 -0.8
S22A	4UR Ranch, Cre	83.84	48	eP	P	03 12 04.4 -1.2
LOHW	Long Hollow	83.85	42	eP	P	03 12 06.7 +1.3
O20A	White River Ci	83.86	46	eP	P	03 12 07.2 +1.7
O20A	White River Ci	83.86	46	eP	P	03 12 03.8 -1.6
PRP	Porcupine Dome	83.90	12	eP	P	03 12 06.4 +1.4
QLMT	Earthquake Lak	83.90	40	eP	P	03 12 08.0 +2.4
FLWY	Flag Ranch	84.01	41	eP	P	03 12 07.2 +1.1
YHB	Horse Butte	84.01	41	eP	P	03 12 07.6 +1.4
YPP	Pitchstone Pla	84.03	41	eP	P	03 12 10.2 +3.8

DAWY	Dawson	84.09	15	eP	P	03 12 06.0 +0.1
YFT	Old Faithful	84.09	41	eP	P	03 12 10.6 +3.9
BILL	Bilbino	84.10	354	eP	P	03 12 06.0 +0.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.0 +0.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +0.8
BILL	Bilbino	84.10	354	eP	P	03 22 26.8 -0.8
BILL	Bilbino	84.10	354	eP	P	03 27 55.1 -2.2
BILL	Bilbino	84.10	354	eP	P	03 12 06.6 +



25d 3h

Table with columns: Call sign, Name, Frequency, Power, Mode, Direction, Date/Time. Includes stations like H39A Augusta, BRAL Brewton, JFW5 Jewell Farm, etc.

2013 FEB

Table with columns: Call sign, Name, Frequency, Power, Mode, Direction, Date/Time. Includes stations like AKASG Malin Array B, KIEV KIEV, ESK ESK, etc.

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Table with columns: Call sign, Name, Frequency, Power, Mode, Direction, Date/Time. Includes stations like MTE Manteigas, PMRV Marv???, PAB San Pablo, etc.



25d 3h

Table with columns: PYUN, ILAR, ILB, BRVK, KK31, KKAR, WB2, WR1, WRA, INK, ARU, ABKAR, AS31, ASAR, GEYT, YKA, YKBS, ARAO, ARCES, STKA, FIAO, FINES, KBZ, AKASG, AKAB, NC204, NB2, NB200, NOA, NVAR, PDAR, BR101, BRTR, CCUT, BRG, CLL, GERES, LPAZ. Each row contains station name, frequency, power, and other technical details.

NIED 25 03:52:00.37.60N, 142.10E, h11km, Mw4.0. Best double couple: M=1.20000, 1015 NP1=301, 00000; R36, 00000, 1-87, 00000; NP2=117, 00000; R54, 00000; 1-93, 00000.

IDC 25 03:52:30.3.0.5, 37.65N, 141.99E, h0km, mb4.1/23, mb1 4.3/27, mb1mx4.2/58, mbtmp4.1/27, ML3.6/4, MS4.6/1, Ms1 4.6/1, ms1mx2.9/49, Error ellipse: s-maj=15.7km s-min=13.4km az=102.0

ISCJB 25 03:52:31.4.0.7, 37.68N, 142.02E, 0.04, h20km, 4km, mb4.3/52, Error ellipse: s-maj=5.4km s-min=3.6km az=26.1

JMA 25 03:52:32.4.0.1, 37.66N, 142.02E, h28km, 2km, M4.2 JMA Feit 11

MOS 25 03:52:33.0.1.1, 37.70N, 142.10E, h30km, mb4.5/15, Error ellipse: s-maj=9.0km s-min=5.9km az=93.5

NEIC 25 03:52:35.9.0.7, 37.69N, 142.05E, h38km, 5km, mb4.5/11, Error ellipse: s-maj=7.6km s-min=5.2km az=113.0

NEIC Recorded [1 JMA] in Fukushima, Iwate, Miyagi and Yamagata.

ISC 25 03:52:34.8.1.8, 37.69N, 142.06E, 0.05, h31km, 12km, n134, 0193/154, mb4.3/52, 8C-4D, Off east coast of Honshu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations and their associated codes and times.

2013 FEB

Table with columns: SHO, KUR, KUR, KUR, YSS, YSS, YSS, YSS, USAO, USAR, JUNU, KSR, KSR, KSR, ZEA, NJ2, MA2, MA2, MA2, HMC, HHC, HHC, SEY, SEY, BOD, BOD, ULN, ULN, SONA, SONM, H1N2, H1N1, H1N3, H1S1, H1S3, H1S2, TLY, LZH, LZH, LZH, LZH, LZH, CD2, GTA, GTA, GTA, BILL, BILL, BILL, KMI, KMI, DGZ, DGZ, WMQ, WMQ, WMQ, WMQ, WMQ, ZALV, MK01, MK31, MK31, MKAR, MKAR, MKAR, MKAR, ILAR, KSH, KSH, KSH, AAK, AAK, INK, INK, INK, GAR, GAR, GAR, CHGR, ARU, ARU, ARU, ARU, WRAB, WRAB. Lists seismic events with station names, magnitudes, and times.

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Table with columns: WB2, WRA, ABKAR, AS01, ASAR, RES, RES, YKA, PALK, ARCES, FINES, KBZ, KIV, HFS, NB2, NOA, NVAR, H17A, PDAR, ULM, BRTR, BRTR, VYHS, VYHS, CLL, CLL, CLL, MMAI, CONA, KHC, KHC, KHC, GERES, EKA, MOA, ANMO, ANMO, MEM, MYKA, RETA, FETA, DAVA, TXAR, PCIG, TORD, LPAZ, SILV, PLCA. Lists seismic events with station names, magnitudes, and times.

IDC 25 03:55:41.9.0.8, 31.96S, 177.93W, h0km, mb4.5/6, mb1 4.6/8, mb1mx4.3/41, mbtmp4.5/8, ML4.3/2, Error ellipse: s-maj=26.8km s-min=20.0km az=109.0

NEIC 25 03:55:42.5.0.5, 32.29S, 177.77W, h10km, mb4.3/5, Error ellipse: s-maj=15.9km s-min=6.8km az=110.0

ISC 25 03:55:45.5.0.8, 32.25S, 108.17E, h20km, n45, c309/55, mb4.4/9, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists various stations and their associated codes and times.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like BVAR, KBZ, FIAO, FINESS, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like MDPB, OMMD, YBHA, etc.

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like ILAR, ILB, DLMT, etc.

IDC 25:03:56:12.0L0.7, 15:415S:176:21W, h0km, mb4, 4/19, mb1 4.6/19, mb1mx4.5/42, mbmp4.4/19, MS4.7/28, Ms1 4.7/28, ms1mx4.6/41, Error ellipse: s-maj=28.6km s-min=14.8km az=142.0

NEIC 25:03:56:14.3L0.4, 15:565S:176:12W, h10km, mb4, 8/102, Error ellipse: s-maj=15.6km s-min=7.7km az=159.0

ISCJB 25:03:56:15.8L0.3, 15:485S:0.09:176:10W, 0.06, h26km, mb4, 6/124, MS4.7/29, Error ellipse: s-maj=14.4km s-min=6.2km az=151.0

GCMT 25:03:56:18.3L0.1, 15:195S:0:01:175:98W:0:01, h13km, MW5.3/132, Moment Tensor Solution. s81, c122: s132, c230; Duration: f11 Moment tensor: Scale 1017 Nm; Mn-0.09±.02; Mw0.38±.02; M00-0.29±.02; M10-0.02±.04; M20-0.12±.02; M30-0.14±.04; Best double couple: Mo1:17800±1017 NP1:3e.00000°, δ89,00000°, λ-173,00000°. NP2:2e.278,00000°, δ83,00000°, λ-1,00000°. Principal axes: T 1.2220, P1g4,0000°, Azm143,0000°; N -0.0870, P1g63,0000°, Azm14,0000°; P -1.1340, P1g6,0000°, Azm234,0000°, nst1a refers to body waves, cutoff=40s, nst2a refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 25:03:56:17.1L0.4, 15:555S:0:01:176:06W:0:08, h26km, n226, c1553/197, mb4.7/124, MS4.8/29, 2C-1D, Fiji Islands region

Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like MSVF, NIUE, RAR, etc.

Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like PAHR, NV11, 113A, etc.

Main station list table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res, ISC. Includes stations like ILAR, ILB, DLMT, etc.

25d 5h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, h, m, s, ISC. Includes stations like SOKA Soboth, RETA Reutte, WTTA Wattenberg, etc.

IDC 25 04:03:32.1z2.4, 6.71S: 129.74E, h121km, 22km, mb4.0/9, mb1.4/1.3, mb1mx3.8/46, mbtmp4.4/13, Error ellipse: s-maj=30.8km s-min=11.9km az=79.0

ISCJB 25 04:03:33.6z0.3, 6.81S: 103.92E, h150km, mb4.1/1.3, Error ellipse: s-maj=6.5km s-min=4.2km az=173.7

DJA 25 04:03:35.2z0.3, 7.2S: 2.13E, h174km, 6km, M5.0/12, mb4.8/0.6, mb5.5/6, MLV5.1/12, Mw(MB)5.0/6

NEIC 25 04:03:36.1z0.6, 6.72S: 129.68E, h157km, 6km, mb4.3/7, Error ellipse: s-maj=8.7km s-min=6.9km az=88.0

ISC 25 04:03:34.7z0.5, 6.81S: 104.129E, h150km, n46, z=271/58, mb4.3/13, Banda Sea

Main table for 25d 5h section, listing station data for various stations like SAUI, BNDI, NLANI, etc.

IDC 25 04:07:12.8z42.0, 36.36N: 101.58E, h0km, mb3.1/2, mb1.3/3.4, mb1mx3.1/57, mbtmp3.3/4, ML3.1/2, MS3.4/1, Ms1.3/4.1, ms1mx2.8/15, Error ellipse: s-maj=579.6km s-min=63.0km az=157.0, Qinghai

Table for IDC 25 04:07:12.8z42.0, 36.36N: 101.58E, listing station data for BTO, SONM, MKAR, etc.

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IDC 25 04:10:04.0z0.2, 5.34S: 178.17W, h0km, mb3.6/5, mb1.4/0.5, mb1mx3.7/25, mbtmp3.6/5, MS3.4/1, Ms1.3/4.1, ms1mx3.1/19, Error ellipse: s-maj=76.7km s-min=34.3km az=21.0

ISC 25 04:10:04.7z2.6, 34.9S: 0.5x103.2W, 0.3h10km, n11, z=0917/7, mb3.6/5, West Chile Rise

Table for IDC 25 04:10:04.7z2.6, 34.9S: 0.5x103.2W, listing station data for RPNA, LPAZ, SIV, etc.

IDC 25 04:44:10.0z1.1, 11.36S: 165.76E, h0km, mb4.4/13, mb1.4/5.1, mb1mx4.2/39, mbtmp4.3/13, MS3.7/4, Ms1.3/6/4, ms1mx3.2/41, Error ellipse: s-maj=42.8km s-min=17.5km az=127.0

ISCJB 25 04:44:12.4z0.4, 11.34S: 0.05x165.61E, h0.8h24km, mb4.4/21, MS4.0/4, Error ellipse: s-maj=11.2km s-min=7.0km az=12.5

NEIC 25 04:44:12.5z0.4, 11.21S: 165.58E, h10km, mb4.5/10, Error ellipse: s-maj=13.2km s-min=7.9km az=126.0

ISC 25 04:44:14.5z0.6, 11.26S: 0.07x165.6E, 0.1h24km, n45, z=098/37, mb4.5/21, MS3.9/4, Santa Cruz Islands

Main table for 2013 FEB section, listing station data for DZM, ONTNC, CTA, etc.

NEIC 25 04:51:35.3z0.0, 18.09N: 101.80W, h6km, MD4.0 (MEX), After MEX

Table for NEIC 25 04:51:35.3z0.0, 18.09N: 101.80W, listing station data for ZIIG, ARIG, MOIG, etc.

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R15V 2.33 298 eP Pn 04 52 11.6 -2.6

IDC 25 04:54:03.0z0.3, 8.20S: 173.23W, h596km, 44km, mb3.2/7, mb1.3/5.9, mb1mx3.2/38, mbtmp4.2/9, Error ellipse: s-maj=29.7km s-min=23.5km az=167.0

ISC 25 04:53:57.5z0.9, 20.3S: 0.2x177.9W, 0.2h534km, n16, z=1955/16, mb3.8/7, Fiji Islands region

Table for IDC 25 04:54:03.0z0.3, 8.20S: 173.23W, listing station data for DZM, URZ, CTA, etc.

DDA 25 05:01:47.2z39.10N: 29.47E, h12km, ML2.6

ISCJB 25 05:01:48.1z0.5, 39.08N: 0.03x29.46E, 0.05h10km, 3km, Error ellipse: s-maj=7.3km s-min=4.3km az=35.4

ISC 25 05:01:47.7z0.9, 39.09N: 0.03x29.46E, 0.04h13km, 5km, n18, z=032/25, Turkey

Main table for DDA 25 05:01:47.2z39.10N: 29.47E, listing station data for GDZ, GEDZ, SHAP, etc.

GUC 25 05:02:28.7z0.4, 18.34S: 71.53W, h31km, 4km, ML4.1

ISCJB 25 05:02:29.6z0.8, 18.29S: 0.04x71.55W, 0.06h45km, 8km, mb4.3/15, MS3.6/4, Error ellipse: s-maj=9.2km s-min=5.7km az=163.7

NEIC 25 05:02:30.9z0.8, 18.24S: 71.45W, h41km, 7km, mb4.4/14, ML4.1 (GUC), Error ellipse: s-maj=10.4km s-min=6.7km az=81.0

IDC 25 05:02:33.9z2.1, 18.17S: 71.26W, h61km, 18km, mb3.9/10, mb1.4/0.15, mb1mx3.8/38, mbtmp4.2/15, MS3.7/8, Ms1.3/7.8, ms1mx3.5/26, Error ellipse: s-maj=21.9km s-min=16.1km az=65.0

ISC 25 05:02:31.7z0.9, 18.27S: 0.05x71.47W, 0.06h49km, 10km, n104, z=202/101, mb4.3/15, MS3.6/4, 3C-5D, Off coast of northern Chile

Main table for IDC 25 05:02:33.9z2.1, 18.17S: 71.26W, listing station data for PB12, PSCG, MNMC, etc.







25d 5h

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Table with columns for station name, frequency, power, and other technical details. Includes stations like Jabalpur, Oshpenovka, Erkin-Say, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Kunming, Bhuj, Hyderabad, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like Alibeck, Sadao Pong, Port Blair, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like SNY, MAK, LHMI, SEKA, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like BKNI, USRK, KLR, etc.

Table with columns for station name, frequency, power, and other technical details. Includes stations like ANTO, DAMY, MAJO, etc.



Table with columns: Code, Station Name, Az, El, P, Res, and various technical parameters. Includes stations like BOSA, DBIC, DBIC, TIC, LIC, FCC, etc.

IDC 25 05:16:03.1-3.0, 32.165:177.91W, h0km, mb4.0/2, mb1 4.2/3, mb1mx3.9/26, mbtmp4.0/3, ML3.9/1, Error ellipse: s-maj=73.6km s-min=45.5km az=124.0, South of Kermadec Islands

Table with columns: Code, Station Name, Az, El, P, Res, and various technical parameters. Includes stations like Urewera, ASAR, WRA, FINES, etc.

BUI 25 05:22:17.5, 34.34N:85.69E, h20km, mb4.5/1, mb4.5/23, Ms4.3/6, Ms7 4/24

NEIC 25 05:22:17.3-0.2, 34.32N:85.70E, h10km, mb4.7/30, Error ellipse: s-maj=1.1km s-min=3.2km az=220.0

MOS 25 05:22:18.4, 1.1, 34.32N:85.74E, h31km, mb4.8/39, Error ellipse: s-maj=8.6km s-min=4.4km az=118.5

ISCJB 25 05:22:18.9-0.2, 34.37N:0.02:85.68E:0.03, h33km, mb4.5/80, Error ellipse: s-maj=3.9km s-min=2.8km

NDI 25 05:22:18.4-2.9, 34.23N:85.66E, h10km, mb4.7, mb4.7(NEIC)

IDC 25 05:22:20.5-4.6, 34.33N:85.68E, h33km, 34km, mb4.1/25, mb1 4.3/30, mb1mx4.2/43, mbtmp4.4/30, ML3.7/5, Error ellipse: s-maj=15.2km s-min=12.3km az=27.0

ISC 25 05:22:20.9-0.3, 34.32N:0.05:85.63E:0.04, h35km, n219, r1546/222, mb4.5/82, 2C-1D, Xizang

Table with columns: Code, Station Name, Az, El, P, Res, and various technical parameters. Includes stations like DANN, GUN, KKN, LSA, etc.

Table with columns: Code, Station Name, Az, El, P, Res, and various technical parameters. Includes stations like GTA, Gaotai, MK32, MKAR, etc.

Table with columns: Code, Station Name, Az, El, P, Res, and various technical parameters. Includes stations like GNI, ZEI, ZEI, ZEI, etc.







25d 7h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MNTX, Y55A, SWET, X53A, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like Q44A, Q45A, R50A, S53A, etc.

1800

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other parameters. Includes stations like MNMC, H04A, NEW, C09A, etc.

ISCJB 25 07:10:38.5e-1.1, 11:08S:0:08:166E:0:1, h61km, mb3.9/4, Error ellipse: s-maj=16.6km s-min=8.9km

IDC 25 07:10:38.8t 1.4, 11:02S:166:11E, h51km, 9km, mb3.7/4, mb1 4.0/6, mb1mx3.5/38, mbtmp4.1/6, MS3.1/1, Ms1 3.1/1, ms1mx2.7/46, Error ellipse: s-maj=38.4km s-min=24.7km az=132.0

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, and other parameters. Includes stations like HNR, DZM, H11S2, etc.

ISCJB 25 07:17:08.9:0.4, 46:97N:0:03:147:18E:0:07, h346km, SKHL 25 07:17:08.9:0.8, 47:04N:147:38E, h344km, 9km, mb4.5/4, ms4.5/4

MOS 25 07:17:09.1:0.8, 47:05N:147:23E, h344km, mb3.8/4, Error ellipse: s-maj=15.8km s-min=9.5km az=77.3

IDC 25 07:17:11.4: 1.4, 47:11N:147:14E, h348km, 15km, mb3.3/12, mb1 3.4/21, mb1mx3.2/46, mbtmp4.0/21, Error ellipse: s-maj=16.0km s-min=10.1km az=150.0

ISC 25 07:17:09.7:0.5, 46:93N:0:05:147:21E:0:06, h346km, n51, 1994/67, mb3.6/12, IC 3Z, Northwest of Kuril Islands

Table with columns: Code, Station Name, Az, El, Op, Phase ID, Time, Res, and other parameters. Includes stations like KUR, MKAR, ARCES, etc.





1803

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like Lanzhou, Zhongzhou, and various regional stations.

2013 FEB

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like KWAJ, BAKI, SWI, RKPI, and various regional stations.

25d 7h

Table with columns: Station, Frequency, Power, Direction, and other parameters. Includes stations like SHL, SHL, SHL, and various regional stations.







25d 7h

WSAR	Wadi Sarin	69.32 284	LR	08 08 17.9
BBOO	Buckleboo	69.40 183	eP	07 35 03.6 -0.1
BBOO	comp-Z,103nm,1.1s		LR	
NCK	Naichik	69.44 309	eP	07 35 04.1 +0.1
NCK	comp-Z,8.0nm,0.5s		pmax	
NCK	MLR		MLR	
C06D	Leavenworth	69.45 45	P	07 35 05.6 +1.6
G03D	McMinnville, O	69.51 48	P	07 35 06.2 +1.9
LOH	Longmire	69.55 46	eP	07 35 05.0 +0.3
LOH	comp-Z,7.1nm,1.4s		LR	
LOH	Longmire	69.55 46	eP	07 35 05.0 +0.3
LOH	comp-Z,1.1um,21.0s		pmax	
LOH	comp-Z,7.1nm,1.4s		MLR	MLR
BIDO	Bidbid	69.56 285	P	07 35 09.0 +3.9
BIDO	SNR=6.3		P	07 35 09.0 +3.9
TBLG	Delisi	69.65 307	eP	07 35 05.0 -0.3
TBLG	comp-Z,308nm,1.9s		eP	
TBLG	Delisi	69.65 307	eP	07 35 05.0 -0.3
TBLG	comp-Z,308nm,1.9s		pmax	pmax
I02D	Swisshome	69.74 50	P	07 35 07.4 +1.6
VSU	Vasula	69.75 329	iP	07 35 05.4 -0.1
VSU	comp-Z,396nm,1.3s		pmax	pmax
VSU	MLR		MLR	
VSU	comp-Z,17.1um,18.0s		MLR	MLR
VSU	Vasula	69.75 329	eP	07 35 04.5 -1.0
VSU	comp-Z,5.16nm,1.4s		Iamb	Iamb
KBZ	Khabaz	69.75 310	P	07 35 05.5 -0.3
KBZ	comp-Z,16nm,0.9s,baz=61,slo=6.9,SNR=38		LR	LR
KBZ	Shamm	69.76 288	iP	08 09 45.4
SHME	Shamm	69.76 288	iP	07 35 07.0 +0.8
KIV	Kislovodsk	69.76 310	eP	07 35 06.2 +0.2
KIV	Kislovodsk	69.76 310	eP	07 35 05.8 -0.3
KIV	comp-Z,121nm,1.1s		LR	LR
KIV	Kislovodsk	69.76 310	iP	07 35 06.3 +0.2
KIV	Kislovodsk	69.76 310	iP	07 35 06.7 +0.6
KIV	SNR=49		S	07 35 05.8 -0.3
KIV	Kislovodsk	69.76 310	eP	07 44 16.1 +1.3
KIV	comp-Z,227nm,4.7s		pmax	pmax
KIV	comp-Z,80nm,1.1s		MLR	MLR
KIV	comp-Z,10um,17.0s		MLR	MLR
KIV	Kislovodsk	69.76 310	P	07 35 06.5 +0.4
COR	Corvallis	69.81 49	eP	07 35 07.7 +1.5
COR	comp-Z,245nm,1.3s		eP	
COR	Corvallis	69.81 49	eP	07 35 07.7 +1.5
COR	comp-Z,245nm,1.3s		pmax	pmax
SHAI	Shidzhatmaz	69.89 310	iP	07 35 08.2 +1.1
LTY	Liberty	69.93 46	eP	07 35 08.2 +1.1
B08A	Colville Reser	70.09 44	eP	07 35 09.1 +1.1
B08A	comp-Z,136nm,1.4s		eP	
AGBR	Edson Butte	70.09 51	eP	07 35 11.7 +3.6
AGBR	comp-Z,193nm,1.2s		eP	
MSFE	Esma-Masafi	70.11 287	P	07 35 09.5 +1.1
NEY	Neytrino	70.11 309	iP	07 35 10.1 +1.7
J01E	Myrtle Point	70.19 51	P	07 35 10.8 +2.3
H04D	Lebanon	70.19 49	P	07 35 10.4 +1.9
F05D	White Salmon	70.22 47	P	07 35 10.3 +1.6
I03D	Drain, OR	70.26 50	P	07 35 11.2 +2.3
HATD	Hatta, Dubai	70.41 287	iP	07 35 11.8 +1.5
H04A	Detroit Lake	70.44 48	eP	07 35 11.3 +1.2
SOHO	SOHO	70.47 286	P	07 35 13.2 +2.6
SOHO	SNR=9.1		P	07 35 13.2 +2.6
GNI	Garni	70.48 306	eP	07 35 11.9 +1.3
GNI	Garni	70.48 306	eP	07 35 11.1 +0.5
GNI	comp-Z,309nm,1.8s		LR	LR
GNI	comp-Z,9um,19.0s		P	07 35 12.0 +1.4
GNI	Garni	70.48 306	iP	07 35 11.3 +0.7
GNI	comp-Z,579nm,2.3s		pmax	pmax
GNI	comp-Z,26um,19.0s		MLR	MLR
GNI	Garni	70.48 306	P	07 35 12.3 +1.7
ASHO	Ashiyah	70.54 287	iP	07 35 11.9 +0.8
ASHO	SNR=8.4		P	07 35 14.8 +3.7
ASHO	Ashiyah	70.54 287	P	07 35 14.8 +3.7
ASHO	SNR=5.0		P	07 35 14.8 +3.7
K02D	Willamette Mer	70.60 51	P	07 35 12.7 +1.5
G05D	Wamic, OR	70.65 48	P	07 35 13.5 +2.1
B5Y	Bisya	70.70 284	P	07 35 19.0 +6.9
I04A	Tendick Farm,	70.78 49	P	07 35 13.7 +1.5
E07A	Sunnyside	70.78 46	eP	07 35 13.7 +1.5
SUMG	Summit	70.82 359	eP	07 35 12.6 +0.1
SUMG	comp-Z,290nm,1.2s		LR	LR
SUMG	Summit	70.82 359	iP	07 35 13.2 +0.8
SUMG	comp-Z,746nm,1.2s		pmax	pmax
SUMG	Summit	70.82 359	iP	07 35 13.2 +0.8
FAQ	Al Faqa, Dubai	70.87 287	iP	07 35 13.6 +0.6
L02E	Cave Junction	70.93 51	P	07 35 14.8 +1.7
C09A	Chrisman Ranch	70.99 44	eP	07 35 14.4 +1.0
D08A	Wollman Farm,	71.04 45	eP	07 35 14.7 +1.0
MHTO	MHTO	71.05 282	P	07 35 15.0 +0.8
MHTO	SNR=32		P	07 35 15.0 +0.8
HAWA	Hanford	71.06 46	eP	07 35 15.2 +1.3
HUMO	Hull Mountain	71.09 51	eP	07 35 15.4 +1.3
F07A	Phinny Hill Vi	71.11 46	eP	07 35 14.8 +0.7
ALNE	Al Ain	71.12 286	iP	07 35 15.2 +0.6
I05D	Terrebonne, OR	71.13 48	P	07 35 15.8 +1.5
J04D	Umpqua Nationa	71.27 50	P	07 35 17.3 +1.8
E08A	Dider Farm, El	71.28 46	eP	07 35 16.0 +0.9
NEW	Newport	71.36 43	eP	07 35 16.0 +0.3

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NEW	Newport	71.36 43	eP	07 35 16.0 +0.3
NEW	comp-Z,125nm,1.2s		pmax	pmax
NEW	Newport	71.36 43	P	07 35 17.0 +1.3
KHMM	Horse Mountain	71.54 53	eP	07 35 18.3 +1.2
CLDR	Caldiran	71.55 305	eP	07 35 18.2 +1.0
BATM	Batumi	71.64 308	eP	07 35 17.8 +0.4
IZAR	Zarasai	71.65 327	eP	07 35 17.0 +0.2
PINE	Pine Mountain	71.67 49	eP	07 35 18.9 +1.0
MICGM	Minsk	71.69 325	iP	07 35 17.0 -0.5
MICGM	comp-Z,0.5nm,1.5s		PM	PM
MICGM	ePcP		PcP	07 35 40.0 +3.4
MICGM	ePpP		PP	07 37 59.0 +2.9
MICGM	ePpP		PPP	07 41 23.0
MICGM	ePpS		PpS	07 44 36.0 -0.7
MICGM	eS		S	07 44 36.0 -0.7
MICGM	ePpS		PpS	07 45 06.0 +0.3
MICGM	eSS		SS	07 49 10.0 -1.4
MICGM	eLO		LO	08 00 28.0
MICGM	eLR		LRL	08 03 40.0
MICGM	eLR		LRL	08 10 20.0
MICGM	comp-Z,20nm,14.0s		MLR	MLR
MICGM	comp-E,11nm,16.0s		MLR	MLR
MNK	Minsk	71.69 325	iP	07 35 17.0 -0.5
MNK	e		P	07 35 40.0
MNK	e		P	07 37 59.0
MNK	ePpP		PPP	07 39 40.0
MNK	eS		SS	07 44 36.0 -0.7
MNK	eSS		SS	07 49 10.0 -1.4
MNK	comp-Z,490nm,1.5s		pmax	pmax
MNK	comp-Z,21um,14.0s		MLR	MLR
MNK	MLR		MLR	MLR
IDID	Didziasial	71.70 326	eP	07 35 17.2 -0.3
IDID	comp-Z,41nm,1.1s		Iamb	Iamb
L04D	Klamath Falls	71.70 51	P	07 35 19.5 +1.5
YBH	Yreka Blue Hor	71.72 51	eP	07 35 19.0 +1.0
YBH	comp-Z,157nm,1.5s		eP	
YBH	Yreka Blue Hor	71.72 51	eP	07 35 19.0 +1.0
YBH	comp-Z,157nm,1.5s		pmax	pmax
SOC	Sochi	71.77 311	iP	07 35 18.8 +0.6
SOC	comp-Z,124nm,1.4s		ePpP	ePpP
SOC	eS		S	07 39 39.6
SOC	pmax		pmax	pmax
SOC	comp-Z,48nm,1.2s		MLR	MLR
BCA	Borcka	71.77 308	eP	07 35 18.5 +0.2
BCA	Borcka	71.77 308	iP	07 35 18.9 +0.6
J05D	Fort Rock, OR	71.78 49	P	07 35 20.4 +2.0
E09A	Wood Farm, Sta	71.79 45	eP	07 35 19.4 +1.2
SENK	Senkaya-Erzuru	71.80 307	eP	07 35 19.1 +0.4
ISAL	Salakas	71.81 327	eP	07 35 17.9 -0.3
M02C	Callahan	71.81 52	P	07 35 20.9 +2.3
K04D	Chiloquin, OR	71.82 50	P	07 35 20.5 +1.8
IIGN	Ignalina	71.91 326	eP	07 35 18.7 -0.1
IIGN	comp-Z,56nm,1.2s		Iamb	Iamb
KMRM	Mall Ridge	71.91 53	eP	07 35 20.7 +1.5
AGRB	Hanur-Agry	71.92 306	eP	07 35 20.4 +1.0
NACGM	Naroch	71.94 326	eP	07 35 19.0 0.0
NACGM	comp-Z,0.2nm,1.0s		eP	07 35 20.0 -4.0
NACGM	PM		PM	07 35 23.0
NACGM	ePpP		PP	07 38 13.0 +1.5
NACGM	ePpP		PPP	07 39 20.0
NACGM	eS		SS	07 44 39.0 -0.5
NACGM	eSS		SS	07 49 06.0 -9.1
NACGM	eSSS		SSS	07 53 30.0
NACGM	eLO		LO	08 00 28.0
NACGM	eLR		LRL	08 03 40.0
NACGM	eLR		LRL	08 09 44.0
NACGM	comp-Z,15nm,15.0s		LRM	MLR
NACGM	comp-E,14nm,16.0s		LRM	MLR
NACGM	comp-N,12nm,16.0s		LRM	MLR
DQM	DQM	71.96 282	P	07 35 20.0 +0.3
DQM	SNR=12		P	07 35 20.0 +0.3
G08A	Pinot Rock	72.01 47	eP	07 35 21.5 +1.8
SCO	Scoresbysund	72.09 354	eP	07 35 20.7 +1.1
SCO	comp-N,160nm,1.6s		eP	
SCO	Scoresbysund	72.09 354	iP	07 35 20.2 +0.6
SCO	comp-N,269nm,1.6s		P	07 35 20.2 +0.6
SCO	Scoresbysund	72.09 354	iP	07 35 20.2 +0.6
SCO	comp-Z,270nm,1.6s		pmax	pmax
SLIT	Slitere, Latvi	72.10 330	eP	07 35 17.8 -2.0
N02D	Trinity Center	72.14 52	P	07 35 22.1 +1.6
YANB	Van	72.20 305	eP	07 35 22.1 +1.1
M04C	Macdoel	72.23 51	P	07 35 23.0 +1.8
KCPM	Cahto Peak	72.29 54	eP	07 35 24.7 +3.2
I07A	Izeze	72.37 48	eP	07 35 24.2 +2.2
CAN	Canberra	72.39 172	PFAKE	LR
CAN	comp-Z,3um,20.0s		LR	LR
KOPR	Kopruiy-ERZUR	72.43 307	eP	07 35 23.4 +1.0
MLAZ	Malazgirt-MUS	72.44 306	eP	07 35 23.7 +1.2
ANN	Anapa	72.45 313	eP	07 35 21.0 -1.2
ANN	eS		S	07 38 02.1
ANN	eS		S	07 44 46.8 +1.0
WDC	Whiskeytown Da	72.46 52	eP	07 35 23.6 +1.2
WDC	comp-Z,238nm,2.0s		eP	
WDC	Whiskeytown Da	72.46 52	eP	07 35 23.6 +1.2
WDC	comp-Z,142nm,1.4s		pmax	pmax
NWAO	Narrogin (SRO)	72.47 199	eP	07 35 22.1 -0.1
NWAO	comp-Z,143nm,1.4s		eP	
NWAO	Narrogin (SRO)	72.47 199	eP	07 35 22.1 -0.1
NWAO	comp-Z,186nm,1.1s		pmax	pmax
NWAO	Narrogin (SRO)	72.47 199	P	07 35 22.5 +0.2
NWAO	SNR=8.4		P	07 35 22.5 +0.2
NWAO	Narrogin (SRO)	72.47 199	LR	LR
CHOM	Cayeli-Rize	72.51 308	eP	07 35 24.2 +1.5
O02D	Mt. Diabolo Mer	72.53 53	P	07 35 24.7 +1.8
AKDM	Akdama-Van	72.61 305	eP	07 35 23.0 -0.5
F10A	Beach Ranch, E	72.62 45	eP	07 35 24.5 +1.1
O03E	Paynes Creek	73.09 52	P	07 35 27.1 +0.9
GUDO	Guroymak-BITLI	73.11 306	eP	07 35 24.6 -1.8

KIS	Kishinev	75.94	319	ePP	PP	07 38 48.0	+16
KIS	Kishinev	75.94	319	i/P	P	07 35 41.0	-1.5
KIS				e		07 35 56.0	
KIS				eS	S	07 40 22.0	
KIS				e		07 45 22.0	-2.8
KIS				e		07 45 42.0	
KIS				e		07 46 14.0	
KIS	comp=Z,500nm,2.0s				pmax		
KIS	comp=Z,18um,16.0s				MLR		
BOZ	Bozeman (W)	75.98	43	eP	P	07 35 44.1	+1.1
BOZ	comp=Z,145nm,1.1s				LR		
BOZ	Bozeman (W)	75.98	43	P	P	07 35 44.3	+1.3
DARE	Darende-Malaty	76.02	308	eP	P	07 35 44.0	+0.7
RYN	Ryan	76.12	52	eP	P	07 35 44.9	+0.9
KVN	Kaiserville	76.14	52	eP	P	07 35 44.9	+0.8
KVN	Kaiserville	76.14	52	eP	P	07 35 44.9	+0.8
KVN					pmax		
LFJD	Kangerlussuaq	76.16	4	eP	P	07 35 44.0	+0.6
LFJD	comp=Z,149nm,1.4s				i/P		
LFJD	Kangerlussuaq	76.16	4	i/P	P	07 35 43.6	+0.2
LFJD	comp=Z,58nm,1.3s				eP		
LFJD	Kangerlussuaq	76.16	4	eP	P	07 35 44.0	+0.6
LFJD	comp=Z,149nm,1.4s				pmax		
LFJD	Kangerlussuaq	76.16	4	P	P	07 35 43.0	-0.4
LFJD	comp=Z,29nm,1.0s,baz=1.9,slow=6.4,SNR=10				LR		
MDPB	Devils Postpil	76.35	53	eP	P	07 35 46.5	+1.1
NV01	Mina Array Sit	76.38	52	eP	P	07 35 45.6	+0.1
NVAR	Mina Array Bea	76.38	52	P	P	07 35 45.6	+0.1
DGAR	Diego Garcia	76.40	250	eP	P	07 35 45.8	+0.2
DGAR	comp=Z,97nm,0.9s				LR		
DGAR	Diego Garcia	76.40	250	eP	P	07 35 45.8	+0.2
DGAR	comp=Z,3um,20.0s				pmax		
DGAR	comp=Z,97nm,0.9s				MLR		
OMMB	Old Mammoth Mi	76.41	53	eP	P	07 35 46.9	+1.0
OMMB	comp=Z,120nm,1.4s						
MLAC	Mammoth, Mammo	76.51	53	P	P	07 35 48.1	+1.8
MLAC	comp=Z,306,SNR=21						
LVV	L'vov	76.53	323	eS	S	07 35 46.3	+0.5
LVV				eS	S	07 45 28.8	-2.4
LVV				MLR			
OLMT	Earthquake Lak	76.57	44	eP	P	07 35 47.3	+0.9
BEL	Belsk	76.67	326	eP	P	07 35 47.6	+1.0
BEL				eS	S	07 45 34.3	+1.7
BEL				eS	S	07 35 47.6	+1.0
BEL				eS	S	07 45 34.3	+1.7
PAGB	Antelope Grade	76.67	326	eP	P	07 35 49.5	+2.3
ABTO	Aybut	76.73	282	P	P	07 35 50.1	+2.5
ABTO	SNR=8						
YHB	Horse Butte	76.75	44	eP	P	07 35 48.7	+1.2
BSD	Bornholm Skovb	76.79	331	i/P	P	07 35 47.3	+0.1
BSD	comp=Z,163nm,1.4s				pmax		
BSD	Bornholm Skovb	76.79	331	i/P	P	07 35 47.3	+0.1
BSD	comp=Z,160nm,1.4s				MLR		
ILGA	Ilgaz	76.86	312	eP	P	07 35 48.8	+0.6
ILGA	comp=Z,8um,15.0s				LR		
ILGA	comp=Z,363nm,1.9s				LR		
ELK	Elko	76.88	49	P	P	07 35 49.3	+0.9
ELK	comp=Z,5um,18.0s				LR		
ELK	comp=Z,146nm,1.5s				LR		
YHH	Holmes Hill	76.91	43	eP	P	07 35 49.5	+1.0
YHH	comp=Z,101nm,1.3s				LR		
YHH					LR		
GCMT	Greyloft	76.92	42	eP	P	07 35 49.6	+1.3
YMR	Madison River	76.92	44	eP	P	07 35 49.5	+1.1
YMR	comp=Z,154nm,1.3s						
VAG	Valley Oaks Go	76.93	54	P	P	07 35 49.4	+1.0
GOZ	Gaziantep	77.02	307	eP	P	07 35 51.0	+2.1
KMRS	Kahramanmara	77.02	307	eP	P	07 35 47.9	-1.0
RAO	Raoul Island	77.04	143	PFAKE	LR	07 36 00.0	+1.1
RAO					LR		
YNR	Norris Junctio	77.05	43	eP	P	07 35 52.4	+3.1
YNR	comp=Z,6um,19.0s						
PRAR	RASCA	77.06	320	i/P	P	07 35 50.0	+1.1
YMT	Simmler	77.12	56	P	P	07 35 51.3	+1.8
YMT	comp=Z,306,SNR=7.8						
YFT	Old Faithful	77.13	44	eP	P	07 35 53.1	+3.4
YFT	comp=Z,151nm,1.3s				LR		
GKP	Gorka Kiaszor	77.19	329	eP	P	07 35 51.3	+1.8
GKP	comp=Z,14um,17.0s				eS		
GKP					LMZ		
GKP	Gorka Kiaszor	77.19	329	eP	P	07 35 51.3	+1.8
GKP	comp=Z,14um,17.0s				eS		
GKP					MLR		
TIN	Tinemaha, Big	77.24	53	P	P	07 35 51.9	+1.6
YPP	Pitchstone Pla	77.27	44	P	P	07 35 52.1	+1.6
FRB	Frobisher Bay	77.28	12	P	P	07 35 48.8	-1.0
KWP	Kalwaria Pacia	77.29	323	eS	S	07 35 50.5	+0.4
KWP	comp=Z,30nm,0.9s,baz=344,slow=6.2,SNR=40				LR		
KWP					LMZ		
KWP	Kalwaria Pacia	77.29	323	PFAKE	LR	07 36 00.0	+1.0
KWP	comp=Z,14um,16.3s				LR		
KWP	Kalwaria Pacia	77.29	323	eP	P	07 35 50.5	+0.4
KWP	comp=Z,53um,20.0s				eS		
KWP					MLR		
LKWY	Lake	77.30	43	eP	P	07 35 52.6	+2.0
LKWY	comp=Z,171nm,1.3s						
LKWY	Lake	77.30	43	eP	P	07 35 52.6	+2.0
LKWY	comp=Z,171nm,1.3s				pmax		
COP	Copenhagen	77.31	332	i/P	P	07 35 50.7	+0.6
COP	comp=Z,129nm,1.1s						
COP	Copenhagen	77.31	332	i/P	P	07 35 50.7	+0.6
COP	comp=Z,6um,15.0s				pmax		
COP	comp=Z,130nm,1.1s				MLR		
H17A	Grant Village	77.31	44	eP	P	07 35 52.9	+2.2
H17A	comp=Z,7um,15.0s				LR		
H17A	Grant Village	77.31	44	P	P	07 35 54.0	+3.3
H17A	comp=Z,5um,22.0s						
TESR	Tescani	77.39	319	i/P	P	07 35 50.7	-0.1
BIZ	Bicaz	77.39	320	i/P	P	07 35 51.6	+0.8
BURAR	Bucovina Array	77.41	321	i/P	P	07 35 51.8	+0.9
VES	Vestal, Richg	77.41	55	P	P	07 35 51.4	+0.4
FLWY	Flagg Ranch	77.44	44	eP	P	07 35 53.2	+1.8
FLWY	comp=Z,257nm,1.4s						
CFR	Carcaliu	77.46	318	i/P	P	07 35 52.4	+1.2
PKM	McPherson Peak	77.49	56	P	P	07 35 53.1	+1.4
PKM	comp=Z,306,SNR=13						
FXWY	Fox Creek	77.54	44	eP	P	07 35 52.8	+0.9
RLMT	Red Lodge	77.56	42	eP	P	07 35 53.0	+0.9
RLMT	comp=Z,200nm,1.4s						

RLMT	Red Lodge	77.56	42	P	P	07 35 54.1	+2.0
RLMT	comp=Z,310						
MOOW	Moose Ponds	77.63	44	eP	P	07 35 53.6	+1.2
MOOW	comp=Z,177nm,1.5s						
TPAW	Teton Pass	77.68	45	eP	P	07 35 53.0	+0.2
TPAW	comp=Z,105nm,1.2s						
CWC	Cottonwood Cre	77.70	54	P	P	07 35 54.4	+1.5
CWC	comp=Z,307						
HVU	Hanse Valley	77.71	47	eP	P	07 35 53.6	+0.8
HVU	comp=Z,106nm,1.3s						
HVU	Hanse Valley	77.71	47	eP	P	07 35 53.6	+0.8
HVU	comp=Z,106nm,1.3s				pmax		
BR101	Keeskin Array S	77.72	311	eP	P	07 35 53.3	+0.4
BR131	Keeskin Array S	77.72	311	P	P	07 35 54.1	+1.2
BR131	SNR=24						
BRTR	Keeskin Array S	77.72	311	P	P	07 35 53.3	+0.4
BRTR	comp=Z,3.8nm,0.9s,baz=90,slow=2.9,SNR=20				LR		
BRTR	comp=Z,2um,18.5s,baz=33,slow=38				LR		
KOZT	Kozan	77.72	308	eP	P	07 35 53.5	+0.7
VRI	Vrincioia	77.77	319	i/P	P	07 35 54.0	+1.1
TIRR	Tirgusor	77.78	317	PFAKE	LR	07 36 00.0	+7.1
TIRR					LR		
LOHW	Long Hollow	77.80	44	eP	P	07 35 55.0	+1.6
LOHW	comp=Z,93nm,1.4s						
ANGG	Ammassalik, Gr	77.80	359	PFAKE	LR	07 36 00.0	+7.4
ANGG							
SNOW	Snow King Moun	77.81	44	eP	P	07 35 54.9	+1.4
SNOW	comp=Z,5um,19.0s						
REDW	Red Top Meadow	77.82	45	eP	P	07 35 54.0	+0.5
REDW	comp=Z,114nm,1.1s						
SBC	Santa Barbara	77.82	56	P	P	07 35 55.1	+1.7
SBC	comp=Z,2um,21.8s,baz=346,slow=35						
FLOR	Flotina	77.82	319	i/P	P	07 35 54.2	+1.0
GRAC	Gravepine Rang	77.83	53	P	P	07 35 55.2	+1.7
GRAC	comp=Z,307,SNR=21						
RGN	Rugen	77.83	331	PFAKE	LR	07 36 00.0	+7.0
RGN					LR		
RGN	Rugen	77.83	331	eP	IAMB	07 35 53.3	+0.3
RGN	comp=Z,11um,18.0s				IAMB		
MUD	Monsted Ugrnd	77.89	334	i/P	P	07 35 53.8	+0.5
MUD	comp=Z,205nm,1.2s						
MUD	Monsted Ugrnd	77.89	334	i/P	P	07 35 53.8	+0.5
MUD	comp=Z,164nm,1.4s				pmax		
MUD	Monsted Ugrnd	77.89	334	i/P	pmax		
MUD	comp=Z,8um,13.0s				MLR		
TLB	Topalu	77.90	317	i/P	P	07 35 53.9	+0.3
ISA	Isabella, Lake	77.91	55	eP	P	07 35 54.3	+0.4
ISA	comp=Z,42nm,1.2s						
ISA	Isabella, Lake	77.91	55	eP	pmax	07 35 54.3	+0.4
ISA	comp=Z,42nm,1.2s				pmax		
ISA	Isabella, Lake	77.91	55	P	P	07 35 54.4	+0.4
ISA	comp=Z,307,SNR=16						
DGMT	Dagmar	77.96	38	eP	P	07 35 54.8	+0.8
DGMT	comp=Z,215nm,1.3s				LR		
DGMT					LR		
DGMT	Dagmar	77.96	38	P	P	07 35 54.8	+0.8
DGMT	comp=Z,3um,22.0s						
ARVC	Arvin	78.00	55	P	P	07 35 55.5	+1.1
ARVC	comp=Z,307,SNR=9.5						
AHID	Auburn Hatcher	78.05	45	eP	P	07 35 56.2	+1.4
AHID	comp=Z,82nm,1.3s						
BGU	Big Grassy Moun	78.09	48	eP	P	07 35 56.2	+1.2
BGU	comp=Z,206nm,1.8s						
DAC	Darwin (Calif)	78.11	54	eP	P	07 35 55.8	+0.6
DAC	comp=Z,66nm,1.1s						
DAC	Darwin (Calif)	78.11	54	eP	pmax	07 35 55.8	+0.6
DAC	comp=Z,66nm,1.1s				pmax		
R11A	Troy Canyon, C	78.13	51	eP	P	07 35 56.2	+1.0
R11A	comp=Z,167nm,1.3s						
R11A	Troy Canyon, C	78.13	51	P	P	07 35 56.7	+1.4
R11A	comp=Z,308,SNR=115						
SCZ2	Santa Cruz Isl	78.13	56	P	P	07 35 55.8	+0.7
SCZ2	comp=Z,307						
ANTO	Ankara	78.14	311	eP	P	07 35 55.5	+0.3
ANTO	comp=Z,96nm,1.6s				LR		
ANTO	Ankara	78.14	3				



1809

Table with columns: ID, Name, Time, P, M, R, S, etc. Includes entries like LIT, PDG, TTT, WATA, SKIA, etc.

2013 FEB

Table with columns: ID, Name, Time, P, M, R, S, etc. Includes entries like E38A, FUORN, ECH, ECH, ECH, etc.

25d 7h

Table with columns: ID, Name, Time, P, M, R, S, etc. Includes entries like E42A, F41A, F41A, AQU, AQU, etc.

25d 7h

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AMTX	Amarillo	88.78	46	eP	P	07 36 51.0 +1.1
AMTX	Amarillo	88.78	46	eP	P	07 36 51.3 +1.3
AMTX	Anamosa	88.79	47	eP	P	07 36 51.2 +1.1
MSTX	Muleshoe				LR	
MSTX	Muleshoe	88.79	47	P	P	07 36 50.8 +0.8
MNTX	Cornudas Mts	88.79	50	eP	P	07 36 51.4 +1.4
MNTX	Cornuda Mount	88.79	50	P	P	07 36 51.1 +1.2
J42A	Columbus	88.81	33	P	P	07 36 50.4 +0.6
CEL	Celeste	88.83	319	PFAKE	LR	07 37 00.0 +1.0
K41A	Shullsburg	88.85	34	P	P	07 36 50.2 +0.2
L40A	Anamosa	88.86	35	eP	P	07 36 50.2 +0.2
L40A	Suttons Bay				LR	
L40A	Anamosa	88.86	35	P	P	07 36 50.6 +0.5
G45A	Suttons Bay	88.87	30	P	P	07 36 51.1 +1.0
M39A	Webster	88.87	36	P	P	07 36 50.7 +0.5
G46A	Potoskey	88.86	29	P	P	07 36 51.5 +1.0
E48A	Lockeyer	89.01	27	P	P	07 36 51.3 +0.7
H45A	Beulah	89.06	31	P	P	07 36 52.2 +1.3
N43A	Natural Harves	89.07	33	P	P	07 36 51.8 +0.8
K42A	Prairie Point	89.14	34	P	P	07 36 51.3 -0.1
L41A	Preston	89.18	35	P	P	07 36 51.7 +0.2
U32A	Winter Ranch	89.22	43	PFAKE	LR	07 37 00.0 +8.1
VLD0	Val d'Or	89.23	24	eP	P	07 36 51.6 0.0
M40A	Post Highland	89.24	36	P	P	07 36 52.6 +0.8
D50A	G1974 Best Tow	89.25	26	P	P	07 36 52.4 +0.6
MFF	Saint Martin d	89.29	333	eP	Pmax	07 36 53.8 +1.8
F48A	Evansville	89.29	38	P	P	07 36 53.5 +1.0
I45A	Fontain	89.46	31	P	P	07 36 54.2 +1.4
GLMI	Graying	89.46	30	eP	P	07 36 53.5 +0.6
GLMI	Graying	89.46	30	P	P	07 36 54.3 +1.5
H46A	Fife Lake	89.47	30	P	P	07 36 53.8 +0.9
G47A	Hillman	89.47	29	P	P	07 36 53.8 +0.9
D51A	Lot 18 Range I	89.48	25	P	P	07 36 53.4 +0.5
E50A	Wahnapiitae	89.58	26	P	P	07 36 54.2 +0.9
N40A	Mertqua	89.61	36	P	P	07 36 54.8 +1.2
L42A	Oliver, Polo	89.61	34	eP	P	07 36 54.0 +0.4
L42A	Oliver, Polo	89.61	34	P	P	07 36 53.8 +0.2
K43A	Burlington	89.65	33	eP	P	07 36 55.8 +2.1
K43A	Burlington	89.65	33	P	P	07 36 54.2 +0.5
F49A	Sandfield	89.66	28	P	P	07 36 54.4 +0.7
M41A	Milan	89.71	35	P	P	07 36 54.9 +0.9
H47A	Mio	89.81	30	P	P	07 36 55.9 +1.5
I46A	Reed City	89.86	31	P	P	07 36 56.0 +1.2
TBI	Tubuai	89.86	120	eS	S	07 47 45.2 -1.7
TBI	Tubuai	89.86	120	eLQ	LQ	08 01 35.5
TBI	Tubuai				LR	08 05 26.0
J45A	Montague	89.89	31	P	P	07 36 56.0 +1.2
L43A	Garden Prairie	89.89	34	P	P	07 36 55.5 +0.6
D52A	ZEK Kipawa Sen	89.91	25	P	P	07 36 55.9 +1.1
E51A	G1948 Merrick	89.92	26	P	P	07 36 55.8 +0.8
M42A	Sheffield	90.01	35	P	P	07 36 56.0 +0.5
D53A	Lac Vachiv, Po	90.05	24	P	P	07 36 56.4 +0.8
H48A	Harrisville	90.07	29	P	P	07 36 56.8 +1.1
N41A	Harden Midland	90.09	36	eP	P	07 36 56.6 +0.8
N41A	Harden Midland	90.09	36	P	P	07 36 56.8 +1.0
L47A	Gladwin	90.17	30	P	P	07 36 57.8 +1.6
I44A	Lake County Fo	90.26	33	P	P	07 36 57.5 +0.9
J46A	Howard City	90.27	31	P	P	07 36 57.8 +1.1
F51A	Arnstein	90.29	26	P	P	07 36 57.3 +0.6
TOBO	Tobermory, Bru	90.31	28	P	P	07 36 57.7 +0.9
D54A	Lac Fusel, La	90.33	24	P	P	07 36 57.4 +0.6
I48A	Sherman Twp	90.36	29	P	P	07 36 58.7 +1.7
N42A	Yates City	90.38	35	P	P	07 36 58.3 +1.1
M43A	Waltham Townsh	90.39	34	P	P	07 36 58.0 +0.8
E52A	Mattawa	90.42	25	P	P	07 36 58.2 +1.0
WMOK	Wichita Mounta	90.54	44	eP	P	07 36 58.9 +0.8
WMOK	Wichita Mounta				LR	
WMOK	Wichita Mounta	90.54	44	eP	Pmax	07 36 58.9 +0.8
WMOK	Wichita Mounta				MLR	MLR
WMOK	Wichita Mounta	90.54	44	P	P	07 36 59.0 +0.9
O41A	Passleys Farm,	90.55	36	P	P	07 36 59.0 +1.0
F52A	Sundridge	90.62	26	P	P	07 36 59.2 +0.9
E53A	Dumoine, Ponti	90.68	25	P	P	07 36 59.5 +1.0
KLBO	Kilbear Provi	90.68	27	P	P	07 36 59.7 +1.2
N43A	Stutzman Famil	90.69	35	P	P	07 36 59.6 +0.9
J47A	Summer	90.70	31	P	P	07 37 00.1 +1.5
CLTB	Catabellotta	90.74	320	PFAKE	LR	07 37 10.0 +1.1
K46A	Dorr	90.75	32	P	P	07 37 00.0 +1.1
E54A	Lac Daplat, Po	90.79	24	P	P	07 36 59.2 +0.3
P41A	Barry, Barry	90.81	37	P	P	07 36 59.9 +0.7

M44A	Midewin, Midew	90.84	34	eP	P	07 36 59.9 +0.6
M44A	Midewin, Midew	90.84	34	P	P	07 37 00.1 +0.8
O42A	Bat	90.86	36	P	P	07 37 00.1 +0.6
BUKO	Buck Lake	90.90	26	P	P	07 37 00.5 +0.9
I49A	Point Hope	90.91	29	P	P	07 37 01.0 +1.4
ALGO	Algonquin Park	90.92	25	P	P	07 37 00.2 +0.6
HDIL	Hopedale	90.94	35	eP	P	07 37 00.4 +0.6
HDIL	Hopedale				LR	
HDIL	Hopedale	90.94	35	P	P	07 37 00.7 +0.9
BMRO	Meriville Lake	90.96	28	P	P	07 37 01.4 +1.5
J48A	Bridge Port	91.07	30	P	P	07 37 02.0 +1.7
L46A	Eue Claire	91.09	32	P	P	07 37 01.3 +0.8
K47A	Vermontville	91.09	31	P	P	07 37 01.7 +1.2
O43A	Sugar Creek Fa	91.14	35	P	P	07 37 01.9 +1.2
BRCO	Bruce Peninsul	91.18	28	P	P	07 37 02.4 +1.5
P42A	Winchester	91.22	36	eP	P	07 37 01.9 +0.8
P42A	Winchester				LR	
P42A	Winchester	91.22	36	P	P	07 37 02.0 +0.8
J49A	Marlette	91.27	30	P	P	07 37 02.6 +1.3
N44A	Piper City	91.27	34	P	P	07 37 02.4 +1.0
BASO	Ashtabula	91.29	28	P	P	07 37 02.9 +1.5
Q41A	Truxton	91.29	37	P	P	07 37 02.5 +1.1
TUL1	Leonard	91.31	42	eP	P	07 37 02.3 +0.7
TUL1	Leonard	91.31	42	P	P	07 37 02.4 +0.8
LATQ	La Tuque	91.31	21	P	P	07 37 02.5 +1.1
K48A	Perry	91.34	30	P	P	07 37 03.3 +1.7
WDD	Wied Dalam	91.37	318	PFAKE	LR	07 37 10.0 +8.1
BWLO	Walkerton	91.40	28	P	P	07 37 03.3 +1.4
PEMO	Pembroke	91.43	25	P	P	07 37 02.7 +0.7
G53A	Haliburton	91.45	26	P	P	07 37 03.0 +0.9
TXAR	Lajitas Array	91.50	51	P	P	07 37 03.1 +0.3
N45A	Keastland	91.51	34	P	P	07 37 03.7 +1.3
M46A	Old House Fiel	91.56	33	eP	P	07 37 03.4 +0.8
M46A	Old House Fiel				LR	
M46A	Old House Fiel	91.56	33	P	P	07 37 04.0 +1.4
P43A	Skaggs, Pawnee	91.56	36	P	P	07 37 03.6 +0.9
SADO	Sadowa	91.57	26	eP	P	07 37 04.7 +2.1
ABTX	Abilene, Hawle	91.58	46	eP	P	07 37 03.9 +0.9
ABTX	Abilene, Hawle				LR	
ABTX	Abilene, Hawle	91.58	46	P	P	07 37 04.0 +1.0
L47A	Sheed	91.58	32	P	P	07 37 03.8 +1.0
F55A	Otter Lake	91.59	24	P	P	07 37 03.5 +0.8
K49A	Clatsop	91.63	30	P	P	07 37 04.3 +1.3
O44A	Mansfield	91.64	35	P	P	07 37 03.9 +0.8
Q42A	Golden Eagle	91.66	37	P	P	07 37 04.1 +1.0
I51A	Listowel	91.71	28	P	P	07 37 05.1 +1.7
R41A	Rosebud	91.73	38	P	P	07 37 04.5 +1.0
BANO	Bancroft	91.78	25	P	P	07 37 04.6 +1.0
N46A	Monticello	91.81	33	P	P	07 37 04.6 +0.8
TRQ	Mot Tremblant	91.82	23	eP	P	07 37 04.7 +0.9
O45A	Potomac	91.90	34	P	P	07 37 05.5 +1.3
M47A	Cromwell	91.91	32	P	P	07 37 05.2 +0.9
L48A	N Adams	91.93	31	P	P	07 37 05.6 +1.2
AAM	Ann Arbor	91.95	30	PFAKE	LR	07 37 20.0 +1.6
AAM	Ann Arbor				LR	
AAM	Ann Arbor	91.95	30	P	P	07 37 05.3 +0.9
G55A	Calabogie	91.98	25	P	P	07 37 05.2 +0.7
CCM	Cathedral Cave	91.99	38	eP	P	07 37 05.4 +0.7
CCM	Cathedral Cave				Pmax	Pmax
CCM	Cathedral Cave	91.99	38	P	P	07 37 05.9 +1.2
HHAR	Hobbs	92.00	40	PFAKE	LR	07 37 20.0 +1.5
SLM	Saint Louis	92.02	37	PFAKE	LR	07 37 20.0 +1.5
R42A	Luebbering	92.03	37	P	P	07 37 05.7 +0.8
Q43A	New Douglas	92.03	36	P	P	07 37 05.8 +0.9
PLVO	Plevna	92.05	25	eP	P	07 37 05.9 +1.1
PLVO	Plevna	92.05	25	P	P	07 37 05.7 +0.8
L49A	Milan	92.07	31	P	P	07 37 06.3 +1.3
SFIN	Lafayette	92.07	34	eP	P	07 37 05.9 +0.9
SFIN	Lafayette	92.07	34	P	P	07 37 06.0 +0.9
S41A	Jill Farm	92.11	38	P	P	07 37 06.0 +0.7
P44A	Sand Creek, Wi	92.12	35	P	P	07 37 06.3 +1.0
M48A	Edgerton	92.19	32	eP	P	07 37 06.3 +0.7
M48A	Edgerton	92.19	32	P	P	07 37 06.7 +1.1
ORIO	Orleans, Innes	92.20	24	P	P	07 37 06.7 +1.2
I53A	Kortright Cn E	92.23	27	P	P	07 37 06.5 +0.8
ACTO	Action	92.24	28	P	P	07 37 07.0 +1.3
N47A	Alfred	92.25	23	P	P	07 37 06.1 +0.4
N47A	Urbana	92.28	32	P	P	07 37 06.9 +0.9
PKRO	Piedmont	92.29	27	P	P	07 37 07.5 +1.5
DELO	Deloro Mine	92.32	26	P	P	07 37 07.4 +1.3
Q44A	Meyer Farm, Va	92.39	36	eP	P	07 37 07.5 +1.0
Q44A	Meyer Farm, Va	92.39	36	P	P	07 37 07.7 +1.2
J52A	Paris	92.40	28	P	P	07 37 08.1 +1.6

S42A	Caledonia	92.43
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25d 7h

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like 250A Grady, 151A Opelika, 349A Repton, etc.

2013 FEB

Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like SJG San Juan, HUMP Col San Antoni, CUPR Culebra, etc.

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Table with columns: Call sign, Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like RTLS Leontice, AUSP Usapallata, PLLC Cerro Villucun, etc.

IDC 25 07:26:02.2:2.0, 11°18'15.168°46E, h0km, mb3.8/4, mb1 4.1/5, mb1mx3.7/43, mbtmp3.9/5, ML3.8/1, Error ellipse: s-maj=61.7km s-min=29.7km az=131.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like DZM Mont Duzac, CTA Charters Tower, WRA Warramunga Arr, etc.

JMA 25 07:27:42.1, 36°38'9N-139°40'E, h4km, 1km, M3.1, Eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like JKT Katashina, JSB Shioha, JHK Hiroka, etc.

ISCJB 25 07:31:59.8:0.4, 36°89'N:0°12:139°38'E:0°03, h9km, 3km, mb4, 1/36, Error ellipse: s-maj=4.5km s-min=3.4km

IDC 25 07:31:59.6:0.6, 36°88'N:139°37'E, h0km, mb4.0/16, mb1 4.1/20, mb1mx4.0/52, mbtmp4.0/20, ML3.4/3, Error ellipse: s-maj=15.7km s-min=9.0km az=147.0

JMA 25 07:31:59.9:36°89'N:139°41'E, h3km, 1km, M4.0, JMA Felt II J1

NEIC 25 07:32:01.7:0.3, 36°87'N:139°24'E, h10km, mb4.3/17, Error ellipse: s-maj=7.8km s-min=4.9km az=126.0

ISC 25 07:32:00.3:1.1, 36°89'N:0°03:139°39'E:0°03, h3km, 7km, n73, c15180, mb4.2/36, 2C-2D, Eastern Honshu

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Mode, and other parameters. Includes stations like JKT Katashina, JSB Shioha, JHK Hiroka, etc.

MAJO Matsushiro 1.01 250 ePn Pn 07 32 19.5 -1.0

MAT Matsushiro 1.01 250 P Pn 07 32 19.5 -1.0

INU Inuyama 2.46 232 ePn Pn 07 32 41.8 +0.4

JHJ Hachioji jima 2 3.78 175 Pn Pn 07 33 00.8 +1.4

JHJ2 Mitsu 3.78 175 ePn Pn 07 33 01.0 +1.4

ERM Ermo 5.89 28 ePn Pn 07 33 30.5 +2.0

ASAJ Ashikawa 7.62 18 Pn Pn 07 33 53.1 +0.9

KSR5 Korea Array 9.17 277 Pn Pn 07 34 14.2 +0.7

KS15 Wonju Array 9.20 277 ePn Pn 07 34 14.2 +0.2

USRK Ussuriysk Arr 9.22 325 Pn Pn 07 34 15.5 +1.4

YSS Yuzh-Sakhalins 10.36 13 ePn Pn 07 34 31.3 +1.5

NJ2 Nanjing 17.60 260 ePm pmax 07 36 07.0 -0.7

PTK Petropavlovsk 20.65 32 P Pn 07 36 42.1 -1.1

HHC Hu-ho-hao-te 21.98 289 ePm pmax 07 36 55.3 -0.3

XAN Xi'an 24.93 273 P P 07 37 29.0 +4.2

XAN Xian 24.93 273 P P 07 37 33.5 +6.8

SONAO Songino Array 26.53 305 eP P 07 37 37.4 -1.8

SONM Songino Array 26.53 305 P P 07 37 37.4 -1.8

LZH Lanzhou 28.49 279 eP P 07 38 01.0 +4.0

LZH Lanzhou 28.49 279 eP P 07 38 05.0 +6.1

LZH Lanzhou 28.49 279 eP P 07 38 08.8 +1.0

CD2 Chengu 30.05 269 eP P 07 38 09.8 -1.0

GTA Gaotal 31.06 287 eP P 07 38 19.5 +2.2

GTA Gaotal 31.06 287 eP P 07 38 23.8 +0.2

GTA Gaotal 31.06 287 eP P 07 38 26.5 +5.5

KMI Kunming 33.34 260 P Pmax 07 38 41.0 +1.0

WMQ Urumqi 39.46 297 eP P 07 39 33.8 +1.9

ZALV Zalesovo Bay 40.82 313 eP P 07 39 42.4 +0.5

ZALV Zalesovo Bay 40.82 313 eP P 07 39 42.4 -0.5

ANN Nome 42.56 32 eP P 07 39 58.8 +1.7

MK32 Makanchi Array 42.82 302 eP P 07 39 59.2 -0.3

MKAR Makanchi Array 42.82 302 P P 07 39 59.2 -0.3

MLY Manley 48.83 32 eP P 07 40 47.5 +0.8

TOLK Toolik Lake Re 49.34 27 eP P 07 40 52.6 +2.1

RND Reindeer 49.71 34 eP P 07 40 53.9 +0.5

MDM Murphy Dome 49.90 32 eP P 07 40 55.9 +1.1

Table with columns: ILAR, Eielson Array, 50.48 32 P, P, 07 40 59.8 +0.6, comp=Z,1.8nm,0.8s,baz=274,slow=6.4,SNR=12

NIED 25 07:34:00,36.90N,139.40E,h5km,Mw4.5 Best double couple: M6.68000x1019, NP1.9x153.00000, 386.00000, 1.0.00000, NIP2.9x63.00000, 890.00000, 1.176.00000, ISCJB 25 07:34:42.0,5.39.88N,103.139.42E,0.03,h11km,3km, mb4.4/60,MS5.3/2, Error ellipse: s-maj=5.5km s-min=3.6km az=135.9

IDC 25 07:34:42.0,0.5,36.88N,139.43E,h0km,mb3.9/21, mb1.4/127,mb1mx4.1/53,mbtmp4.0/27,ML3.8,5,MS4.9/1, Ms1.4.9/1,ms1mx3.7/56, Error ellipse: s-maj=14.1km s-min=8.8km az=147.0

JMA 25 07:34:42.7,36.88N,139.43E,h5km,1km,M4.7 JMA Felt IV J1

NEIC 25 07:34:43.0,8.0,2,36.84N,139.43E,h10km,mb4.6/35, Error ellipse: s-maj=6.3km s-min=3.9km az=136.0

NEIC Recorded 14 JMA Felt Iochig  
ISC 25 07:34:42.0,1.1,36.87N,103.139.43E,0.04,h7km,7km, n108,±1901/109,mb4.5/60,2C,4D,Eastern Honshu

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, h m s ISC

Table with columns: ZAA1, Zalesovo Array, 40.85 313 eP, P, 07 42 25.0 -0.5, comp=Z,10um,13.9s

ATH 25 07:35:11.9,37.84N,21.41E,h27km,4km,ML1.7/1, Error ellipse: s-maj=5.1km s-min=2.3km az=4.0, Southern Greece

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, h m s ISC

Table with columns: ULHL, Ulahof, 0.48 11P, Pg, 07 45 07.4 -0.1, baz=58

IDC 25 07:45:32.6,1.7,34.22N,85.57E,h0km,mb3.5/3, mb1.3/6.6,mb1mx3.3/62,mbtmp3.4/6,ML2.8/3, Error ellipse: s-maj=113.5km s-min=20.9km az=58.0

ISCJB 25 07:45:35.7,1.2,34.4N,0.2:85.7E,0.1,4,h33km,mb3.4/3, Error ellipse: s-maj=54.2km s-min=15.1km az=148.2

ISC 25 07:45:38.1,1.5,34.4N,0.2:85.7E,0.3,h35km,n6,±0554/6, mb3.4/3,Xizang

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, h m s ISC

IDC 25 07:47:38.6,2.2,23.05S,66.25W,h189km,25km,mb3.7/2, mb1.3/6.6,mb1mx3.3/30,mbtmp4.2/6,MS4.1/1,Ms1.4/1, ms1mx3.1/29, Error ellipse: s-maj=48.8km s-min=21.9km az=154.0

ISCJB 25 07:47:40.0,0.7,22.90S,0.04:66.9W,0.1,1,h263km,14km, mb3.8/2, Error ellipse: s-maj=21.3km s-min=6.1km az=5.2

NEIC 25 07:47:41.0,0.0,22.80S,67.17W,h262km,11km,ML4.1 After GUC

GUC 25 07:47:41.6,0.5,22.80S,67.17W,h262km,11km,ML4.1 ISC 25 07:47:40.5,1.0,22.90S,0.05:66.8W,0.1,h238km,15km, n35,±115/56,12C-3D,Juuy Province

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time Res, h m s ISC, h m s ISC





25d 8h

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

2013 FEB

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.

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Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Bandwidth, Modulation, and other technical details for various stations.



Error ellipse: s-maj=32.5km s-min=11.3km az=136.9  
 IDC 25 08:31:18.4 1.6, 10.13S; 118.53E, h0km, mb3.9/5,  
 mb1 3.9/9, mb1mx3.7/49, mbtmp3.8/9, ML3.4/4, Error  
 ellipse: s-maj=63.9km s-min=19.4km az=47.0  
 ISC 25 08:31:19.8 1.1, 10.22S; 0.1:118.6E:0.1, h10km, n13,  
 0.095/11, mb4.0/5, South of Sumbawa

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
PLAI	Wlanguang	1.54	329	Op	Pg	08 31 47.0 +0.8
WSI	Piangpai	1.77	74	P	Pg	08 32 01.8 +0.0
BASI	Baum, Sumba	1.98	92	S	Pg	08 31 57.0 -0.7
BATI	Baumata	5.01	91	Pn	Pg	08 32 36.7 +1.5
BNSI	Bone	5.92	15	P	Pb	08 32 56.0 -7.2
FITZ	Fitzroy Crossi	10.14	140	Pn	Pb	08 33 51.1 -7.2
WRA	Warramunga Arr	18.05	124	P	Pn	08 35 30.1 -0.9
ASAR	Alice Springs	19.88	134	P	Pn	08 35 51.8 -1.1
SONM	Songino Array	58.74	350	P	P	08 41 17.6 -0.4
MKAR	Makanchi Array	65.29	333	P	P	08 42 02.0 -0.0
KURBB	Kurchatov Arra	69.23	303	P	P	08 42 30.7 +0.2
ZALV	Zalesovo Beam	69.97	340	P	P	08 42 30.8 -0.5
SEY	Seycham	77.38	15	P	P	08 43 15.1 +0.5

NIED 25 08:33:00, 36.90N; 139.40E, h5km, Mw4.0 Best double  
 couple: Mb 1.26000+0.10000, NP1: 34.00000, 858.00000,  
 1.21.00000, 102.00000; 372.00000, 1.146.00000;  
 ISCJB 25 08:33:38.8 0.4, 36.87N; 0.02: 139.40E: 0.04, h10km,  
 mb3.6/9, Error ellipse: s-maj=5.0km s-min=3.2km az=17.4  
 JMA 25 08:33:38.6 36.87N; 139.41E, h3km, 1km, M4.0  
 Broadband fault plane solution: P waves. NP1:  
 0.29.00000, 0.78.00000, -1.25.00000. NP2: 125.00000,  
 0.65.00000, -1.167.00000. Principal axes: T Plg 9.00000,  
 Azm 79.00000, N Plg 62.00000, Azm 187.00000. P  
 Plg 26.00000, Azm 345.00000;  
 JMA Felt II J1  
 IDC 25 08:33:39.3 0.8, 36.80N; 139.34E, h0km, mb3.6/9,  
 mb1 3.6/14, mb1mx3.6/54, mbtmp3.6/14, ML3.4/4 Error  
 ellipse: s-maj=19.7km s-min=9.7km az=151.0  
 ISC 25 08:33:40.5 0.6, 36.88N; 0.13: 139.40E: 0.03, h10km, n25,  
 0.1571/32, mb3.6/9, 3C-4D, Eastern Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
JKT	Katashina	0.15	223	Op	Pg	08 33 42.1 -1.8
JKT	Shiboa	0.45	78	Op	Sg	08 33 44.6 -1.6
JAG	Asahikawa	0.46	172	Op	Pg	08 33 47.4 -1.9
JAG	Hiroka	0.47	322	Op	Pg	08 33 53.6 -1.7
JHK	Yanaizu	0.59	26	Op	Pg	08 33 54.9 -0.9
JFY	Izumozaki	0.84	321	Op	Pg	08 33 57.8 -2.2
JIZZ	Ryogami san	0.94	204	Op	Pn	08 33 56.5 -1.9
JRY	Sasagawa	0.94	357	Op	Sb	08 34 00.2 -1.7
JNS	Matsushiro Arr	0.99	251	Op	Pg	08 33 57.8 -1.8
MJAR	Matsushiro	22m, 0.3s, baz=115, slow=7.2, SNR=626	LR	Lg	08 34 09.5	
MJAR	Matsushiro	22m, 0.3s, baz=71, slow=27, SNR=16	Lg	Lg	08 34 35.2	
MAT	Matsushiro	2.89m, 18.0s, baz=50, slow=60	LR	Lg	08 33 58.0 -1.6	
MAT	Otama	1.00	50	Op	Sg	08 34 11.4 -1.2
JFT	Hachiojima 2	3.25	118	Op	Pg	08 33 57.3 -2.4
JHU	Asahikawa	7.64	18	Pn	Pn	08 34 39.2 +0.7
ASAJ	Asahikawa	7.64	18	Pn	Pn	08 35 34.1 +2.3
KRSR	Korea Array	9.16	277	Pn	Pn	08 35 53.6 +1.0
USRK	Ussuriysk Arr	9.22	325	Pn	Pn	08 35 55.7 +2.2
KLR	Kuldur	13.54	338	Pn	Pn	08 36 54.6 +2.1
SEY	Seycham	27.29	13	P	Pn	08 39 26.7 +1.9
MKAR	Makanchi Array	42.82	303	P	P	08 41 38.5 0.0
KURBB	Kurchatov Arra	44.81	308	P	P	08 41 53.6 -0.7
ILAR	Eielson Array	50.50	32	P	P	08 42 37.8 -0.5
INK	Inukik	55.27	27	P	P	08 43 13.8 +0.3
WRA	Warramunga Arr	56.71	186	P	P	08 43 23.6 -0.7
ASAR	Alice Springs	60.44	186	P	P	08 43 50.6 +0.3
YKA	Yellowknife Arr	64.76	30	P	P	08 44 21.4 +2.8
NVAR	Mina Array Bay	76.38	52	P	P	08 45 30.4 +0.1

ISCJB 25 08:46:15.7 0.7, 10.90S; 0.08: 165.94E: 0.09, h10km,  
 mb4.0/1, MS3.9/1, Error ellipse: s-maj=14.7km  
 s-min=9.5km az=143.5  
 IDC 25 08:46:16.0 1.0, 10.74S; 165.96E, h0km, mb4.0/8,  
 mb1 4.2/10, mb1mx3.9/39, mbtmp4.1/10, ML4.5/2, MS3.7/2,  
 Ms1 3.7/2, ms1mx3.2/37, Error ellipse: s-maj=29.4km  
 s-min=20.9km az=133.0  
 NEIC 25 08:46:17.1 0.6, 10.81S; 166.00E, h10km, mb4.8, Error  
 ellipse: s-maj=17.3km s-min=7.5km az=51.0  
 ISC 25 08:46:17.3 0.9, 10.85S; 0.1: 166.0E: 0.1, h10km, n28,  
 0.092/24, Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
HNR	Honiara	6.13	282	Op	Pg	08 47 48.6 +0.6
HNR	Mare, Loyalty	10.79	170	Op	Pn	08 48 52.6 +0.7
DZM	Mont Dzumac	11.21	178	Op	Pn	08 48 58.0 +0.3
DZM	Mont Dzumac	11.21	178	Op	Pn	08 48 59.7 +1.9
ONTNC	Ouen Toro	11.44	178	Op	Pn	08 49 01.4 +0.5
PINNC	Pines Island,	11.82	174	Op	Pn	08 49 06.0 0.0
EIDS	Eidsvold	20.25	222	Op	Pg	08 50 52.2 -0.7
CTA	Charters Tower	21.14	242	Op	Pg	08 51 03.8 +1.1
CTAO	Charters Tower	21.14	242	Op	Pg	08 51 02.5 -0.2
H11S2	WAKE ISLAND Hy	29.12	1	T	T	09 22 38.2
H11S3	WAKE ISLAND Hy	29.13	1	T	T	09 22 41.8
H11S1	WAKE ISLAND Hy	29.14	1	T	T	09 22 43.2
BKZ	Black Stump Fm	29.74	163	Op	Pg	08 52 22.3 -1.7
STKA	Stephens Creek	30.79	223	Op	Pg	08 52 33.6 +0.3
STKA	Stephens Creek	30.79	223	Op	Pg	08 52 33.9 +0.6
THZ	Tophouse	31.42	170	Op	Pg	08 52 38.8 0.0
WB2	Warramunga Arr	31.80	250	Op	Pg	08 52 41.0 -1.3
WR1	Warramunga Arr	31.81	250	Op	Pg	08 52 41.1 -1.4
WRA	Warramunga Arr	31.81	250	Op	Pg	08 52 41.1 -1.4
FOZ	Fox Glacier	32.77	175	Op	Pg	08 52 50.4 -0.1
RPZ	Rata Peaks	33.07	173	Op	Pg	08 52 53.3 -0.9
RPZ	Rata Peaks	33.07	173	Op	Pg	08 52 53.9 +0.7
ASAR	Alice Springs	33.13	243	Op	Pg	08 52 53.9 -0.2

SJUI Sorong 35.91 284 LR 09 08 42.6  
 FITZ Fitzroy Crossi 39.27 255 eP 08 53 49.6 -0.5  
 ILAR Eielson Array 83.21 18 p 08 58 43.9 +0.4  
 NVAR Mina Array Bay 85.67 50 P 08 58 57.3 +0.4  
 MKAR Makanchi Array 93.53 317 P 08 59 33.2 -0.4

IDC 25 08:50:26.8 1.4, 3.71S; 144.60E, h0km, mb3.7/7,  
 mb1 3.9/9, mb1mx3.7/36, mbtmp3.7/9, ML3.5/2, Error  
 ellipse: s-maj=40.6km s-min=19.7km az=107.0  
 ISCJB 25 08:50:29.6 1.1, 3.75S; 0.1: 144.4E: 0.2, h26km, mb3.6/7,  
 Error ellipse: s-maj=25.2km s-min=14.6km az=11.2  
 ISC 25 08:50:31.4 1.3, 3.75S; 0.1: 144.4E: 0.2, h26km, n10,  
 0.1912/10, mb3.7/7, Near north coast of New Guinea

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
JAY	Jayapura	3.89	287	Op	Pn	08 51 28.2 -1.4
WRA	Warramunga Arr	18.21	211	P	P	08 54 49.6 -0.7
ASAR	Alice Springs	22.30	31	P	P	08 55 26.6 -0.5
FITZ	Fitzroy Crossi	23.30	231	P	P	08 55 38.6 +1.1
KRSR	Korea Array	43.72	341	P	P	08 58 34.5 +0.1
CMAR	Chiang Mai Arr	49.90	298	P	P	08 59 24.7 +1.5
SONM	Songino Array	61.16	332	P	P	09 00 44.4 +0.6
MKAR	Makanchi Array	74.09	321	P	P	09 02 06.3 +0.9
ZALV	Zalesovo Beam	75.71	328	P	P	09 02 13.5 -1.0
ILAR	Eielson Array	84.40	24	P	P	09 03 00.4 -0.8

ISCJB 25 08:53:44.2 0.7, 38.90N; 0.02: 25.66E: 0.04, h3km, 5km,  
 Error ellipse: s-maj=5.4km s-min=3.5km az=163.1  
 DDA 25 08:53:44.5, 38.92N; 25.72E, h7km, 2km, ML2.7  
 ATH 25 08:53:44.8, 38.90N; 25.69E, h18km, 6km, ML2.4/3, Error  
 ellipse: s-maj=6.2km s-min=1.1km az=70.0  
 ISC 25 08:53:44.2, 38.93N; 25.70E, h0km, ML2.8/9  
 THE 25 08:53:45.5, 38.91N; 25.72E, h13km, 2km, ML2.3/3, Error  
 ellipse: s-maj=3.0km s-min=1.2km az=102.0  
 ISC 25 08:53:45.0 1.1, 38.91N; 0.02: 25.70E: 0.03, h13km, gkm,  
 n29, 0.052/46, Aegean Sea

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
SIGR	SIGRI	0.33	22	Op	Pg	08 53 51.6 0.0
SIGR	SIGRI	0.33	22	Op	Pg	08 53 51.7 -0.8
SIGR	comp=N,2454um,0.3s			AML	AML	08 53 58.0
SIGR	comp=E,1934um,0.6s			AML	AML	08 53 58.4
SIGR	SIGRI	0.33	22	Op	Pg	08 53 51.6 0.0
SIGR	SIGRI	0.33	22	Op	Pg	08 53 57.0 -0.8
PRK	Paraskevi	0.26	56	Op	Pg	08 53 55.7 -0.3
PRK	Paraskevi	0.26	53	Op	Pg	08 54 04.3 -0.3
PRK	comp=N,791um,0.4s			AML	AML	08 54 06.3
PRK	comp=E,660um,0.5s			AML	AML	08 54 11.3
PRK	Paraskevi	0.56	53	Op	Pb	08 53 57.1 +0.5
PRK	Paraskevi	0.56	53	Op	Sb	08 54 04.4 -0.1
CHOS	Chios island	0.59	152	Op	Pg	08 53 56.2 -0.3
CHOS	Chios island	0.59	152	Op	Pg	08 54 04.6 +0.2
CHOS	comp=N,963um,0.7s			AML	AML	08 54 05.8
CHOS	comp=E,1102um,0.3s			AML	AML	08 54 08.7
CHOS	Chios island	0.59	152	Op	Pg	08 53 56.2 -0.3
AYVA	Ayvalik	0.87	62	Op	Pg	08 54 01.5 -0.3
AYVA	Ayvalik	0.87	62	Op	Pg	08 54 10.4 +0.5
AYVA	comp=Z,368nm,0.2s			IAML_P		
URLA	Izmir	0.89	128	Op	Pg	08 54 02.2 0.0
URLA	Izmir	0.89	128	Op	Sg	08 54 14.8 +0.7
URLA	Izmir	0.89	128	Op	Sb	08 54 01.7 -0.6
URLA	Izmir	0.89	128	Op	Sb	08 54 15.4 -0.6
ZEY	zmir	0.92	136	Op	Pg	08 54 01.4 -1.4
ZEY	zmir	0.92	136	Op	Sb	08 54 16.4 -0.2
ZEY	zmir	0.92	136	Op	Sb	08 54 16.4 -0.2
BOZC	Bozcaada	0.97	16	Op	Pg	08 54 03.2 -0.5
BOZC	Bozcaada	0.97	16	Op	Sg	08 54 16.6 +0.1
EZN	Ezine	1.04	28	Op	Pg	08 54 03.9 -0.9
EZN	Ezine	1.04	28	Op	Pg	08 54 04.7 -0.1
EZN	Ezine	1.04	28	Op	Pg	08 54 19.1 -0.4
BAYC	CANAKKALE_Bayr	1.06	38	Op	Sb	08 54 05.5 -0.1
BAYC	CANAKKALE_Bayr	1.06	38	Op	Sb	08 54 19.9 -0.3
LIA	Limnos Island	1.06	338	Op	Pg	08 54 05.4 -0.1
LIA	Limnos Island	1.06	338	Op	Sb	08 54 19.9 -0.3
LIA	Limnos Island	1.06	338	Op	Pn	08 54 07.7 +0.1
LIA	Limnos Island	1.06	338	Op	Pn	08 54 20.3 +0.1
ZEDA	zmir-Bergama	1.08	86	Op	Pn	08 54 05.6 -0.1
ZEDA	zmir-Bergama	1.08	86	Op	Pn	08 54 20.8 +0.2
DGB	zmir	1.26	132	Op	Pg	08 54 08.5 -0.2
DGB	zmir	1.26	132	Op	Sg	08 54 26.3 +0.6
DGB	zmir	1.26	132	Op	Sg	08 54 26.3 +0.6
AOS	Alonissos	1.44	281	Op	Pn	08 54 11.5 -0.2
AOS	Alonissos	1.44	281	Op	Pb	08 54 11.8 +0.1
GELI						



25d 10h

Table of astronomical observations for 25d 10h, listing stations like BDFB Brasilia, TSUM Tsumi, CPUP Villa Florida, etc., with columns for station name, coordinates, and observation details.

2013 FEB

Table of astronomical observations for 2013 FEB, listing stations like TULEG Thule, WRI Warramunga Arr, WRA Warramunga Arr, etc., with columns for station name, coordinates, and observation details.

IDC 25 09:24:34.6 E, 1.3, 5.02S, 151.25E, h0km, mb3.9/7, mb1 4.2/7, mb1mx3.8/9.4, mbmt3.9/7, Error ellipse: s-maj=50.7km s-min=19.3km az=120.0, New Britain region

Table of astronomical observations for IDC 25 09:24:34.6 E, listing stations like WRA Warramunga Arr, ASAR Alice Springs, FITZ Fitzroy Crossi, etc., with columns for station name, coordinates, and observation details.

IGQ 25 09:23:23.0 O, 3.2, 21.7W, 82.1, h64km, MLV3.6, Peru-Ecuador border region

Table of astronomical observations for IGQ 25 09:23:23.0 O, listing stations like PUYO Puyo, Santa Ro, COCH Cochancay, etc., with columns for station name, coordinates, and observation details.

MEX 25 09:43:24.5 O, 6.15, 36N, 92.28W, h178km, 7km, MD3.7, Mexico-Guatemala border region

Table of astronomical observations for MEX 25 09:43:24.5 O, listing stations like THIG Thule, THIG Thule, CCIG Comitán, etc., with columns for station name, coordinates, and observation details.

IDC 25 09:47:46.0 O, 0.7, 6.56S, 148.18E, h0km, mb4.2/13, mb1 4.4/15, mb1mx4.2/39, mbmt4.2/15, ML4.1/2, MS3.8/4, Ms1 3.8/4, ms1mx3.3/38, Error ellipse: s-maj=26.9km s-min=14.8km az=99.0

ISCJB 25 09:47:51.0 O, 0.4, 6.64S, 148.11E, h0.08, h51km, mb4.3/16, Error ellipse: s-maj=12.5km s-min=5.6km

NEIC 25 09:47:51.9 O, 0.1, 6.60S, 148.06E, h39km, 10km, mb4.1/7, Error ellipse: s-maj=11.3km s-min=6.3km az=127.0

ISC 25 09:47:53.0 O, 0.5, 6.69S, 148.17E, h0.09, h51km, n43, c207/45, mb4.3/16, New Britain region

Table of astronomical observations for ISC 25 09:47:53.0 O, listing stations like RABL Rabaul, COEN Coen, HNR Honiara, etc., with columns for station name, coordinates, and observation details.

1818

Table of astronomical observations for 1818, listing stations like BJT Baijiutau, KLR Kuldur, PETK Petropavlovsk, etc., with columns for station name, coordinates, and observation details.

NIED 25 09:55:00, 36.90N, 139.40E, h5km, Mw4.1 Best double couple: M01.76000x1015 N101.357.00000, delta.020000, 1.3.00000, NP2=261.00000, delta.079.00000, 1.51.00000, ISCJB 25 09:55:13.5 O, 0.4, 36.91N, 139.39E, h10km, mb3.0/11, MS4.2/1, Error ellipse: s-maj=4.0km s-min=4.0km az=39.5

IDC 25 09:55:13.8 O, 0.7, 36.86N, 139.41E, h0km, mb3.7/11, mb1 3.9/15, mb1mx3.8/37, mbmt3.7/15, ML3.2/4, MS3.4/6, Ms1 3.4/6, ms1mx3.1/44, Error ellipse: s-maj=19.0km s-min=9.5km az=150.0

JMA 25 09:55:13.5, 36.92N, 139.39E, h4km, 1km, M4.2 Broadband fault plane solution: P waves. NP1: delta.165.00000, delta.899.00000, delta.21.00000, NP2: delta.255.00000, delta.869.00000, delta.179.00000, Principal axes: T P14.0000, Azm212.0000, N P1669.0000, Azm343.0000, P P15.0000, Azm118.0000, JMA File III

ISC 25 09:55:15.3 O, 0.6, 36.91N, 139.43E, h0.04, h10km, n24, c1843/26, mb3.7/11, 3C-2D, Eastern Honshu

Table of astronomical observations for ISC 25 09:55:15.3 O, listing stations like Code Station Name, ASAJ Ashikawa, JKT Kishino, etc., with columns for station name, coordinates, and observation details.

IDC 25 10:07:57.9 E, 2.7, 5.34S, 131.70E, h0km, mb4.1/2, mb1 4.0/4, mb1mx3.6/32, mbmt3.9/4, ML3.8/2, Error ellipse: s-maj=239.9km s-min=24.6km az=70.0, Banda Sea

Table of astronomical observations for IDC 25 10:07:57.9 E, listing stations like WRA Warramunga Arr, ASAR Alice Springs, etc., with columns for station name, coordinates, and observation details.

IDC 25 10:23:09.3 E, 17.0, 22.76S, 178.43W, h430km, 131km, mb3.5/4, mb1 3.6/5, mb1mx3.1/40, mbmt3.9/4, Error ellipse: s-maj=257.2km s-min=52.1km az=57.0, South Fiji Islands

Table of astronomical observations for IDC 25 10:23:09.3 E, listing stations like Code Station Name, URZ Urewera, etc., with columns for station name, coordinates, and observation details.

SOME 25 10:34:51.1, 42.55N, 79.68E, h20km KNET 25 10:34:51.9 O, 1.2, 42.61N, 79.68E, h20km, mb3.2





Table with columns: EARI, Arriondas, 7.11 285 Pn Pn, 11 02 24.7 +2.2, etc. Lists various stations and their coordinates.

Table with columns: EKA, Eskdalemuir Ar, 14.31 343 Pn Pn, 11 03 59.8 -1.1, etc. Lists stations like HFS Hagfors, AKASG Malin Array Be, etc.

IDC 25 11:07:45.6: 1.1, 1.59N, 126.09E, h0km, mb3.8/5, mb1 3.9/6, mb1mx3/6/38, mbtmp3.8/6, ML3.7/1, Error ellipse: s-maj=95.2km s-min=18.4km az=69.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, etc. Lists stations like TNTI Ternate, TNGI Sangihe, etc.

IDC 25 11:14:46.6: 1.3, 32.255S, 178.02W, h0km, mb4.1/4, mb1 4.2/7, mb1mx4/0/25, mbtmp4.2/7, ML4.1/3, MS3.6/3, Ms1 3.5/3, ms1mx3/1/34, Error ellipse: s-maj=40.3km s-min=22.2km az=128.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, etc. Lists stations like RAO Raoul Island, MXZ Matakaoa Point, etc.

Table with columns: FIAO, FINESS Array B, 146.94 339 ePKPbc, 11 34 29.7 -0.7, etc. Lists stations like NB2 NORSAR Subarray, NOA NORSAR Array B, etc.

KRNET 25 11:16:39.0: 3.1, 42.48N, 78.45E, h22km, mb2.4, SOME 25 11:16:40.3, 42.52N, 78.43E, h10km, NNC 25 11:16:40.5, 42.55N, 78.43E, h0km, mb2.6, mpv2.5, Error ellipse: s-maj=6.1km s-min=2.8km az=164.0

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, Time, Res, etc. Lists stations like PRZ Przelaw'sk, SATY Saty, UZB Uzynbulak, etc.

25d 11h

Table with columns: KST, Kasket, baz=, 1.90 288, i/P, P, Sb, 11 17 14.5, -0.3

MEX 25 11:20:42.61+0.16 29N.98 22W, h6km±5km, MD3.6, Near coast of Guerrero

ISCJB 25 11:28:04.1+0.4, 30.82S±0.07x59.63E±0.07, h10km, mb4.6/57, MS4.0/27, Error ellipse: s-maj=10.9km

IDC 25 11:28:04.0+0.5, 30.76S±59.61E, h0km, ML4.3/21, mb1.4/22, mb1mx3.4/7, mbtmp4.3/22, ML4.3/1, MS3.9/26, M1.3.9/26, ms1mx3.8/43, Error ellipse: s-maj=17.7km

BUI 25 11:28:04.7, 30.70S±59.90E, h5km, mb5.3/17, mb4.9/34, MS4.7/4, MS7.4/3.3

NEIC 25 11:28:06.0±0.2, 30.77S±59.70E, h10km, mb4.8/34, Error ellipse: s-maj=6.2km s-min=5.4km az=185.0

GCMT 25 11:28:07.0±0.3, 30.70S±0.02x59.49E±0.04, h13km±1km, MW4.9/75, Moment Tensor Solution, s2c29, s75.c102

Duration: 0. Moment Tensor: Scale 1016Nm; Mw: 2.93±.19; Ms: 2.52±.13; Mm: 0.41±.11; Mo: 0.89±.26; Mo: 0.57±.09; Mu: 0.39±.36; Best double couple: M: 2.95900±.019; NP1±.253.00000±.654.00000±.1-86.00000±.0; NP2±.078.00000±.836.00000±.1-86.00000±.0; Principal axes: T: 2.8230, Plg9.0000±.0, Azm345.0000±.0; N: 0.2790, Plg3.0000±.0, Azm255.0000±.0; P: -3.0960, Plg8.0000±.0, Azm150.0000±.0; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 25 11:28:06.2±0.4, 30.65S±0.08x59.63E±0.08, h10km, n139, r1505/123, mb4.8/57, MS4.0/27, 1D, Southwest Indian Ridge

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC

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Table with columns: WRA, comp=Z, 7.1nm, 20.0s, baz=200, slow=33, LR, 12 04 5.4

1822

Table with columns: PLCA, Paso Flores, 95.33 216, LR, LR, 12 20 16.9

MEX 25 11:34:29.1±0.8, 14.72N.92 67W, h68km±21km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC

IDC 25 11:36:16.5±4.0, 5.08S±103.67E, h0km, mb3.6/5, mb1.9/5/5, mb1mx3.5/34, mbtmp3.6/5, Error ellipse: s-maj=188.0km s-min=21.0km az=53.0

ISCJB 25 11:36:17.6±1.8, 5.79S±0.06x103.70E±0.06, h2km±10km, mb3.7/5, Error ellipse: s-maj=11.5km s-min=7.5km

DJA 25 11:36:18.2±0.6, 5.5±10.4E±.1, h10km, MS3.6/6, MLV3.6/6

ISC 25 11:36:19.2±1.5, 5.76S±0.10x103.63E±0.06, h17km±11km, n12, r2303/16, mb3.6/5, Southern Sumatera

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC

IDC 25 11:50:15.8±1.7, 11.07S±165.50E, h0km, mb3.8/4, mb1.4/0.6, mb1mx3.7/39, mbtmp3.9/6, ML4.2/2, MS3.3/2, M1.3.3/2, ms1mx2.8/30, Error ellipse: s-maj=37.7km s-min=28.8km az=128.0

ISCJB 25 11:50:18.0±1.3, 11.2S±0.1±165.6E±0.1, h30km, mb4.0/5, MS3.9/1, Error ellipse: s-maj=226.8km s-min=11.6km

ISC 25 11:50:19.8±1.4, 11.1S±0.2±165.6E±0.1, h30km, n14, r1577/8, mb3.8/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC

ISCJB 25 12:01:40.1-0.2, 18:88S, 0:04-169:43E, 0:04, h246km, mb4.6/98, Error ellipse: s-maj=6.7km s-min=4.2km az=145.4

BUJ 25 12:01:41.5, 19:00S:169:50E, h261km, mb5.0/6, mb4.5/10 NEIC 25 12:01:43.6-0.3, 18:97S:169:49E, h272km, 3km, mb4.7/84, Error ellipse: s-maj=3.7km s-min=2.8km az=155.0

IDC 25 12:01:44.6, 1.2, 18:99S:169:52E, h280km, 11km, mb4.1/20, mb1.4/322, mb1mx4.1/31, mbmp4.7/22, Error ellipse: s-maj=13.7km s-min=9.5km az=149.0

ISC 25 12:01:41.1-0.4, 18:93S-0:06:169:51E, 0:06, h246km, #230, #1800/236, mb4.7/98, 3C, Vanuatu Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists various seismic stations and their parameters.

Table with columns: P, M, S, ISC, Time, Res, ISC. Lists seismic event parameters for stations like Antelope Grade, SCI2, 002D, etc.

Table with columns: P, M, S, ISC, Time, Res, ISC. Lists seismic event parameters for stations like BMN, I07A, R11A, etc.

NNC 25 12:03:21.5-2.0, 41:17N:71:06E, h0km, mb2.9, mpv2.6, Error ellipse: s-maj=16.2km s-min=9.1km az=48.0

KRNET 25 12:03:24.6-0.1, 41:35N:70:97E, h23km, mb2.3

ISC 25 12:03:23.4-1.7, 41:31N:70:47E, 0:05, h4km, 12km, n16, #1913/28, 19C-11D, Kyrgyzstan

Table with columns: Code, Station Name, Az, Op, Phase ID, Time, Res, ISC. Lists seismic stations and their parameters.



Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MNAS Manas, KK31 Karatay Array, AML Almayashu, etc.

ISC 25 12:07:15.3.3.1, 16.265x175.29W, h0km, mb4.1/4, mb1 4.3/4, mb1mx3.8/32, mbtmp4.1/4, Error ellipse: s-min=166.1km s-max=55.7km az=155.0, Tonga Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like CTA Charters Tower, WRA Warrungua Arr, ASAR Alice Springs, etc.

NEIC 25 12:15:27.8.0.17, 10N:94.96W, h122km, MD4.2(MEX), After MEX

MEX 25 12:15:27.8.1.2, 17:10N:94.96W, h123km, 12km, MD4.2, Chiapas

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like CMIG Matias Romero, TUIG Tuzandepetl, VHO Vista Hermosa, etc.

ISCJB 25 12:17:21.0.9.23, 4S:0.1x180.0W:0.2, h532km, mb4.1/12, Error ellipse: s-maj=19.4km s-min=15.7km az=157.6

ISC 25 12:17:24.8.1.6, 23:50S:179.99W, h566km, 17km, mb3.6/12, mb1 3.7/15, mb1mx3.5/33, mbtmp4.5/15, Error ellipse: s-maj=19.1km s-min=16.6km az=42.0

ISC 25 12:17:22.1.0.9.23, 3S:0.1x180.0W:0.1, h532km, n16, z=201/18, mb4.2/12, South of Fiji Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like RAO Raoul Island, DZM Mont Dzumac, URZ Urewa, etc.

ISCJB 25 12:20:02.4.0.4, 13:19S:0.04:167.77E:0.06, h33km, mb4.4/23, MS3.6/8, Error ellipse: s-maj=8.4km s-min=5.9km az=163.8

NEIC 25 12:20:05.2.0.8, 13:13S:167.71E, h44km, 7km, mb4.6/14, Error ellipse: s-maj=6.4km s-min=6.2km az=152.0

ISC 25 12:20:06.5.3.6, 13:14S:167.69E, h55km, 32km, mb4.0/13, mb1 4.2/15, mb1mx4.0/35, mbtmp4.3/15, ML4.4/2, MS3.5/9,

Ms1 3.6/9, ms1mx3.2/31, Error ellipse: s-maj=23.6km s-min=19.4km az=109.0

ISC 25 12:20:03.9.0.6, 13:12S:0.06:167.88E:0.08, h35km, m50, c=15/49, mb4.5/23, MS3.5/8, Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like MARNC Mare Loyalty, HNR Honiara, DZM Mont Dzumac, etc.

ISCJB 25 12:24:57.3.0.5, 36:89N:0.03:139.40E:0.04, h9km, 4km, mb3.3/2, MS3.3/1, Error ellipse: s-maj=5.6km s-min=3.7km az=32.3

JMA 25 12:24:57.5.36:89N:139.41E, h4km, 1km, M3.3 Broadband fault plane solution: P waves. NP1: 0.67, 0.0000°, 0.88, 0.0000°, 1.166, 0.0000°. NP2: 0.337, 0.0000°, 0.876, 0.0000°, 1.2, 0.0000°. Principal axes: T: P1g11.0000°, Azm201.0000°; N: P1g76.0000°, Azm7293.0000°; P: P1g11.0000°, Azm293.0000°;

JMA Felit III J, IDC 25 12:24:58.3.1.9, 36:80N:139.39E, h0km, mb3.3/2, mb1 3.6/2, mb1mx3.1/38, mbtmp3.3/2, MS3.4/1, Ms1 3.4/1, ms1mx2.6/20 Error ellipse: s-maj=16.7km s-min=12.9km az=38.0

ISC 25 12:24:57.8.1.2, 36:90N:0.03:139.40E:0.03, h2km, 13km, n13, c=41/21, 6C-2D, Eastern Honshu

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like JKT Katashina, JSB Shioha, JHK Hiroka, etc.

ROM 25 12:25:29.5.0.1, 42:47N:0.0003:13.491E:0.0005, h14km, ML2.1/13, Central Italy

Table with columns: Code, Station Name, Az, Az', Op, Phase ID, ISC, Time, Res, h, m, s, ISC. Includes stations like CAMP Campotosto, AQUA L'Aquila, TERO Teramo, etc.

1825

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MOMA, SNTG, MOCO, ROM 25 12:26:05.8...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CING, TREI, MDRAR, SNTG, ARVD, FDMO, CESI, GUMA, ROM 25 12:27:02.2...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CAMP, AQU, TERO, SMA1, FAGN, VCEL, FIAM, LNSS, ROM 25 13:00:46.9...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JKT, JAG, ROM 25 13:00:46.9...

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Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LNSS, NRCA, PTOR, OFFI, INTR, FDMO, LPEL, CESI, MOMA, SNTG, ROM 25 12:33:45.7...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA, ASAR, STKA, SONM, MKAR, ILAR, YKAW, TOR, ROM 25 12:55:28.0...

ISK 25 12:58:51.4, 40°60'N:30°31'E, h4km, ML 1.9/7
ISCJB 25 12:58:52.2, 40°60'N:0°03'30"E:0.05, h8km, 5km, Error ellipse: s-maj=6.8km s-min=4.6km az=173.5

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SAUV, GULT, SAHE, KAND, CAVU, MDVU, BORA, SBT5, ARMT, TVSB, ROM 25 13:00:46.9...

MEX 25 13:25:03.4, 40°45'N:0°03'36"E:0.03, h3km, 12km, Error ellipse: s-maj=5.2km s-min=4.4km az=28.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TOKT, SVSK, CUZAR, ORDU, KVT, CUSAR, DARE, ROM 25 13:25:03.4...

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JKT, JAG, ROM 25 13:25:03.4...

25d 13h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JAG, JSB, JHK, JHF, JFY, JGK, MJAR, MAT, ASAJ, JNU, JNU, KRSR, ILAR, INK, WRA, ASAR, NEW, MEX 25 13:05:35.5...

MEX 25 13:05:35.5, 40°13'75"N:91°37'W, h20km, 56km, MD4.0, Near coast of Guatemala

ISCJB 25 13:12:41.4, 40°4.0, 60°73'N:0°03'147'20"W:0.05, h30km, 3km, mb3.6/1, Error ellipse: s-maj=5.1km s-min=3.7km az=171.3

NEIC 25 13:12:42.8, 40°60'74"N:147°19'W, h23km, ML2.6(AEIC), After AEIC.

IDC 25 13:12:46.9, 1.2, 61°07'N:149°41'W, h115km, 44km, mb3.3/1, mb1.3/0.4, mb1mx2.757, mbtmp3.1/4, Error ellipse: s-maj=71.0km s-min=9.7km az=112.0

ISC 25 13:12:41.8, 0.9, 60°73'N:0°03'147'29"W:0.02, h18km, 6km, n5d, 1581/61, Southern Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GLI, JPK, HNL, PWL, VMT, EYAK, DIV, PTE, KNU, KLU, SCM, SML, PMR, SEW, RC01, PS12, GHO, SLKM, HMT, PS11, NICH, SUA, BKM, MCAR, KULT, DHY, PAX, KIAG, BALM, HUR, SPWE, RED, RND, TRAF, MCK, PPLA, RIDG, CAST, PCA, WRH, CHUM, KDAK, KDAP, IL18, ILAR, ILAR, MOLA, OHAK, IMS, YKA, TXAR, ROM 25 13:25:03.4...

ISCJB 25 13:25:03.4, 40°45'N:0°03'36"E:0.03, h3km, 12km, n14, 1978/22, Turkey

ISCJB 25 13:25:03.4, 40°45'N:0°03'36"E:0.03, h3km, 12km, Error ellipse: s-maj=5.2km s-min=4.4km az=28.1

DDA 25 13:25:03.4, 40°45'N:0°03'36"E:0.03, h7km, 3km, ML2.7

ISC 25 13:25:03.4, 40°45'N:0°03'36"E:0.03, h3km, 12km, Error ellipse: s-maj=5.2km s-min=4.4km az=28.1

ISC 25 13:25:03.4, 40°45'N:0°03'36"E:0.03, h3km, 12km, Error ellipse: s-maj=5.2km s-min=4.4km az=28.1

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TOKT, SVSK, CUZAR, ORDU, KVT, CUSAR, DARE, ROM 25 13:25:03.4...



baz=309					
PKM Mcpherson Peak	19.95	149	P	P	13 46 00.6 +1.3
baz=337					
ARVC Arvin	20.05	146	P	P	13 46 01.3 +1.1
baz=336					
Q16A Castle Valley	20.07	125	eP	P	13 46 01.9 +1.3
CCUT Cedar City	20.12	132	eP	P	13 46 01.7 +0.5
LRMC Laurel Mtn Rd	20.13	144	P	P	13 46 02.1 +0.9
baz=334,SNR=5.2					
RWWY Rawlins	20.17	113	eP	P	13 46 02.9 +1.1
22nm,0.9s					
SZCU Shurtz Canyon	20.20	131	eP	P	13 46 02.7 +0.5
26nm,1.0s					
SHPR Sheep Range	20.21	137	eP	P	13 46 03.0 +0.8
11nm,1.0s					
SRU San Rafael Swe	20.24	124	eP	P	13 46 03.4 +0.8
34nm,1.1s					
MTPU Mount Pierson	20.27	129	eP	P	13 46 04.3 +1.3
13nm,1.1s					
SHOC Shoshone, Teco	20.29	140	P	P	13 46 04.3 +1.5
baz=335,SNR=12					
SBC Santa Barbara	20.39	149	P	P	13 46 05.6 +1.7
baz=338					
RSSD Black Hills	20.48	104	eP	P	13 46 06.2 +1.1
14nm,0.8s					
RSSD Black Hills	20.48	104	P	P	13 46 05.4 +0.2
baz=305					
ANM Nome	20.60	318	eP	P	13 46 07.4 +1.4
21nm,1.0s					
GSC Goldstone, Bar	20.61	142	eP	P	13 46 08.1 +1.6
22nm,1.0s					
GSC Goldstone, Bar	20.61	142	P	P	13 46 08.0 +1.6
baz=333,SNR=14					
LCMT Little Creek M	20.61	132	eP	P	13 46 08.1 +1.6
28nm,1.1s					
O20A White River Ci	20.68	118	eP	P	13 46 08.3 +1.0
44nm,0.9s					
O20U White River Ci	20.68	118	P	P	13 46 08.1 +0.9
baz=318,SNR=18					
PKU Pink Cliffs	20.69	130	eP	P	13 46 08.9 +1.4
30nm,1.1s					
KNB Kanab	20.80	132	eP	P	13 46 09.8 +1.2
15nm,1.2s					
SCZ2 Santa Cruz Isl	20.83	149	P	P	13 46 10.2 +1.5
baz=338					
TUQ Turquoise Mount	20.83	140	P	P	13 46 10.2 +1.4
baz=331,SNR=22					
BLG Laguna Peak, P	20.90	148	P	P	13 46 10.9 +1.5
baz=337					
RRX Edison Barstow	20.92	143	P	P	13 46 11.0 +1.3
baz=333					
DECO Green Verdugo	21.01	146	P	P	13 46 12.0 +1.3
baz=336					
MWC Mount Wilson	21.13	146	eP	P	13 46 13.6 +1.5
45nm,1.1s					
PASC Pasadena Art C	21.13	146	eP	P	13 46 13.5 +1.6
35nm,1.0s					
HEC Hector, Ludlow	21.20	142	eP	P	13 46 13.9 +0.9
baz=333,SNR=15					
BFSC Mount Baldy Ra	21.25	145	P	P	13 46 14.6 +1.2
baz=335,SNR=15					
MDND Maddock	21.28	90	P	P	13 46 13.1 -0.4
baz=295					
N23A Red Feather La	21.41	113	eP	P	13 46 15.5 +0.3
16nm,0.9s					
N23V Red Feather La	21.41	113	P	P	13 46 15.4 +0.3
baz=312,SNR=11					
PHWY Pilot Hill	21.41	112	eP	P	13 46 15.4 +0.2
16nm,1.0s					
PV09 Paradox Valley	21.41	123	eP	P	13 46 16.1 +0.8
LDFC Landfair	21.46	139	eP	P	13 46 16.2 +0.6
27nm,0.9s					
BBRC Big Bear Solar	21.49	143	P	P	13 46 16.7 +0.6
baz=334					
GMRC Granite Mounta	21.50	140	P	P	13 46 17.0 +0.9
baz=332,SNR=9.0					
PV23 Carpenter Ridg	21.51	123	eP	P	13 46 16.8 +0.4
18nm,0.9s					
FMP Fort Macarthur	21.52	147	P	P	13 46 16.8 +0.7
baz=333					
U15A North Rim	21.52	132	eP	P	13 46 17.4 +0.9
21nm,0.8s					
SNCC San Nicolas Is	21.55	150	P	P	13 46 16.7 +0.2
baz=339					
PV10 Paradox Valley	21.56	123	eP	P	13 46 18.1 +1.3
33nm,1.2s					
PV14 Lion Creek, Pa	21.57	123	eP	P	13 46 17.4 +0.5
33nm,1.1s					
PV04 Paradox Valley	21.61	122	eP	P	13 46 17.7 +0.4
20nm,1.0s					
PV20 West Nyswonger	21.62	123	eP	P	13 46 18.0 +0.6
19nm,1.0s					
PV19 Morning Glory	21.64	123	eP	P	13 46 18.0 +0.4
17nm,0.9s					
PV16 Nyswonger Mesa	21.67	123	eP	P	13 46 18.6 +0.6
18nm,1.0s					
PV17 East Wray Mesa	21.67	123	eP	P	13 46 18.6 +0.6
37nm,1.0s					
PV11 David Mesa, Pa	21.70	123	eP	P	13 46 19.0 +0.8
28nm,1.0s					
PV07 Paradox Valley	21.71	122	eP	P	13 46 19.5 +1.1
12nm,0.8s					
PV12 Saucer Basin,	21.72	122	eP	P	13 46 19.2 +0.7
27nm,1.0s					
PV03 Paradox Valley	21.75	123	eP	P	13 46 19.4 +0.6
16nm,0.9s					
PV05 Paradox Valley	21.75	123	eP	P	13 46 19.9 +1.0
78nm,1.7s					
CIS Catalina Islan	21.76	147	P	P	13 46 19.2 +0.4
baz=337					
PV13 Radium Mtn., P	21.83	123	eP	P	13 46 20.4 +0.7
34nm,1.1s					
PV02 Paradox Valley	21.84	123	eP	P	13 46 20.3 +0.5
16nm,1.1s					
PV15 Paradox Valley	21.87	122	eP	P	13 46 20.9 +0.8
16nm,0.9s					
W13A Hualapai Mount	21.95	136	eP	P	13 46 21.8 +0.8
6.6nm,0.8s					
PV01 Paradox Valley	21.98	122	eP	P	13 46 21.9 +0.6
16nm,0.9s					
MURC Murrieta	21.99	145	P	P	13 46 21.7 +0.5
baz=335					
FCC Fort Churchill	22.02	59	eP	P	13 46 21.9 +0.6
22nm,1.1s					
FCC Fort Churchill	22.02	59	P	P	13 46 21.4 +0.1
SMCO Snowmass	22.05	118	eP	P	13 46 22.8 +0.6
16nm,0.9s					
BELC Belle Mtn, Jos	22.07	142	P	P	13 46 22.9 +0.7
baz=333,SNR=11					
SC12 San Clemente I	22.11	148	P	P	13 46 22.9 +0.5
baz=338					
PFO Pinyon Flats O	22.25	143	eP	P	13 46 24.1 +0.1
21nm,1.6s					
PFO Pinyon Flats O	22.25	143	P	P	13 46 24.4 +0.3
baz=334					
XPFO Pion Flat	22.25	143	eP	P	13 46 24.1 +0.1
22nm,1.6s					
IRM Iron Mountain	22.25	140	P	P	13 46 24.8 +0.7
baz=332,SNR=6.7					
ISCO Idaho Springs	22.34	115	eP	P	13 46 25.3 +0.0
6.6nm,0.9s					
PDMOI Parker Dam,Lak	22.53	138	P	P	13 46 27.3 +0.3
baz=330					
BC3 Big Chuckawall	22.58	141	P	P	13 46 28.1 +0.5
baz=333					
ULM Lac du Bonnet	22.60	82	P	P	13 46 27.4 -0.2
9.9nm,0.9s, baz=293,slow=11,SNR=14					
ULM	1.6nm,0.6s, baz=203,slow=21,SNR=2.3				13 53 16.6
ULM	comp=Z,153nm,18.7s, baz=296,slow=40				13 56 24.3
WUAZ Wupatki	22.70	131	eP	P	13 46 29.2 +0.4
21nm,1.3s					
WUAZ Wupatki	22.70	131	P	P	13 46 29.0 +0.1
baz=326,SNR=9.7					
MVCO Mesa Verde	22.72	124	eP	P	13 46 29.2 +0.0
26nm,1.3s					
MVCO Mesa Verde	22.72	124	P	P	13 46 29.2 +0.0
baz=321,SNR=8.5					
Y12C Blythe	22.86	139	eP	P	13 46 30.9 +0.5
8.2nm,0.9s					
Y12C Blythe	22.86	139	P	P	13 46 30.9 +0.5
baz=332					
MONP2 Monument Peak	22.91	144	P	P	13 46 31.4 +0.3
baz=335					
SWSC Sam W. Stewart	23.09	143	P	P	13 46 32.8 +0.1

baz=334					
GAMB Gambell	23.09	314	eP	P	13 46 33.0 +0.5
baz=315					
S22A 4UR Ranch, Cre	23.18	120	eP	P	13 46 34.6 +0.6
56nm,0.5s					
S22A 4UR Ranch, Cre	23.18	120	P	P	13 46 34.0 +0.0
baz=318,SNR=21					
Q24A Divide	23.19	116	P	P	13 46 34.0 -0.1
baz=315					
IKP In-Ko-Pac, Jac	23.24	144	P	P	13 46 34.6 +0.2
baz=335,SNR=5.2					
Y14A Wickenburg	23.31	136	eP	P	13 46 35.6 +0.5
6.0nm,0.8s					
SUSD Summit	23.34	98	P	P	13 46 35.0 -0.3
baz=303					
GLA Glamis	23.36	141	eP	P	13 46 35.9 +0.3
17nm,1.1s					
GLA Glamis	23.36	141	P	P	13 46 35.8 +0.2
baz=333,SNR=6.1					
AGMN Agassiz Nation	23.36	86	eP	P	13 46 35.3 -0.1
16nm,0.9s					
AGMN Agassiz Nation	23.36	86	P	P	13 46 34.6 -0.9
baz=335,SNR=7.1					
X16A Lo Mia Camp, P	23.53	133	eP	P	13 46 38.2 +0.2
4.3nm,0.9s					
OGNE Ogallala	23.60	108	eP	P	13 46 38.1 +0.2
46nm,1.0s					
OGNE Ogallala	23.60	108	P	P	13 46 38.1 +0.2
baz=310					
W18A Petrified Fore	23.78	129	P	P	13 46 40.3 +0.4
baz=325					
SDCO Great Sand Dun	23.88	118	eP	P	13 46 41.0 +0.0
11nm,1.0s					
SDCO Great Sand Dun	23.88	118	P	P	13 46 41.2 +0.3
baz=318,SNR=12					
X18A Snowflake	24.17	130	eP	P	13 46 43.6 +0.1
24nm,1.0s					
KSCO Kaye Shedlock	24.55	112	eP	P	13 46 47.6 +0.6
20nm,0.8s					
KSCO Kaye Shedlock	24.55	112	P	P	13 46 47.7 +0.7
20nm,0.8s					
T25A Trinidad	24.91	118	eP	P	13 46 50.4 +0.1
12nm,1.3s					
T25A Trinidad	24.91	118	P	P	13 46 50.6 +0.3
baz=318					
214A Organ Pipe Nat	25.12	138	P	P	13 46 52.7 +0.7
baz=332					
ECSD EROS Data Cent	25.14	97	eP	P	13 46 52.0 +0.0
36nm,1.1s					
ECSD EROS Data Cent	25.14	97	P	P	13 46 52.6 +0.5
baz=304,SNR=20					
ANMO Albuquerque	25.52	124	eP	P	13 46 56.0 +0.2
4.1nm,0.8s					
ANMO Albuquerque	25.52	124	P	P	13 46 56.3 +0.5
4.0nm,0.8s, baz=315,slow=10,SNR=18					
ANMO Albuquerque	25.52	124	P	P	13 46 55.3 -0.5
comp=Z,39nm,19.8s, baz=324,slow=41					13 58 44.2
LR					
BGNE Belgrade	25.58	103	eP	P	13 46 55.5 -0.6
28nm,0.9s					
BGNE Belgrade	25.58	103	P	P	13 46 56.0 -0.1
baz=316					
LAZ Ladrón	25.61	126	eP	P	13 46 57.8 +1.1
TUC Tucson	25.66	134	eP	P	13 46 57.5 +0.6
6.1nm,0.9s					
TUC Tucson	25.66	134	P	P	13 46 58.0 +1.0
baz=329					
EYMN Ely	26.15	84	eP	P	13 47 02.0 +0.8
20nm,1.1s					
EYMN Ely	26.15	84	P	P	13 47 02.3 +1.0
baz=296,SNR=8.2					
CBKS Cedar Bluff	26.33	109	eP	P	13 47 03.1 +0.2
15nm,0.7s					
CBKS Cedar Bluff	26.33	109	P	P	13 47 03.1 +0.2
baz=313					
RES Resolute Bay	26.59	21	eP		



Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ELDT, KKUL, CDRR, KULU, etc.

NIED 25 14:32:00, 36.90N, 139.40E, h5km, Mw3.8 Best double couple: Mb=27000±104, NP1=26.00000°, δ65.00000°...

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like JKT, JAG, JSB, etc.

IDC 25 14:43:19.6, 1.67, 366N, 142.45E, h0km, mb3.4/5, mb1 3.5/6, mb1mx3.3/47, mbtmp3.4/6, ML3.0/1, Error ellipse: s-maj=37.8km s-min=19.7km az=164.0...

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MOMR, YBGR, DEPR, etc.

ISC/JB 25 14:50:54.1, 1.0, 11.14S, 0.08:165.8E, 0.1, h61km, mb3.7/5, Error ellipse: s-maj=16.1km s-min=8.5km az=145.5...

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR, DZM, CTA, etc.

IDC 25 15:06:10.2, 1.9, 7.60S, 122.78E, h0km, mb3.3/1, mb1 3.5/3, mb1mx3.2/36, mbtmp3.3/3, ML2.7/2, Error ellipse: s-maj=29.1km s-min=28.5km az=57.0, Flores Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRA, ASAR, CMAR, etc.

BUI 25 15:14:33.0, 1.1108S, 165.90E, h5km, mb5.5/47, mb5.1/56, MS5.3/54, MS7.5/150

IDC 25 15:14:33.7, 0.4, 11.11S, 165.98E, h0km, mb4.8/22, mb1 5.0/24, mb1mx4.9/31, mbtmp4.8/24, ML5.1/2, MS5.0/26, MS1 5.0/26, ms1mx4.8/46, Error ellipse: s-maj=13.6km s-min=11.1km az=123.0...

ISC/JB 25 15:14:34.2, 1.3, 11.17S, 0.03:165.90E, 0.02, h10km, 7km, MS5.2/197, MS5.3/282, Error ellipse: s-maj=5.1km s-min=4.0km az=163.0...

NEIC 25 15:14:35.4, 0.1, 11.11S, 165.90E, h10km, mb5.3/148, MS5.4/237, MW5.3, Error ellipse: s-maj=3.6km s-min=2.8km az=117.0 Best double couple: NP1: φ=175.00000°, δ71.00000°, λ89.00000°...

MOS 25 15:14:37.6, 0.8, 11.14S, 165.80E, h33km, mb5.3/57, MS5.1/23 Error ellipse: s-maj=8.1km s-min=7.1km az=108.4

ISC 25 15:14:36.7, 0.6, 11.18S, 0.04:165.82E, 0.04, h15km, 3km, mb5.1, c150, mb20, mb5.2/207, MS5.4/282, 15C-4D, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like HNR, DZM, MARCN, etc.

Table with columns: LHI, Lord Howe Isla, 21.19 196, PFAKE, LR, 15 19 30.0 +8.3. Includes stations like MTSU, RMQ, COEN, etc.

Table with columns: H11S2, WAKE ISLAND Hy 29.49, 2 T T, 15 51 10.4. Includes stations like H11S3, WAKE ISLAND Hy 29.49, etc.

Table with columns: WRA, Warramunga Arr, 16.62 139, Op, ISC, 15 10 03.7 -1.1. Includes stations like ASAR, Alice Springs, etc.

Table with columns: SNZO, South Karori, 31.02 167, PFAKE, LR, 15 21 10.0 +16. Includes stations like THZ, Topaz, etc.

Table with columns: WRA, Warramunga Arr, 31.51 250, P, 15 20 58.0 -0.4. Includes stations like WRAB, Tennant Creek, etc.

Table with columns: WRA, Warramunga Arr, 31.51 250, P, 15 20 58.0 -0.4. Includes stations like WRA, Warramunga Arr, etc.

Table with columns: WRA, Warramunga Arr, 31.51 250, P, 15 20 58.0 -0.4. Includes stations like WRA, Warramunga Arr, etc.

Table with columns: WRA, Warramunga Arr, 31.51 250, P, 15 20 58.0 -0.4. Includes stations like WRA, Warramunga Arr, etc.

Table with columns: WRA, Warramunga Arr, 31.51 250, P, 15 20 58.0 -0.4. Includes stations like WRA, Warramunga Arr, etc.











25 Dec 16h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TARA Tarawa, STKA Charters Tower, WR1 Warramunga Arr, etc.

IDC 25 15:28:48.91.1, 11.09Sx165.93E, h0km, mb4.0/9, mb1 4.2/11, mb1mx3.9/48, mbtmp4.1/11, ML4.3/2, Error ellipse: s-maj=34.8km s-min=21.5km az=133.0

NEIC 25 15:28:50.0.6, 11.09Sx165.92E, h10km, mb4.6/5, Error ellipse: s-maj=14.7km s-min=9.3km az=120.0

ISCJB 25 15:28:55.3.0.7, 11.24Sx0.08.165.77E:0.09, h61km, mb4.1/10, Error ellipse: s-maj=13.0km s-min=11.9km az=6.5

ISC 25 15:28:56.7.0.8, 11.26Sx0.07.165.81E:0.10, h61km, n22, c1547/28, mb3.8/10, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, STKA Charters Tower, etc.

IDC 25 15:36:28.31.0, 11.34Sx166.06E, h0km, mb3.9/9, mb1 4.2/11, mb1mx3.9/45, mbtmp4.0/11, ML3.8/2, MS3.9/2, Ms1 3.9/2, ms1mx3.4/41, Error ellipse: s-maj=28.0km s-min=21.4km az=136.0

NEIC 25 15:36:31.2.5.5, 11.33Sx166.01E, h17km, 34km, mb4.5/3, Error ellipse: s-maj=13.4km s-min=12.2km az=191.0

ISCJB 25 15:36:32.7.0.6, 11.40Sx0.09.165.84E:0.08, h37km, mb4.0/10, MS4.3/1, Error ellipse: s-maj=13.7km s-min=10.2km az=72.2

ISC 25 15:36:34.1.0.8, 11.35Sx0.11.165.9E:0.1, h37km, n20, c083/20, mb3.9/10, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, STKA Charters Tower, etc.

ISCJB 25 15:38:45.6.0.4, 4.24N:0.06x128.33E:0.09, h46km, mb3.8/14, Error ellipse: s-maj=15.0km s-min=5.8km az=148.3

IDC 25 15:38:46.8.2.7, 4.27N:128.25E, h36km, 22km, mb3.7/14, mb1 3.8/16, mb1mx3.6/46, mbtmp3.9/16, ML3.8/2, Error ellipse: s-maj=27.6km s-min=11.4km az=78.0

ISC 25 15:38:47.6.0.6, 4.26N:0.09.128.5E:0.1, h46km, n28, c1581/32, mb3.9/17, 1C, North of Halmahera

2013 FEB

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like DDMP Don Marcelino, MATTI MATTI, DAV Davao City (W), etc.

IDC 25 15:54:02.1.2.0, 11.12Sx165.84E, h0km, mb3.4/3, mb1 3.8/5, mb1mx3.6/46, mbtmp3.7/5, ML3.7/2, Error ellipse: s-maj=42.1km s-min=36.0km az=125.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like HNR Honiara, DZM Mont Dzumac, WRA Warramunga Arr, etc.

IDC 25 15:57:27.5.1.2, 19.83N:144.80E, h0km, mb3.5/4, mb1 3.7/4, mb1mx3.4/48, mbtmp3.5/4, Error ellipse: s-maj=97.5km s-min=24.6km az=104.0, Mariana Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, ILAR Eielson Array, etc.

NIED 25 16:00:00.29.10N:131.50E, h47km, Mw5.3 Best double couple: M=1.00000x1017 N=1.256.00000, s43.00000, 1.142.00000, NP2=16.00000, s65.00000, 1.54.00000

MOS 25 16:00:16.31.0, 29.02N:131.52E, h28km, mb5.5/84, MS5.0/25, Error ellipse: s-maj=6.0km s-min=3.8km az=110.0

ISCJB 25 16:00:16.8.0.6, 29.00N:01.131.56E:0.02, h32km, 4km, mb5.2/256, MS4.8/68, Error ellipse: s-maj=2.7km s-min=2.0km az=36.4

BUI 25 16:00:17.1.28.98N:131.55E, h41km, mb5.2/55, mb4.9/55, MS5.0/89, Ms7.4/92

JMA 25 16:00:18.4.0.1, 29.06N:131.50E, h85km, 4km, M5.1 JMA Felt II J1

GCMT 25 16:00:19.6.0.1, 29.05N:01.01.131.50E:0.01, h37km, MW5.4/121, Moment Tensor Solution. s82, c131, s121, c216. Duration: 192. Moment tensor: Scale 1017

IDC 25 16:00:19.7.1.5, 29.04N:131.55E, h42km, 13km, mb4.5/35, Mb1 4.6/44, mb1mx4.6/53, mbtmp4.8/44, ML4.7/7, MS4.6/40, Ms1 4.6/40, ms1mx4.5/50, Error ellipse: s-maj=10.6km s-min=8.3km az=92.0

NEIC 25 16:00:19.6.0.4, 29.01N:131.51E, h46km, 3km, mb5.5/175, Error ellipse: s-maj=3.4km s-min=2.5km az=139.0

NEIC Felt at Yomitan-sou, Okinawa. Recorded [2 JMA] in Miyazaki and on Amami-oshima, Uke-jima and Yoro-jima.

ISC 25 16:00:19.1.0.3, 28.98N:0.03.131.57E:0.03, h36km, 1km, h37km:pp-P, n733, c149/820, mb5.4/279, MS4.7/68, 65C-45D, Southeast of Ryukyu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JMTN Minamitane, JYAK Yakushimahirau, JZK Kikaishima, etc.

1834

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like JSU Takasaki, JKTJ Okinoerabujima, JOKE Shimokoshiki, etc.

1835

Table with columns for flight codes (MDJ, MDJ, MDJ, etc.), destinations (Mudunjiang, Ermo, San Manuel, Pa Ternei, etc.), times, and status indicators (sP, S, SS, pmax, etc.).

2013 FEB

Table with columns for flight codes (GYA, GYA, GYA, etc.), destinations (Hailar, Pagadian, Davao City, etc.), times, and status indicators (SS, pmax, SnSn, etc.).

25d 16h

Table with columns for flight codes (CHTO, CHTO, CHTO, etc.), destinations (Chiang Mai, Chiang Mai, Chiang Mai, etc.), times, and status indicators (eP, P, pmax, etc.).







25d 16h

Table of satellite data for 25d 16h, listing stations like WLF, TPWA, HVU, etc., with columns for name, frequency, polarization, and other technical details.

2013 FEB

Main table of satellite data for 2013 FEB, listing stations like SDV, MDP, NNA, etc., with columns for name, frequency, polarization, and other technical details.

1838

Table of satellite data for 1838, listing stations like CHTO, NJ2, KMI, etc., with columns for name, frequency, polarization, and other technical details.



25d 16h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like TPWA Teton Pass, BGU Big Grassy Mt, and many others.

ISCJB 25 16:26:27.20.0.5, 2.20S:0.05:128.88E:0.04, h10km, mb4.3/3, Error ellipse: s-maj=7.0km s-min=5.3km az=168.6

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Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like NEIC 25 16:26:41.6.1.1, 2.85S:129.37E, h59km, 17km, mb4.1/7, and many others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 25 16:28:32.4.1.8, 8.40S:127.96E, h0km, mb3.4/2, and many others.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JMA 25 16:31:49.9.0.3, 43.32N:146.90E, h45km, 4km, M2.9, and many others.

1840

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, h, m, s, ISC. Includes stations like IDC 25 16:48:10.2.0.5, 11.09S:165.97E, h0km, mb4.3/20, and many others.

ellipse: s-maj=9.3km s-min=6.1km az=93.0  
 ISC 25 16:48:45.3:0.5, 11.08S:0.06:165.91E:0.08, h10km, n53,  
 r123/60, mb4.5/23, Santa Cruz Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
HNR	Honiara	6.09 285		Pn	16 50 16.4	+0.9
HNR	36nm,0.3s,baz=10,slow=19,SNR=5.1			Sn	16 51 23.9	-1.4
HNR	Honiara	6.09 285		eS	16 50 14.0	-1.5
MARNC	Mare, Loyalty	10.54 169		eP	16 51 18.5	+2.1
DZM	Mont Dzumac	10.94 177		eP	16 51 23.2	+1.1
DZM	Mont Dzumac	10.94 177		Pn	16 53 22.1	+2.5
DZM	3.5nm,0.3s,baz=318,slow=16,SNR=7.0			Pn	16 51 22.1	0.0
DZM	0.6nm,0.3s,baz=110,slow=17,SNR=5.2			Sn	16 53 22.1	-2.5
DZM	comp=Z,890nm,18.0s,baz=18,slow=36			LR	16 55 11.2	
ONTNC	Ouen Toro	11.17 177		eP	16 51 28.9	+3.6
PIINN	Pines Island,	11.56 173		eP	16 51 33.5	+3.0
TARA	Tarawa	14.19 30		eP	16 52 12.7	-1.4
KWAJ	Kwajalein Atol	19.83 5		eP	16 53 17.6	-0.4
EIDS	Eidsvold	19.97 223		eP	16 53 19.4	-0.3
STKA	Stephens Creek	30.52 224		eP	16 54 59.9	+0.9
STKA	Stephens Creek	30.52 224		P	16 54 58.8	-0.2
WR1	Warramunga Arr	31.62 250		eP	16 55 08.3	-0.5
WR1	15nm,1.0s			PcP	16 58 01.9	+0.8
WRA	Warramunga Arr	31.62 250		P	16 55 08.3	-0.5
WRA	11nm,0.9s,baz=80,slow=9.2,SNR=7.8			PcP	16 58 01.9	+0.8
RPZ	Rata Peaks	32.81 173		P	16 55 18.6	-0.4
AS31	Alice Springs	32.91 243		eP	16 55 19.5	-0.7
ASAR	Alice Springs	32.91 243		P	16 55 19.2	-1.0
ASAR	2.7nm,0.8s,baz=70,slow=9.3,SNR=6.2			PcP	16 58 05.2	+0.5
MJAR	Matsushiro Arr	54.08 332		P	16 58 10.1	-0.2
MAJO	Matsushiro	54.08 332		P	16 58 10.1	-0.3
JNU	Nakatsue	55.20 324		eP	16 58 19.4	+0.8
JNU	19nm,1.3s			P	16 58 19.5	+0.8
ASAJ	Asahikawa	58.86 341		P	16 58 45.8	+1.4
USRK	Ussuriysk Arr	63.05 333		P	16 59 14.3	+1.6
PETK	Petrovavlovsk-	64.32 355		P	16 59 20.1	-0.9
PETK	3.4nm,1.0s,baz=146,slow=10,SNR=2.2			P	16 59 20.1	-0.9
KLR	Kuldur	67.16 336		P	16 59 40.2	+0.8
CM31	Chiang Mai Arr	72.27 294		eP	17 00 13.2	+1.7
CM31	Chiang Mai Arr	72.27 294		P	17 00 13.2	+1.7
CHTO	Chiang Mai	72.38 294		eP	17 00 12.3	+0.1
LZH	Lanzhou	74.90 312		eP	17 00 29.3	+2.4
LZH	comp=Z,2.2nm,1.1s			P	17 01 13.3	+0.2
ILAR	Eielson Array	83.50 18		P	17 01 13.3	+0.2
ILB	Eielson Array	83.50 18		eP	17 01 13.3	+0.2
NV01	Mina Array Sit	85.93 50		eP	17 01 27.2	+1.0
NVAR	Mina Array Bea	85.93 50		P	17 01 27.2	+1.0
NEW	Newport #1	89.61 41		P	17 01 42.6	-1.1
U15A	North Rim	90.00 53		eP	17 01 46.2	+0.4
PD31	Pinedale Array	93.66 47		eP	17 02 01.1	-0.6
PDAR	Pinedale Array	93.66 47		P	17 02 01.0	-0.6
MK32	Makanchi Array	93.66 317		eP	17 02 02.6	+0.4
MKAR	Makanchi Array	93.66 317		P	17 02 02.6	+0.4
ZALV	Zalesovo Beam	94.94 27		P	17 02 01.6	-0.5
ZAA1	Zalesovo Array	93.68 324		P	17 02 01.6	-0.5
YKA	Yellowknife Ar	94.94 27		P	17 02 06.6	-1.0
YKBS	Yellowknife Ar	94.94 27		eP	17 02 06.6	-1.0
NR1K	Noril'sk	96.21 340		LR	17 42 02.8	
ARAD	ARCESS Array S	116.41 346		PKPdf	17 07 28.3	-0.6
ARCS	ARCESS Array B	116.41 346		PKPdf	17 07 28.3	-0.6
BOSA	Boshof	125.19 223		PKIKP	17 07 47.7	+0.2
GEC2	GERESS Array S	135.81 334		PKIKP	17 08 07.7	-0.5
GER3	GERESS Array B	135.81 334		PKIKP	17 08 07.7	-0.5
ESDC	Sonsecra Array	150.14 344		PKPbc	17 08 37.5	-0.3
TORD	Torodi Ar. Bea	164.43 279		PKP	17 08 50.7	+0.3
TORD	comp=Z,0.2nm,0.3s,baz=355,slow=3.2,SNR=4.5			PKPab	17 09 43.4	-1.5
TOA1	Torodi Ar. Sit	164.43 279		PKPab	17 08 50.7	+0.3
TOA1	comp=Z,1.5nm,1.0s,baz=85,slow=3.5,SNR=3.9			PKPab	17 09 43.4	-1.5

ISCJB 25 16:51:42.8:0.2, 24.2°20'N,0°01':122.32'E:0°01', h55km,4km,  
 Error ellipse: s-maj=2.5km s-min=1.7km az=155.8  
 JMA 25 16:51:42.4:0.1, 24.1°14'N,122.28'E, h55km,3km, M3.4  
 TAP 25 16:51:43.0, 24.22°N, 122.27°E, h60km, ML3.8, B  
 ISC 25 16:51:43.3:1.2, 24.2°20'N,0°02':122.31'E:0°02', h50km,9km,  
 n135,r100/244,5C-9D, Taiwan region

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
EOS1	EOS1	0.39 335		iP	16 51 53.6	+0.4
EOS1	baz=331			eS	16 52 01.4	+1.1
NANB	Nanau	0.56 294		eP	16 51 55.4	+0.1
NANB	baz=299			eS	16 52 04.1	+0.2
ENA	ENAN	0.56 294		P	16 51 55.4	+0.1
ENA	baz=299			eS	16 52 04.2	+0.2
TWC	Suao	0.58 314		iP	16 51 55.4	-0.2
TWC	baz=316			Pn	16 52 04.2	-0.2
JYNG	Yonagunijimaku	0.63 67		P	16 51 56.4	+0.2
JYNG	baz=266			eS	16 52 06.1	+0.6
NACB	Ninganchiao	0.65 268		iP	16 51 56.1	-0.4
NACB	baz=266			eS	16 52 05.7	-0.3
TWD	Chiawan	0.66 260		iP	16 51 56.1	-0.4
TWD	baz=251			Pn	16 52 05.8	-0.3
HWA	Hwalien	0.68 251		P	16 51 56.8	+0.1
HWA	baz=248			eS	16 52 07.5	+1.0
YOJ	Yonaguni jima	0.69 68		P	16 51 57.1	+0.2
YOJ	baz=70			eS	16 52 07.1	+0.2
YOJ	Yonaguni jima	0.69 68		P	16 51 57.1	+0.2
YOJ	baz=237			eS	16 52 07.2	+0.3
ENLB	Shoufeng	0.71 246		iP	16 51 57.1	-0.1
ENLB	baz=237			eS	16 52 07.5	+0.3
EGS	Xiulin Townshi	0.73 332		eP	16 51 57.3	-0.2
ETLH	Xiulin Townshi	0.75 271		eP	16 51 57.6	-0.3

Code	Station Name	Δ°	AZ°	Phase ID	Time Res	ISC
					h m s	ISC
ETLH	baz=269			eS	16 52 08.3	-0.2
ILA	Ilan	0.76 318		eP	16 51 58.4	+0.5
ILA	baz=327			eS	16 52 09.3	+0.9
TWE	Neicheng	0.78 312		iP	16 51 58.4	+0.3
TWE	baz=307			eS	16 52 09.2	+0.3
TWE	baz=307			eS	16 51 58.2	+0.1
ENTT	Nioudum	0.81 303		P	16 51 58.8	+0.3
ENTT	baz=297			S	16 52 09.9	+0.4
NDT	Datong Townshi	0.83 299		P	16 51 59.1	+0.3
NDT	baz=294			eS	16 52 10.5	+0.5
TWB1	Santiao Chiao	0.86 340		iP	16 51 58.6	-0.5
TWB1	baz=332			eS	16 52 09.4	-1.2
NNSB	Datong	0.87 285		iP	16 51 59.3	-0.2
NNSB	baz=285			eS	16 52 11.1	-0.2
NNS	Nan Shan	0.89 286		P	16 51 59.4	-0.3
NNS	baz=286			eS	16 52 11.7	+0.1
TIPB	Shuangxi	0.89 330		eP	16 51 59.2	-0.4
TIPB	baz=341			eS	16 52 10.5	-1.0
ESL	Shilin	0.89 245		P	16 51 59.0	-0.6
ESL	baz=250			eS	16 52 10.8	-0.6
NWLT	Wulai	0.93 308		eP	16 52 00.6	+0.4
NWLT	baz=302			eS	16 52 12.8	+0.3
WHF	Hehuan Shan	0.95 267		P	16 52 00.4	-0.4
WHF	baz=257			eS	16 52 12.9	-0.7
EGFH	Guangfu	0.96 237		eP	16 52 00.2	-0.4
EGFH	baz=230			eS	16 52 13.4	+0.1
YHNB	Yeheng	0.97 299		iP	16 52 00.9	+0.2
YHNB	baz=299			eS	16 52 13.3	-0.2
NSK	Sanguang	0.99 299		P	16 52 01.1	+0.2
NSK	baz=299			eS	16 52 13.8	-0.1
NWF	Wu-fen Shan	0.99 331		eP	16 52 00.7	-0.3
NWF	baz=342			eS	16 52 12.8	-1.3
WFSB	Wu-fen Shan	0.99 331		eP	16 52 00.7	-0.3
WFSB	baz=342			eS	16 52 12.8	-1.1
TWA	Mucha	1.02 320		iP	16 52 01.4	+0.1
TWA	baz=332			eS	16 52 14.9	+0.3
TWT	Tachien	1.03 273		eP	16 52 02.1	+0.4
TWT	baz=272			eS	16 52 15.6	+0.4
NHHD	Xindian Distri	1.04 317		P	16 52 01.9	+0.3
NHHD	baz=327			eS	16 52 15.9	+0.8
CHGB	Renai	1.04 266		iP	16 52 01.7	-0.1
CHGB	baz=254			eS	16 52 15.1	-0.4
TDCB	Techi	1.05 273		eP	16 52 02.2	+0.3
TDCB	baz=273			eS	16 52 15.1	-0.4
OWD	Renai	1.06 257		eP	16 52 01.9	-0.2
OWD	baz=256			eS	16 52 15.0	-0.9
HGSD	Ruisui	1.07 229		eP	16 52 01.5	-0.5
HGSD	baz=222			eS	16 52 15.0	-0.8
TATO	Taipei	1.07 316		eP	16 52 02.1	+0.1
TATO	baz=326			eS	16 52 16.3	+0.4
TAP	Taipei	1.11 319		eP	16 52 02.3	-0.2
TAP	baz=333			eS	16 52 16.6	-0.1
EHY	Hungye	1.14 233		P	16 52 02.2	-0.7
EHY	baz=230			eS	16 52 16.4	-1.0
EHY	WVDT	1.16 248		iP	16 52 03.3	+0.2
EHY	baz=246			eS	16 52 17.3	-0.4
YM11	YM11	1.17 325		eP	16 52 02.9	-0.6
YM11	baz=336			eP	16 52 18.6	+0.2
YM05	YM05	1.17 325		eP	16 52 02.8	-0.6
YM05	baz=336			eS	16 52 19.1	+0.7
YM04	YM04	1.18 324		eP	16 52 03.0	-0.5
YM04	baz=335			eS	16 52 17.2	-1.4
YM08	YM08	1.18 327		eP	16 52 02.7	-0.9
YM08	baz=336			eS	16 52 17.1	-1.5
TWS1	Kuangyinshan	1.21 318		iP	16 52 03.9	0.0
TWS1	baz=330			eS	16 52 20.0	+0.9
ANP	Anpu	1.22 324		eP	16 52 03.6	-0.4
ANP	baz=335					







25d 19h

Table with columns: WJWS, WNT, WNT, WCHH, FULB, CHNS, CHNS, WKG, WKG, ELDTW, WDLH, WDLH, RLNB, IRIF, CHN2, CHN4, TPUB, STYT, WCH, WTY, TWK, TWK, WSF, TWGB, TWG, SNST, SNST, CHN1, CHN1, SGST, SGST, SLGT, SLGT, JKRS, CHNB, JJU, ECL, JISG, MASBT, EAST, SSPT, PNG, PHUB, VWUC, VWUC. Each row contains station name, frequency, mode, and coordinates.

WEL 25 19:45:49.9, 1.2, 36°S, 7°17'8E ±1'6, h33km, ML3.7/11, Off east coast of North Island

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like WMGZ, PKGZ, RUGZ, PUZ, TWGZ, URZ, MWZ, TKGZ, MUGZ, RTZ, SNZG, MTHZ, KWHZ, KAHZ.

SOME 25 19:34:46.8, 42°25N, 76°17E, h100km. KRNET 25 19:34:46.5, 0.1, 42°22N, 76°17E, h20km, mb2.1. NNC 25 19:34:46.1, 1.6, 42°23N, 76°13E, h0km, mb2.1, mpv2.2.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like BOOM, BOOM, KZA, KZA, KDJ, KDJ, TKM2, TKM2, TKM2, KST, KST, KST, KST, IZV, IZV.

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Table with columns: IZV, IZV, IZV, KBK, DGS, DGS, DGS, DGS, AAK, AAK, AAK, TARG, TARG, KTBS, KTBS, KTBS, KTBS, ARXS, ARXS, CHKK, CHKK, CHKK, CHKK, ARXS, ARXS. Lists stations with frequencies and modes.

ISCJB 25 19:44:59.8, 0.3, 36°27N, 0°03'71.26E, 0.05, h100km, mb3.8/17, Error ellipse: s-maj=5.5km s-min=3.6km az=167.4

BUI 25 19:44:59.5, 36°45N, 71°20E, h96km, mb4.0/4. IDC 25 19:44:59.2, 8, 36°15N, 71°20E, h93km, 25km, mb3.6/15. MS1 3/4/3, ms1mx2.5/55, Error ellipse: s-maj=18.7km s-min=14.7km az=15.0.

MOS 25 19:45:01.3, 1.0, 36°36N, 71°34E, h116km, mb4.4/6, Error ellipse: s-maj=10.9km s-min=4.9km az=88.0. NEIC 25 19:45:02.3, 0.5, 36°38N, 71°28E, h124km, 9km, mb4.0/4.

ISC 25 19:45:00.3, 0.5, 36°29N, 0°04'71.24E, 0.05, h100km, n106, mb3.8/124, mb3.8/17, AZC-6D, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Lists stations like KBL, KBL, CEB, CEB, GAR, GAR, CHGR, CHGR, NIL, NIL, THW, THW, SFK, SFK, SFK, SFK, SARP, SARP, KSH, KSH, KSH, KSH, TAS, TAS, DHRM, DHRM, DHRM, DHRM, AML, AML, MNAS, MNAS, MNAS, MNAS, KZA, KZA, EKS2, EKS2, AAK, AAK, AAK, AAK, AAK, AAK, AAK, AAK, SMLA, SMLA, SMLA, SMLA.

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Table with columns: CHMS, USP, TKM2, TKM2, TKM2, TKM2, TKM2, KDJ, KDJ, KDJ, KDJ, TARG, DDI, PRZ, PRZ, JOSI, JOSI, KHET, KHET, KHET, KHET, KALG, KUDL, KUDL, KUDL, SONA, SONA, GEYT, GEYT, GYA0B, GYA0B, OTUK, OTUK, OTUK, OTUK, BHPL, BHPL, KURB, KURB, AB31, AB31, AB31, AB31, KURK, KURK, KURK, BVA0, BVA0, BVA0, BVA0, BVAR, BVAR, BRVK, BRVK, BRVK, BRVK, WSR, WSR, AKTO, AKTO, AKTO, AKTO, AKTO, AKTO, BOK, BOK, LSA, LSA, LSA, LSA, ZAA0, ZAA0, ZALV, ZALV, NVS, NVS, GNI, GNI, GNI, GNI, ARU, ARU, ARU, ARU, KBZ, KBZ, KIRV, KIRV, SOMR, SOMR, JOF, JOF, JOF, JOF, FINES, FINES, SUF, SUF, SUF, SUF, ARCES, ARCES, NB2, NB2, NOA, NOA, MJAR, MJAR, TORD, TORD, INK, INK, BOSA, BOSA, KDKA, KDKA, YKA, YKA, WRA, WRA, ASAR, ASAR.

ISCJB 25 19:45:29.8;0.8,36.3N;0.1;71.0E;0.2,h100km,mb3.7/ Error ellipse: s-maj=18.9km s-min=16.5km az=165.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like AAK Ala-Archa, MKAR Makanchi Array, CMAR Chiang Mai Arr, etc.

KRNET 25 19:46:15.8;0.1,43.91N;77.60E,h19km,mb2.7 NNC 25 19:46:16.7;0.2,44.00N;77.61E,h10km,2km,mb3.2

Main table for 1845 section containing station data for ARX, CHKK, KURS, KTBS, KOTS, MDOK, KU, TNS, SATY, IZV, UZB, PDGK, KST, PRZ, DJR, KAPS, UCH, etc.

IDC 25 19:46:23.1;6.4,31.63S;178.35W,h0km,mb3.7/2, mb1 4.0/2,mb1mx3.6/2,mbtmp3.5/2, Error ellipse: s-maj=27.48km s-min=54.8km az=158.0, Kermadec Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, etc.

ISCJB 25 19:48:36.8;0.4,39.55N;0.03;28.05E;0.03,h13km,4km, Error ellipse: s-maj=4.9km s-min=3.9km az=20.5

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like BALB Balikesir, BALB BALIKESIR\_Sava, DURS Dursunbey, etc.

EDC Edincik 0.87 323 I/P Sg Sb 19 49 04.2 +0.4 KNL Balikesir 0.84 332 I/P Pp Pb 19 48 53.1 +0.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ZEDA Zerk-Bergama, USAK Uak-Merkez, USAK Manisa, etc.

ISCJB 25 19:48:37.9;0.7,39.35N;0.04;26.16E;0.05,h12km, Error ellipse: s-maj=6.3km s-min=5.2km az=135.4

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SIGR SIGRI, AYVA Ayvalik, BAYC CANAKKALE\_Bayr, etc.

NIED 25 19:57:00.39;1.0N;143.30E,h11km,Mw3.4 Best double couple: M=1.30000x10^14 NP1=130.00000, b66.00000, lambda=26.00000, NP2=231.00000, b66.00000, lambda=1.54,0.00000

ISCJB 25 19:57:41.9;1.8,39.14N;0.05;143.45E;0.08,h18km,11km,mb3.1/3, Error ellipse: s-maj=11.4km s-min=8.2km az=27.0

JMA 25 19:57:42.7;0.2,39.10N;143.32E,h9km,2km,M3.7 IDC 25 19:57:46.1;2.1,39.46N;142.65E,h0km,mb3.2/3, mb1 3.3/5,mb1mx3.2/35,mbtmp3.2/5,ML2.8/2, Error ellipse: s-maj=50.0km s-min=23.9km az=88.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MIYJ Miyakonagasawa, MIYJ Ofunato, OFUJ Ofunato, etc.

NNC 25 20:03:32.6;3.1,37.60N;71.37E,h0km,mb3.8,mpv3.4, SC-3D, Error ellipse: s-maj=23.6km s-min=22.1km az=152.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like SFK Sufi-Kurgan, MNAS Manas, KK31 Karatay Array, etc.

IDC 25 20:07:52.9;5.7,30.90S;178.64W,h0km,mb3.5/2, mb1 3.8/2,mb1mx3.5/31,mbtmp3.5/2, Error ellipse: s-maj=225.9km s-min=56.0km az=156.0, Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like ASAR Alice Springs, WRA Warramunga Arr, FINES FINESS Array B, etc.

MEX 25 20:10:31.7;0.9,16.33N;96.41W,h52km,14km,MD3.8, Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HUIG Huatulco, PANG Puerto Angel, OXBJ Oaxaca, etc.

NIED 25 20:12:00.39;6.0N;142.11E,h47km,Mw3.9 Best double couple: M=7.95000x10^14 NP1=206.00000, b25.00000, lambda=95.00000, NP2=20.00000, b65.00000, lambda=87.00000

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like HUIG Huatulco, PANG Puerto Angel, OXBJ Oaxaca, etc.

s-min=8.8km az=118.0, ISC 25 20:12:56.4;0.9,39.64N;0.04;142.14E;0.07,h49km,7km, n55,+c18.63,mb4.0/2Z,Near east coast of eastern Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like MIYJ Miyakonagasawa, JTH Tanohata, OFUJ Ofunato, etc.

comp=2.71mm,18.2s,baz=180,slow=44, ASRJ Ussuriysk Arr 8.83 304 P S 20 15 03.6 +2.3

JUNU Nakatsue 11.16 238 P S 20 15 33.9 +0.7

KRSR Korea Arr 11.24 329 P S 20 15 40.3 +4.6

KLRL comp=2.37mm,19.5s,baz=63,slow=35, KLR Kulldur 12.11 326 P S 20 15 48.3 +2.1

MA2 Magadan 20.69 120 P S 20 17 32.2 0.0

SEY Seymchan 24.13 11 P P 20 18 08.3 +0.9

SONM Songino Array 26.90 300 P T 20 18 32.1 -0.7

H11N2 WAKE ISLAND Hy 29.10 126 T T 20 49 33.4

H11N1 WAKE ISLAND Hy 29.11 126 T T 20 49 26.2

H11N3 WAKE ISLAND Hy 29.12 126 T T 20 49 27.7

H11S1 WAKE ISLAND Hy 29.90 128 T T 20 50 36.9

H11S3 WAKE ISLAND Hy 29.90 128 T T 20 50 31.3

H11S2 WAKE ISLAND Hy 29.92 128 T T 20 50 37.0

ZALV Zalesovo Beam 40.62 310 P P 20 20 30.7 -0.6

ZALV 2.9mm,0.4s,baz=91,slow=8.2,SNR=17, CMAR Chiang Mai Arr 42.75 253 P P 20 20 49.1 0.0

CMAR Makanchi Array 43.27 300 P P 20 20 52.6 -0.4

KDKA Kodiak Island 44.80 44 P S 20 21 04.8 -0.3

KURBS Kurchatov Arr 44.89 306 P P 20 21 05.2 -0.7

ILAR Eielson Array 47.00 34 P P 20 21 22.8 +0.4

JIRN Jiri 47.39 273 eP P 20 21 26.9 +0.6

RAMN Ramite 47.43 272 eP P 20 21 25.5 -1.0

GUN Gumba 47.51 274 eP P 20 21 27.3 +0.1

PKI Pulchoki 48.04 274 eP P 20 21 30.5 -0.8

PKIN Pulchoki 48.05 274 eP P 20 21 30.3 -1.0

DANN Dangsong 48.93 275 eP P 20 21 38.1 0.0

BVAR Borovoye Array 49.27 311 P P 20 21 39.5 -0.5

BVAR 0.9mm,0.5s,baz=67,slow=8.2,SNR=5.9, KOLN Koldanda 49.33 275 eP P 20 21 40.9 -0.2

PIYU Piutban 49.64 276 eP P 20 21 43.2 -0.2

AAK Ala-Archa 49.79 297 P P 20 21 43.8 -0.6

INK Inuvik 51.82 28 P S 20 21 60.0 +1.0

AKTO Aktyubinsk 57.38 311 P P 20 22 39.4 -0.2

WRA Warramunga Arr 59.72 188 P P 20 22 54.8 -1.2

GREY Alibek 63.09 298 P P 20 23 18.1 -0.8

ASAR Alice Springs 63.44 188 P P 20 23 20.4 -0.8

FINES FINESS Array B 66.78 332 P P 20 23 41.6 -0.8

KBZ Khabaz 69.65 310 P P 20 24 00.6 0.0

NB2 NORSAR Subarra 71.07 337 P P 20 24 14.4 -0.3

NOA NORSAR Array B 72.01 337 P P 20 24 13.8 -0.9

AKASA Main Array Be 72.59 322 P P 20 24 17.4 -0.9

PDAR Pinedale Array 75.45 46 P P 20 24 36.6 +1.1

GERES GERESS Array B 80.80 328 P P 20 25 03.8 -1.0

ISCJB 25 20:22:37.9;1.4,32.23S;0.09;178.17W;0.3,h24km, mb3.8/3, Error ellipse: s-maj=35.3km s-min=7.7km az=18.3

IDC 25 20:22:37.3;1.5,32.07S;178.02W,h0km,mb3.9/3, mb1 4.2/5,mb1mx3.9/34,mbtmp4.0/5,ML4.0/2, Error ellipse: s-maj=43.6km s-min=24.3km az=127.0

ISC 25 20:22:40.3;1.2,32.25S;0.1;178.17W;0.3,h24km,n8, n15,0.64/23, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like RAO Raoul Island, URZ Urewera, etc.

ASC 25 20:44:5.9,39.59N;28.10E,h7km,4km,ML2.5

ASC 25 19:48:36.3;0.9,39.51N;0.03;28.07E;0.03,h18km,6km, n12,+c0.64/23, Turkey

NIED 25 20:12:00.39;6.0N;142.11E,h47km,Mw3.9 Best double couple: M=7.95000x10^14 NP1=206.00000, b25.00000, lambda=95.00000, NP2=20.00000, b65.00000, lambda=87.00000

ISCJB 25 20:12:55.3;0.6,39.64N;0.03;142.15E;0.07,h46km,3km, mb3.9/21, Error ellipse: s-maj=9.1km s-min=4.5km az=11.5

JMA 25 20:12:56.4;0.9,39.64N;142.11E,h48km,1km,ML4.0 JMA Felt II J1

IDC 25 20:12:58.8;1.6,39.65N;142.07E,h73km,13km,mb3.6/21, mb1 3.7/26,mb1mx3.6/56,mbtmp3.9/26,MS2.7/3, Ms1 2.7/3,ms1mx2.4/38, Error ellipse: s-maj=16.1km

ASC 25 20:44:5.9,39.59N;28.10E,h7km,4km,ML2.5

ASC 25 19:48:36.3;0.9,39.51N;0.03;28.07E;0.03,h18km,6km, n12,+c0.64/23, Turkey

NIED 25 20:12:00.39;6.0N;142.11E,h47km,Mw3.9 Best double couple: M=7.95000x10^14 NP1=206.00000, b25.00000, lambda=95.00000, NP2=20.00000, b65.00000, lambda=87.00000

ISCJB 25 20:12:55.3;0.6,39.64N;0.03;142.15E;0.07,h46km,3km, mb3.9/21, Error ellipse: s-maj=9.1km s-min=4.5km az=11.5

JMA 25 20:12:56.4;0.9,39.64N;142.11E,h48km,1km,ML4.0 JMA Felt II J1

IDC 25 20:12:58.8;1.6,39.65N;142.07E,h73km,13km,mb3.6/21, mb1 3.7/26,mb1mx3.6/56,mbtmp3.9/26,MS2.7/3, Ms1 2.7/3,ms1mx2.4/38, Error ellipse: s-maj=16.1km

ASC 25 20:44:5.9,39.59N;28.10E,h7km,4km,ML2.5

ASC 25 19:48:36.3;0.9,39.51N;0.03;28.07E;0.03,h18km,6km, n12,+c0.64/23, Turkey

NIED 25 20:12:00.39;6.0N;142.11E,h47km,Mw3.9 Best double couple: M=7.95000x10^14 NP1=206.00000, b25.00000, lambda=95.00000, NP2=20.00000, b65.00000, lambda=87.00000

ISCJB 25 20:12:55.3;0.6,39.64N;0.03;142.15E;0.07,h46km,3km, mb3.9/21, Error ellipse: s-maj=9.1km s-min=4.5km az=11.5

JMA 25 20:12:56.4;0.9,39.64N;142.11E,h48km,1km,ML4.0 JMA Felt II J1

IDC 25 20:12:58.8;1.6,39.65N;142.07E,h73km,13km,mb3.6/21, mb1 3.7/26,mb1mx3.6/56,mbtmp3.9/26,MS2.7/3, Ms1 2.7/3,ms1mx2.4/38, Error ellipse: s-maj=16.1km

ASC 25 20:44:5.9,39.59N;28.10E,h7km,4km,ML2.5

ASC 25 19:48:36.3;0.9,39.51N;0.03;28.07E;0.03,h18km,6km, n12,+c0.64/23, Turkey

NIED 25 20:12:00.39;6.0N;142.11E,h47km,Mw3.9 Best double couple: M=7.95000x10^14 NP1=206.00000, b25.00000, lambda=95.00000, NP2=20.00000, b65.00000, lambda=87.00000

ISCJB 25 20:12:55.3;0.6,39.64N;0.03;142.15E;0.07,h46km,3km, mb3.9/21, Error ellipse: s-maj=9.1km s-min=4.5km az=11.5

JMA 25 20:12:56.4;0.9,39.64N;142.11E,h48km,1km,ML4.0 JMA Felt II J1

IDC 25 20:12:58.8;1.6,39.65N;142.07E,h73km,13km,mb3.6/21, mb1 3.7/26,mb1mx3.6/56,mbtmp3.9/26,MS2.7/3, Ms1 2.7/3,ms1mx2.4/38, Error ellipse: s-maj=16.1km

ASC 25 20:44:5.9,39.59N;28.10E,h7km,4km,ML2.5

25d 21h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, SONMG Songoing Array, MKAR Makanchi Array, etc.

2013 FEB

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like CFON 2.2nm,0.3s,SNR=6.9, SJAF Saint Jean de, EJON La Jonquera, etc.

1846

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like KDJ baz=58, KOTS Kotrybulak, MDOK Medeo, etc.







1849 2013 FEB 25d 21h

0.3nm,0.7s,baz=278,slow=2.6,SNR=2.8					
<b>MKAR Makanchi Array</b>	<b>93.47 317</b>	<b>eP</b>	<b>P</b>	<b>21 39 30.0</b>	<b>-0.6</b>
7.9nm,0.8s					
<b>MKAR Makanchi Array</b>	<b>93.47 317</b>	<b>eP</b>	<b>P</b>	<b>21 39 30.4</b>	<b>-0.9</b>
0.9nm,0.6s,baz=98,slow=5.5,SNR=8.5					
<b>MKAR</b>		<b>LR</b>	<b>LR</b>	<b>22 21 59.1</b>	
comp=Z,38nm,19.5s,baz=82,slow=36					
<b>ZALV Zalesovo Beam</b>	<b>93.48 324</b>	<b>P</b>	<b>P</b>	<b>21 39 29.7</b>	<b>-1.5</b>
0.5nm,0.5s,baz=132,slow=4.1,SNR=2.8					
<b>MAKZ Makanchi</b>	<b>93.68 317</b>	<b>eP</b>	<b>P</b>	<b>21 39 34.6</b>	<b>+2.3</b>
3.7nm,1.0s					
<b>YKA Yellowknife Ar</b>	<b>94.80 27</b>	<b>P</b>	<b>P</b>	<b>21 39 33.7</b>	<b>-3.3</b>
0.1nm,0.3s,baz=259,slow=5.0,SNR=3.8					
<b>NR1K Noril'sk</b>	<b>96.01 340</b>	<b>LR</b>	<b>LR</b>	<b>22 22 34.7</b>	
comp=Z,39nm,19.7s,baz=62,slow=35					
<b>ARCES ARCES Array B</b>	<b>116.21 346</b>	<b>PKP</b>	<b>PKIKP</b>	<b>21 44 56.3</b>	<b>-2.1</b>
15nm,1.2s,baz=96,slow=2.7,SNR=4.4					
<b>FINES FINESS Array B</b>	<b>121.66 339</b>	<b>PKP</b>	<b>PKPdf</b>	<b>21 45 07.5</b>	<b>-1.5</b>
3.6nm,1.1s,baz=64,slow=3.2,SNR=4.5					
<b>NOA NONSAR Array B</b>	<b>126.58 345</b>	<b>PKP</b>	<b>PKPdf</b>	<b>21 45 17.2</b>	<b>-1.4</b>
0.5nm,0.6s,baz=342,slow=1.9,SNR=3.8					
<b>VGYS Vyhne</b>	<b>133.48 330</b>	<b>ePKP</b>	<b>PKPdf</b>	<b>21 45 29.7</b>	<b>-2.3</b>
<b>GERES GERES Array B</b>	<b>135.60 334</b>	<b>PKP</b>	<b>PKPdf</b>	<b>21 45 36.1</b>	<b>0.0</b>
0.4nm,0.7s,baz=18,slow=1.2,SNR=2.9					
<b>KEST Kesra</b>	<b>147.34 323</b>	<b>PKPbc</b>	<b>PKPdf</b>	<b>21 45 59.3</b>	<b>+1.8</b>
6.5nm,1.0s,baz=87,slow=2.6,SNR=3.3					
<b>ESDC Soneca Array</b>	<b>149.94 344</b>	<b>PKPbc</b>	<b>PKPdf</b>	<b>21 46 05.0</b>	<b>+3.5</b>
0.6nm,0.7s,baz=23,slow=3.0,SNR=4.5					
<b>TORD Torodi Ar. Bea</b>	<b>164.32 280</b>	<b>PKP</b>	<b>PKPdf</b>	<b>21 46 18.8</b>	<b>-1.4</b>
0.5nm,0.8s,baz=64,slow=0.4,SNR=3.3					
<b>TORD</b>		<b>PKPab</b>	<b>PKPab</b>	<b>21 47 14.1</b>	<b>-0.4</b>
0.9nm,1.0s,baz=73,slow=5.4,SNR=3.2					

SOME 25 21:27:52.9, 42:30N:75:90E, h15km  
 KRNET 25 21:27:53.0, 41.42:32N:75:86E, h18km, mb2.7  
 NNC 25 21:27:52.7, 41.42:32N:75:86E, h0km, mb3.1,  
 mpv3=0, Error ellipse: s-maj=3.2km s-min=1.6km az=162.0  
 KNET 25 21:27:52.7, 42.42:32N:75:85E, h0km, m11.9, Error  
 ellipse: s-maj=2.2km s-min=1.5km az=19.0  
 ISC 25 21:27:53.1, 0.9, 42:32N:0.02:75:84E, 0.01, h9km, 8km,  
 n87, c1930/153,53C-18D, Lake Issyk-Kul region

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res
Code	Station Name	Δ°	AZ°	Op	ISC	h m s	ISC
BOOM	Boomsokye usch	0.19	25	↑P	P	21 27 53.3	+0.2
BOOM	baz=20			↑S	Sg	21 28 00.3	+0.5
ULHL	Ulahol	0.31	104	P	Pg	21 27 58.8	-0.6
ULHL	330nm,0.3s			↑S	Sg	21 28 03.0	-0.6
ULHL	Ulahol	0.31	104	↑P	Pg	21 27 58.6	-0.8
ULHL	baz=4.0			↑S	Sg	21 28 02.7	-0.8
KZA	Kyzart	0.50	241	↑P	Pg	21 28 03.4	+0.6
KZA	64nm,0.3s			↑S	Sg	21 28 10.8	+1.4
KZA	Kyzart	0.50	241	↑P	Pg	21 28 03.2	+0.4
KZA	baz=42			↑S	Sg	21 28 10.6	+1.1
TKM2	Tokmak 2	0.62	344	↑P	Pg	21 28 05.5	+0.3
TKM2	328nm,0.1s			↑S	Sb	21 28 14.3	-1.0
TKM2	Tokmak 2	0.62	344	↑P	Pg	21 28 05.4	+0.1
TKM2	4.5nm,0.2s			↑S	Sb	21 28 14.4	-0.8
TKM2	Tokmak 2	0.62	344	↑P	Pg	21 28 05.3	+0.1
TKM2	baz=42			↑S	Sb	21 28 14.2	-1.0
KST	Kastek	0.73	7	P	Pg	21 28 07.1	0.0
KST	14nm,0.1s			S	Sb	21 28 17.6	-0.5
KST	282nm,0.3s			eP	Pg	21 28 07.1	0.0
KST	Kastek	0.73	7	eP	Pg	21 28 07.1	0.0
KST	baz=6.0			eS	Sb	21 28 17.5	-0.6
KST	Kastek	0.73	7	eP	Pg	21 28 07.1	0.0
KST	14nm,0.1s			eS	Sb	21 28 17.5	-0.6
KST	282nm,0.3s			eS	Sb	21 28 17.5	-0.6
KBK	Karagaybulak	0.74	297	P	Pg	21 28 08.0	-0.2
KBK	9.1nm,0.2s,SNR=26			↑S	Sb	21 28 18.7	+0.3
KBK	Karagaybulak	0.74	297	↑P	Pg	21 28 07.7	+0.4
KBK	baz=97			↑S	Sb	21 28 18.3	-0.1
IZV	Izvestkoviy	0.92	39	P	Pb	21 28 10.4	-0.8
IZV	Izvestkoviy	0.92	39	S	Pg	21 28 23.1	+0.4
IZV	Izvestkoviy	0.92	39	eP	Pg	21 28 10.4	-0.8
IZV	baz=38			eS	Sg	21 28 23.1	+0.4
IZV	Izvestkoviy	0.92	39	eP	Pb	21 28 10.4	-0.8
IZV	3.8nm,0.1s			eS	Sg	21 28 23.1	+0.4
MTBS	Maitube	0.92	28	P	Pb	21 28 10.4	-0.8
MTBS	8.1nm,0.2s			S	Sg	21 28 23.0	+0.3
MTBS	Maitube	0.92	28	↑P	Pb	21 28 10.4	-0.8
MTBS	baz=27			↑S	Sg	21 28 23.0	+0.3
MTBS	Maitube	0.92	28	↑P	Pb	21 28 10.4	-0.8
MTBS	8.1nm,0.2s			↑S	Sg	21 28 23.0	+0.3
DGS	Degeres	0.92	357	P	Pb	21 28 08.6	-2.7
DGS	5.1nm,0.1s			S	Sb	21 28 21.3	-2.4
DGS	74nm,0.2s			eP	Pb	21 28 09.1	-2.2
DGS	Degeres	0.92	357	eS	Pg	21 28 20.9	-2.8
DGS	baz=56			eP	Pb	21 28 09.1	-2.2
DGS	5.1nm,0.1s			eS	Sb	21 28 20.9	-2.8
UCH	Uchtor	0.98	265	↑P	Pb	21 28 12.0	-0.5
UCH	2.8nm,0.3s			↑P	Pb	21 28 11.4	-1.2
UCH	Uchtor	0.98	265	↑P	Sb	21 28 25.0	-0.8
UCH	baz=65			↑S	Sb	21 28 25.0	-0.8
KDJ	Kajisay	1.02	100	↑P	Pn	21 28 12.4	-1.3
KDJ	baz=0.0			↑S	Sg	21 28 25.7	-0.2
AAK	Ala-Archa	1.04	288	↑P	Pb	21 28 13.1	-0.3
AAK	5.0nm,0.3s,SNR=5.5			↑S	Sg	21 28 27.2	+0.6
AAK	7.7nm,0.2s			↑P	Pb	21 28 13.1	-0.3
AAK	Ala-Archa	1.04	288	↑P	Pb	21 28 13.1	-0.3
AAK	1.4nm,0.5s			↑S	Sg	21 28 27.2	+0.6
AAK	8.1nm,0.5s			↑S	Sg	21 28 27.2	+0.6
AAK	Ala-Archa	1.04	288	↑P	Pb	21 28 13.0	-0.3
AAK	baz=88			↑S	Sb	21 28 26.9	-0.2
CHMS	Chumysh	1.05	311	↑P	Pb	21 28 13.1	-0.2
CHMS	2.3nm,0.1s			↑P	Pb	21 28 12.8	-0.6
CHMS	Chumysh	1.05	311	↑P	Pb	21 28 12.8	-0.6
CHMS	baz=10.0			↑S	Sb	21 28 26.8	-0.4
ARLS	Aral	1.22	248	↑P	Pn	21 28 15.7	-0.7
ARLS	baz=49			↑S	Sb	21 28 31.9	-0.3
ARLS	Aral	1.22	248	↑P	Pg	21 28 15.7	-0.7
ARLS	baz=49			↑S	Sb	21 28 31.9	-0.3
KNDC	Almaty	1.22	43	P	Pg	21 28 16.1	-0.5
KNDC	49nm,0.5s			↑S	Sg	21 28 32.6	+0.1
MDOK	Medeo	1.23	46	↑P	Pg	21 28 15.7	-0.8

2.9nm,0.4s			↑S	Sg	21 28 32.0	-0.6
<b>MDOK</b>						
21nm,0.6s						
<b>KOTS Kotrybulak</b>	<b>1.31 45</b>	<b>P</b>	<b>Pb</b>	<b>21 28 17.4</b>	<b>-0.5</b>	
12nm,0.2s						
<b>KOTS</b>		<b>S</b>	<b>Pb</b>	<b>21 28 35.0</b>	<b>-0.3</b>	
55nm,0.4s						
<b>KOTS Kotrybulak</b>	<b>1.31 45</b>	<b>eP</b>	<b>Pb</b>	<b>21 28 17.4</b>	<b>-0.5</b>	
baz=45						
<b>KOTS</b>		<b>eS</b>	<b>Sg</b>	<b>21 28 35.0</b>	<b>-0.3</b>	
<b>KOTS Kotrybulak</b>	<b>1.31 45</b>	<b>eP</b>	<b>Pb</b>	<b>21 28 17.4</b>	<b>-0.5</b>	
12nm,0.2s						
<b>KOTS</b>		<b>eS</b>	<b>Sg</b>	<b>21 28 35.0</b>	<b>-0.3</b>	
55nm,0.4s						
<b>USP Oспенovka</b>	<b>1.36 314</b>	<b>↑P</b>	<b>Pb</b>	<b>21 28 18.7</b>	<b>0.0</b>	
4.0nm,0.2s,SNR=13						
<b>USP</b>		<b>↑P</b>	<b>Pb</b>	<b>21 28 18.3</b>	<b>-0.5</b>	
baz=14						
<b>USP</b>		<b>↑S</b>	<b>Sg</b>	<b>21 28 37.1</b>	<b>+0.2</b>	
baz=1.4						
<b>SGDS Sogindy</b>	<b>1.44 322</b>	<b>P</b>	<b>Pb</b>	<b>21 28 19.9</b>	<b>-0.1</b>	
5.4nm,0.2s						
<b>SGDS</b>		<b>S</b>	<b>Pb</b>	<b>21 28 39.1</b>	<b>-0.1</b>	
12nm,0.1s						
<b>KTBS Karatobe</b>	<b>1.52 24</b>	<b>P</b>	<b>Pb</b>	<b>21 28 21.3</b>	<b>-0.2</b>	
9.3nm,0.2s						
<b>KTBS</b>		<b>S</b>	<b>Sg</b>	<b>21 28 41.1</b>	<b>-0.9</b>	
52nm,0.3s						
<b>KTBS Karatobe</b>	<b>1.52 24</b>	<b>eP</b>	<b>Pb</b>	<b>21 28 21.3</b>	<b>-0.2</b>	
baz=18						
<b>KTBS</b>		<b>eS</b>	<b>Pb</b>	<b>21 28 41.2</b>	<b>-0.9</b>	
baz=18						
<b>KTBS Karatobe</b>	<b>1.52 24</b>	<b>eP</b>	<b>Pb</b>	<b>21 28 21.3</b>	<b>-0.2</b>	
9.3nm,0.2s						
<b>KTBS</b>		<b>eS</b>	<b>Sg</b>	<b>21 28 41.1</b>	<b>-0.9</b>	
52nm,0.3s						
<b>EKS2 Erkin-Say</b>	<b>1.56 283</b>	<b>↑P</b>	<b>Pg</b>	<b>21 28 23.1</b>	<b>+0.1</b>	
2.8nm,0.2s,SNR=7.5						
<b>TARG Taragay, Kyrgy</b>	<b>1.58 111</b>	<b>↑P</b>	<b>Pb</b>	<b>21 28 21.3</b>	<b>-1.4</b>	
baz=11						
<b>TARG</b>		<b>↑S</b>	<b>Sb</b>	<b>21 28 41.9</b>	<b>-1.1</b>	
baz=11						
<b>AML Almayashu</b>	<b>1.60 264</b>	<b>↑P</b>	<b>Pb</b>	<b>21 28 23.4</b>	<b>+0.4</b>	
2.8nm,0.2s,SNR=9.6						
<b>AML Almayashu</b>	<b>1.60 264</b>	<b>↑P</b>	<b>Pb</b>	<b>21 28 23.2</b>	<b>+0.2</b>	
baz=64						
<b>AML</b>		<b>↑S</b>	<b>Pb</b>	<b>21 28 44.3</b>	<b>-0.3</b>	
baz=64						
<b>KUU Kurly</b>	<b>1.61 13</b>	<b>P</b>	<b>Pb</b>	<b>21 28 23.1</b>	<b>+0.1</b>	
5.8nm,0.2s						
<b>KUU</b>		<b>S</b>	<b>Sg</b>	<b>21 28 44.1</b>	<b>-0.8</b>	
26nm,0.3s						
<b>KUU Kurly</b>	<b>1.61 13</b>	<b>↑P</b>	<b>Pb</b>	<b>21 28 23.1</b>	<b>+0.1</b>	
baz=13						
<b>KUU</b>		<b>↑S</b>	<b>Sg</b>	<b>21 28 44.2</b>	<b>-0.8</b>	
baz=13						
<b>KUU Kurly</b>	<b>1.61 13</b>	<b>↑P</b>	<b>Pb</b>	<b>21 28 23.1</b>	<b>+0.1</b>	
5.8nm,0.2s						
<b>KUU</b>		<b>↑S</b>	<b>Pb</b>	<b>21 28 44.1</b>	<b>-0.8</b>	
26nm,0.3s						
<b>CHKK Chushkaly</b>	<b>1.75 28</b>	<b>P</b>	<b>Pb</b>	<b>21 28 25.2</b>	<b>-0.2</b>	
4.2nm,0.3s						
<b>CHKK</b>		<b>S</b>	<b>Sg</b>	<b>21 28 48.4</b>	<b>-0.9</b>	
71nm,0.2s						
<b>CHKK Chushkaly</b>	<b>1.75 28</b>	<b>eP</b>	<b>Pb</b>	<b>21 28 25.2</b>	<b>-0.2</b>	
baz=28						
<b>CHKK</b>		<b>eS</b>	<b>Pb</b>	<b>21 28 48.5</b>	<b>-0.9</b>	
baz=28						
<b>CHKK Chushkaly</b>	<b>1.75 28</b>	<b>eP</b>	<b>Pb</b>	<b>21 28 25.2</b>	<b>-0.2</b>	
4.2nm,0.3s						
<b>CHKK</b>		<b>eS</b>	<b>Sg</b>	<b>21 28 48.4</b>	<b>-0.9</b>	
71nm,0.2s						
<b>PRZ Przheval'sk</b>	<b>1.91 84</b>	<b>↑P</b>	<b>Pb</b>	<b>21 28 27.0</b>	<b>-1.1</b>	
baz=84						
<b>PRZ</b>		<b>↑S</b>	<b>Pb</b>	<b></b>		



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Saucer Basin, Paradox Valley, Butcher Ranch, etc.

ISN 25 22:55:48.1, 1.35, 81N45:85E, h9km, 12km, ML3.4
AZER 25 22:55:49.4, 2.3, 35.25N46:09E, h15km, m3.5/6, Error ellipse: s-maj=26.4km s-min=17.3km az=120.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kiryuk, Lien, Sanandaj, Ghaleghazi, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Doab, Kafar-mosallan, Marand, Ordubad, etc.

JMA 25 23:00:58.8, 0.3, 39.94N144:89E, h52km, M3.5, Off east coast of Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Tanohata, Miyakonagasawa, Erimo, etc.

KRNET 25 23:05:30.1, 0.1, 40.26N76:73E, mb2.7
SOME 25 23:05:32.9, 40.23N76:58E, h20km
NNC 25 23:05:32.0, 1.8, 40.29N76:60E, h0km, 12km, mb3.2, mpv2.9, Error ellipse: s-maj=13.8km s-min=6.3km az=139.0

ISC 25 23:05:29.3, 1.5, 40.24N0:06:76.7Xingzi, h10km, n26, c1914/11, 15C-13D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Taragay, Kiryuk, Kajsay, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SATY, UZB, MRKS, KUU, PDKG, MNAS, etc.

NIED 25 23:19:00, 36.90N:139.40E, h5km, Mw3.5 Best double couple: Mo1.72000x1014 NP1:ps266.00000, s80.00000, lambda-177.00000. NP2:ps176.00000, s87.00000, lambda-10.00000

JMA 25 23:19:05.2, 36.89N:139.41E, h4km, 1km, M3.3, 3C-2D Broadband fault plane solution: P waves. NP1: ps292.00000, s70.00000, lambda-150.00000. NP2: ps191.00000, s62.00000, lambda-23.00000. Principal axes: T P1gs.0000; Azm7.0000; N P1gs5.0000; Azm323.0000; P P1gs5.0000; Azm153.0000; Eastern Honshu

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Katashina, Shiba, Ashikaga, etc.

ISC/JB 25 23:32:22.8, 0.4, 39.14N:0:03:29.02E, h9km, 9km Error ellipse: s-maj=4.8km s-min=3.8km az=158.7 DDA 25 23:32:22.2, 39.17N:29.04E, h7km, 2km, ML2.7 ISK 25 23:32:22.4, 0.9, 39.17N:29.05E, h7km, ML1.9/7

ISC 25 23:32:22.5, 0.9, 39.14N:0:03:29.02E, h12km, 6km, az=17.48/47.27, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Simav-Kutahya, Saphane-Kutahya, Demirci, etc.

KHAL Karahalli 0.85 154 i P Pn 23 33 40.2 -0.2 KHAL Khalkhal 1.07 255 i S Sg 23 33 50.5 -0.2 AKHS Akhisar 0.97 255 P Pn 23 33 41.4 +0.1 BALB Balikesir 1.02 300 P G 23 33 29.3 +0.3 STEP BALIKESIR\_Sava 1.04 284 i P Pn 23 33 43.1 +0.2

IDC 25 23:37:57.7, 0.4, 48.46S:87:25W, h0km, mb4.9/18, mb1 4.9/20, mb1mx4.9/29, mbtmp4.8/20, ML3.7/2, MS4.6/25, Ms1 4.6/25, ms1mx4.5/30, Error ellipse: s-maj=17.5km s-min=12.8km az=118.0

MOS 25 23:37:58.6, 0.9, 48.32S:87:15W, h10km, mb5.6/18, MS4.7/14, Error ellipse: s-maj=15.8km s-min=8.0km az=85.2

GCMT 25 23:37:59.6, 0.1, 48.48S:0:01:87.32W, h12km, Mw5.2/117, Moment Tensor Solution. s73.c109; s117.c181; Duration: 1s0 Moment tensor: Scale 10^17 Nm; Mo=0.73e.01; Mo=0.05e.01; Mo=0.68e.01; Mo=0.09e.03; Mo=0.13e.01; Mo=0.27e.03; Best double couple: Mo=77200x10^17 NP1:ps346.00000, s56.00000, lambda.00000. NP2:ps171.00000, s34.00000, lambda.00000. Principal axes: T 0.7820, P1g.0000; Azm246.0000; N 0.0200, P1g.0000; Azm348.0000; Azm782.0000; P1g11.0000; Azm78.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

NEIC 25 23:37:59.6, 0.2, 48.38S:87:12W, h10km, mb5.5/49, MS4.8/46 Error ellipse: s-maj=5.1km s-min=5.0km az=82.0

BUI 25 23:38:00.3, 48.30S:86:90W, h15km, mb5.4/13, Ms5.5/13, Ms7.5/2/11

ISC/JB 25 23:38:05.4, 1.7, 48.34S:0:04:86.91W, h6km, 14km, mb5.2/64, Error ellipse: s-maj=8.7km s-min=6.6km az=13.0

ISC 25 23:37:59.1, 2.0, 48.36S:0:06:87.22W, h9km, 11km, n922, r1805/901, mb5.4/63, MS4.9/12, 3D, Southern Pacific Ocean

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Cerro Castillo, Punta Arenas, Ushuaia, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like PALMER STATION, TORQUIST, LAS CAMPANAS, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like VOLCAN GALERAS, FLORENCE, RIOLABLANCO, etc.

Table with columns for call sign, name, frequency, power, and other technical details. Includes entries like LAKEVIEW RETRE, COLUMBIANA, WILLIAMSON, etc.

CPCT	Cooper Cave	83.47	2	eP	P	23 50 26.4	-0.3
V50A	Pikeville	83.68	2	P	P	23 50 27.4	-0.3
	baz=181						
V48A	Smith Brothers	83.73	0	P	P	23 50 27.3	-0.7
	baz=180						
V53A	Saluda	83.75	4	eP	P	23 50 27.6	-0.6
V53A	Saluda	83.75	4	P	P	23 50 27.0	-1.2
	baz=183						
V49A	McMinnville	83.76	1	P	P	23 50 27.3	-0.9
	baz=179						
V46A	Holladay	83.79	359	P	P	23 50 27.2	-1.1
	baz=179						
V47A	Nunnelly	83.82	360	P	P	23 50 27.5	-0.9
	baz=180						
V51A	Loudon	83.83	2	eP	P	23 50 28.2	-0.3
V51A	Loudon	83.83	2	P	P	23 50 28.4	-0.1
	baz=182						
AMTX	Amarillo	83.88	348	eP	P	23 50 29.6	+0.7
	comp=Z,55nm,1.0s						
AMTX	Amarillo	83.88	348	P	P	23 50 29.7	+0.8
	baz=170						
V52A	Sevierville	83.89	3	eP	P	23 50 28.3	-0.5
V52A	Sevierville	83.89	3	P	P	23 50 28.2	-0.6
	baz=182						
V54A	Nebo	83.90	4	P	P	23 50 28.4	-0.5
	baz=183						
BNM	Barren Site	83.96	344	eP	P	23 50 31.0	+1.5
V55A	Taylorsville	84.01	5	P	P	23 50 28.5	-1.0
	baz=182						
LENM	Lemitar	84.04	344	eP	P	23 50 31.7	+1.9
WVT	Waverly	84.12	360	eP	P	23 50 29.5	-0.5
WVT	Waverly	84.12	360	eP	P	23 50 29.5	-0.5
WVT	Waverly	84.12	360	P	P	23 50 29.0	-0.9
	baz=180						
TUL1	Leonard	84.25	353	eP	P	23 50 31.1	+0.5
TUL1	Leonard	84.25	353	P	P	23 50 30.5	-0.2
	baz=174						
LAZ	Ladron	84.30	344	eP	P	23 50 32.6	+1.4
U45A	Rockin P Farm,	84.35	359	P	P	23 50 30.2	-0.9
	baz=179						
U46A	Springville	84.35	359	P	P	23 50 29.8	-1.3
	baz=179						
U43A	Rector	84.41	357	P	P	23 50 30.9	-0.5
	baz=178						
U42A	Reviden	84.42	357	P	P	23 50 30.5	-1.0
	baz=177						
U51A	La Follette	84.42	3	P	P	23 50 30.6	-0.9
	baz=182						
U47A	Clarksville	84.43	360	P	P	23 50 30.5	-1.0
	baz=180						
U50A	Jamestown	84.43	2	P	P	23 50 30.6	-1.0
	baz=182						
U41A	Viola	84.44	356	P	P	23 50 31.0	-0.5
	baz=177						
U52A	Thorn Hill	84.45	3	P	P	23 50 30.8	-0.9
	baz=182						
U53A	Fall Branch	84.45	4	P	P	23 50 30.6	-1.1
	baz=183						
HHAR	Hobbs	84.48	355	eP	P	23 50 31.8	0.0
U40A	Yellville	84.49	355	P	P	23 50 31.3	-0.6
	baz=176						
U48A	Cassie Pea, Po	84.50	1	P	P	23 50 31.4	-0.5
	baz=180						
U49A	Red Boiling Sp	84.51	1	P	P	23 50 30.9	-1.0
	baz=181						
SACV	Santiago Islan	84.54	60	PFAKE	LR	23 50 40.0	+7.4
SACV							
	comp=Z,305nm,19.0s						
TZTN	Tazewell	84.59	3	eP	P	23 50 31.9	-0.5
	comp=Z,57nm,1.4s						
TZTN	Tazewell	84.59	3	P	P	23 50 31.9	-0.5
	baz=182						
U55A	T2, Sparta	84.67	5	P	P	23 50 32.0	-0.8
	baz=180						
IKP	In-Ko-Pah, Jac	84.69	336	P	P	23 50 34.0	+1.0
	baz=161						
ANMO	Albuquerque	84.70	344	eP	P	23 50 34.1	+0.9
	comp=Z,30nm,1.1s						
ANMO	Albuquerque	84.70	344	eP	P	23 50 34.1	+0.9
	comp=Z,29nm,1.1s						
ANMO	Albuquerque	84.70	344	P	P	23 50 34.2	+1.0
	baz=167						
GLA	Glamis	84.73	337	P	P	23 50 33.9	+0.7
	baz=162						
BAR	Barrett	84.88	335	eP	P	23 50 35.1	+1.2
SWSC	Sam W. Stewart	84.89	336	P	P	23 50 34.7	+0.8
	baz=161						
T47A	Sharon Grove	84.97	0	P	P	23 50 33.8	-0.5
T47A	Sharon Grove	84.97	0	P	P	23 50 33.2	-1.1
	baz=180						
X18A	Snowflake	84.99	341	eP	P	23 50 36.5	+1.9
T51A	Gray	85.00	3	P	P	23 50 33.5	-1.0
	baz=182						
MONP2	Monument Peak	85.01	336	P	P	23 50 36.1	+1.3
	baz=161						
T45A	Paducah	85.02	359	P	P	23 50 33.8	-0.7
	baz=179						
T46A	Princeton	85.03	359	P	P	23 50 33.8	-0.8
	baz=180						
T50A	Nancy	85.03	2	P	P	23 50 33.8	-0.8
	baz=182						
T53A	Wise	85.07	4	P	P	23 50 34.0	-0.8
	baz=183						
T42A	Van Buren	85.09	357	eP	P	23 50 33.7	-1.1
T42A	Van Buren	85.09	357	P	P	23 50 33.9	-0.9
	baz=177						
T48A	Bowling Green	85.10	1	P	P	23 50 33.9	-1.0
	baz=180						
T49A	Edmonton	85.11	1	eP	P	23 50 34.2	-0.7
T49A	Edmonton	85.11	1	P	P	23 50 34.1	-0.9
	baz=181						
T43A	Greenville	85.11	358	P	P	23 50 33.7	-1.3
	baz=178						
T41A	Mountain View	85.13	356	P	P	23 50 34.2	-0.8
	baz=177						
T52A	Hallie	85.18	3	P	P	23 50 34.5	-0.8
	baz=183						
109C	Camp Elliot, M	85.19	335	P	P	23 50 36.3	+0.9
	baz=161						
T54A	Tazewell	85.20	5	P	P	23 50 34.5	-1.0
	baz=184						
TSUM	Tsumeb	85.27	114	PFAKE	LR	23 50 50.0	+1.3
TSUM							
	comp=Z,478nm,20.0s						
Y12C	Blythe	85.31	337	eP	P	23 50 37.6	+1.6
Y12C	Blythe	85.31	337	P	P	23 50 37.2	+1.2
	baz=162						
BLA	Blacksburg	85.41	5	eP	P	23 50 36.5	0.0
BLA	Blacksburg	85.41	5	eP	P	23 50 36.5	0.0
BLA	Blacksburg	85.41	5	P	P	23 50 35.4	-1.1
	baz=184						
BC3	Big Chuckawall	85.47	337	P	P	23 50 37.9	+1.0
	baz=162						
W18A	Petrified Fore	85.51	342	eP	P	23 50 38.2	+1.0
W18A	Petrified Fore	85.51	342	P	P	23 50 38.2	+1.0
	baz=165						
S47A	Hartford	85.58	0	P	P	23 50 36.3	-1.0
	baz=180						
S43A	Fulton Ridge,	85.59	358	P	P	23 50 36.4	-1.0
	baz=178						
S48A	Wiedeman Farm,	85.65	1	P	P	23 50 36.2	-1.4
	baz=181						
S41A	Jillco Farms,	85.67	356	P	P	23 50 37.6	-0.2
	baz=177						
S45A	Carrier Mills	85.67	359	P	P	23 50 36.4	-1.3
	baz=179						
S46A	Don Dixon Farm	85.67	360	P	P	23 50 36.6	-1.1
	baz=180						
S51A	Beattyville	85.69	3	eP	P	23 50 36.9	-0.9
S51A	Beattyville	85.69	3	P	P	23 50 36.9	-0.9
	baz=182						
TPFO	Pinon Flats	85.69	336	P	P	23 50 39.8	+1.7
	baz=160						
SC12	San Clemente I	85.69	334	P	P	23 50 39.8	+1.9
	baz=160						
XPFO	Pion Flat	85.69	336	eP	P	23 50 39.0	+0.9
PFO	Pinyon Flats O	85.69	336	eP	P	23 50 38.9	+0.8
	comp=Z,23nm,1.1s						
PFO	Pinyon Flats O	85.69	336	P	P	23 50 39.2	+1.1
	baz=161						
S44A	Carbondale	85.70	358	P	P	23 50 36.8	-1.0
	baz=179						
S50A	Richmond	85.70	2	P	P	23 50 36.5	-1.4
	baz=182						
SIUC	Southern Illin	85.72	358	eP	P	23 50 37.6	-0.3
PDMCI	Parker Dam,Lak	85.74	338	P	P	23 50 39.1	+0.9

S49A	Springfield	85.79	2	P	P	23 50 37.0	-1.3
	baz=161						
S53A	Williamson	85.79	4	P	P	23 50 37.4	-0.9
	baz=180						
S42A	Caledonia	85.81	357	P	P	23 50 37.4	-1.0
	baz=178						
IRM	Iron Mountain	85.86	337	P	P	23 50 40.0	+1.2
	baz=160						
MURC	Murrieta	85.89	335	P	P	23 50 39.8	+0.9
	baz=160						
BELC	Belle Mtn. Jos	85.94	366	P	P	23 50 40.4	+1.1
	baz=161						
USIN	University of	85.95	330	eP	P	23 50 38.5	-0.6
S55A	Lewisburg	85.97	5	P	P	23 50 38.2	-1.0
	baz=184						
FVM	French Village	86.02	357	eP	P	23 50 38.6	-0.9
FVM	French Village	86.02	357	eP	P	23 50 38.6	-0.9
CIS	Catalina Islan	86.05	334	P	P	23 50 40.4	+0.6
	baz=160						
CCM	Cathedral Cave	86.11	357	eP	P	23 50 39.1	-0.8
	comp=Z,286nm,1.0s						
CCM	Cathedral Cave	86.11	357	P	P	23 50 39.3	-0.6
	baz=173						
R46A	Gibson Southern	86.20	360	P	P	23 50 39.2	-1.1
	baz=180						
WCI	Wyandotte Cave	86.22	1	eP	P	23 50 39.0	-1.4
	comp=Z,163nm,1.0s						
WCI	Wyandotte Cave	86.22	1	eP	P	23 50 39.1	-1.4
	comp=Z,163nm,1.0s						
WCI	Wyandotte Cave	86.22	1	P	P	23 50 39.0	-1.4
	comp=Z,163nm,1.0s						
WUAC	Wupatki	86.25	340	eP	P	23 50 41.9	+1.0
	comp=Z,21nm,1.1s						
WUAC	Wupatki	86.25	340	P	P	23 50 41.6	+0.8
	baz=164						
R44A	Waltonville	86.25	359	P	P	23 50 39.6	-1.0
	baz=179						
R45A	Skylar, Fairfi	86.28	359	P	P	23 50 39.7	-1.0
	baz=179						
R47A	Woody Knot Far	86.28	1	P	P	23 50 39.3	-1.



25d 23h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like M52A Chesterland, PSUT Pine Spring, KIC Kusan Boka, etc.

2013 FEB

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like HWUT Hardware Ranch, ACCN Adirondack Com, PAHR Pah Rah Range, etc.

1854

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like WRA Warramunga Arr, MBAR Mbarara, KMBO Kilima Mbogo, etc.

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like H11S2 WAKE ISLAND, H11S3 WAKE ISLAND, H11S1 WAKE ISLAND, etc.





1857

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like TKM2 Tokmak 2, TARG Taragay, UZB Uzynbulak, ARXS Arhary, SHLS Shalkode, PDGK Podgornoye, KZAR Kyzart, KZA Kyzart, KBK Karagaybulak, NRN Naryn, CHMS Chumysh, USP Osenovka, AAK Ala-Archa, DJR Jarkent, ARLS Aral, EKS2 Erkin-Say, MRKS Merke, MNAS Manas, SFK Sufi-Kurgan, KK31 Karatay Array, and MK31 Makanchi Array.

SOME 26 01:40:45.9, 42.55N, 79.70E, h20km
KRNET 26 01:40:46.3, 0.1, 42.61N, 79.64E, h14km, mb3.9
BUJ 26 01:40:46.0, 42.69N, 79.62E, h9km, ML3.2/9
NNC 26 01:40:46.1, 1.0, 42.62N, 79.66E, h0km, mb4.2, mpv3.9,
Error ellipse: s-maj=6.8km s-min=3.8km az=126.0
ISC 26 01:40:50.9, 1.3, 42.76N, 0.04, 79.70E, 0.04, h35km, n77,
c283/112, 25C-23D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like SHLS Shalkode, PDGK Podgornoye, UZB Uzynbulak, PRZ Przhval'sk, SATY Saty, KURS Kuram, and DJR Jarkent.

2013 FEB

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like DJR Jarkent, MNBS Baschi, KOTS Kotyrbulak, MDOK Medeo, AAA Alma-Ata, CHKK Chusnkaly, IZV Izvestkoviy, KTBS Karatobe, MTBS Matube, TDK Taldyqorghan, ULHL Ulhal, KUU Kurty, KST Kastek, BOOM Boomsokoye usch, DGS Degeres, TKM2 Tokmak 2, PRZ Przhval'sk, SATY Saty, KURS Kuram, and CHMS Chumysh.

26d 1h

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like CHMS Chumysh, AAK Ala-Archa, USP Osenovka, UCH Uchtor, ARLS Aral, EKS2 Erkin-Say, MAKZ Makanchi, MK31 Makanchi Array, AML Almayashu, ARSB Arslanbob, MNAS Manas, SFK Sufi-Kurgan, WMQ Urumqi, KK31 Karatay Array, OTUK Ortayu, KURBB Kurchatov Arra, and KURK Kurchatov.

IDC 26 01:41:46.0, 2.1, 19.00N, 39.12E, h0km, mb3.6/8,
mb1.3/7.8, mb1mx3.4/49, mbtmp3.6/8, MS3.5/12,
Ms1 3.5/12, ms1mx3.2/35, Error ellipse: s-maj=51.8km
s-min=23.4km az=165.0
ISCJB 26 01:41:46.2, 0.8, 19.23N, 0.08, 39.27E, 0.06, h10km,
MS3.6/7, MS3.5/10, Error ellipse: s-maj=12.9km
s-min=6.3km az=32.5
SGS 26 01:41:50.19, 2.7N, 39.32E, h25km, ML3.2
ISCN 26 01:41:47.0, 0.9, 19.24N, 0.08, 39.27E, 0.08, h10km, n31,
c187/22, mb3.8/7, MS3.4/10, Red Sea

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like LTHS AI Lith, QNF01 AI Qunfudhah, QNF02 AI Qunfudhah, FRAS Faraa, AMGES AMGES, BAHS BAHS, ENMS Enms, DRBS Ad Darb, HAJR Hajar, TATS Tathlith, KNGHS KNGHS, RHTOS RHTOS, RHT07 RHT07, MMAI Mount Meron Ar, WSAR Wadi Sarin, KMBO Kilima Mbogo, BRTR Keskin Array B, GNI Garmi, KBZ Khabaz, GEYT Alibec, GERES GERES Array B, TORD Torodi Ar, BVAR Borovoye Array, ESDC Sonseca Array, MKAR Makanchi Array, MKAR Makanchi Array, DBIC Dimboko, ZALV Zalesovo Beam, ZALV Zalesovo Beam, NRIK Noril'sk, SOMN Songiro Array, SFJD Kangerlussuaq, and KSRS Korea Array.

DJA 26 01:47:16.7, 1.1, 3.3N, 3.9E, h13km, 6km, M4.6/14,
mb5.0/5, mb5.2/6, MLV4.5/14, Mw(m)B4.6/6
ISCJB 26 01:47:17.7, 0.3, 2.56N, 0.03, 95.96E, 0.03, h25km,
mb4.4/43, MS3.6/6, Error ellipse: s-maj=5.8km
s-min=3.5km az=135.6
KLM 26 01:47:18.9, 2.50N, 95.78E, h89km, mb4.5
IDC 26 01:47:23.0, 3.6, 2.62N, 96.07E, h53km, 33km, mb3.7/15,
mb1.3/4.7, mb1mx3.7/45, mbtmp4.0/17, ML4.1/2, MS3.4/6,
Ms1 3.4/6, ms1mx3.0/37, Error ellipse: s-maj=24.7km
s-min=15.2km az=56.0
NEIC 26 01:47:22.1, 0.8, 2.58N, 96.07E, h48km, 7km, mb4.6/23,
Error ellipse: s-maj=7.5km s-min=4.4km az=66.0
BUJ 26 01:47:23.4, 2.60N, 96.20E, h53km, mb5.0/22, mb4.6/38,
Ms4.4/9, Ms7.4/1.9

Table with columns: Code, Station Name, Az, El, P, S, Time, Res. Includes stations like SINSI Sinabang, TPTI TPTI, MLSI Meulaboh, KCSI Kotacane, and GSI Gunungsitoli.

Table of station data for the 26-day period, including station names, coordinates, and various parameters like elevation and frequency.

Table of station data for the 26-day period, including station names, coordinates, and various parameters like elevation and frequency.

Table of station data for the 26-day period, including station names, coordinates, and various parameters like elevation and frequency.

Table with columns: LAGR, Lagunnoye, 1.27 266, i P, Pn, 02 46 43.0, -0.2, AMB, AMB, 02 46 43.0, etc.

Table with columns: RES, Resolute Bay, 54.50 17, P, 02 55 37.3, -1.4, YKA, Yellowknife Ar, 55.31 34, eP, etc.

Table with columns: PB10, IPOC Station P, 3.91 12, eP, Pn, 03 15 41.5, +0.1, AMOG, MOGNA, 4.40 145, eS, etc.

ISC 26 02:51:06.6:2.0,51:39N:0:09:16:17E:0:07,h0km,n10, t:05:58/13, Poland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, KSP, Ksiaz, 0.56 172, eP, etc.

ISC/JB 26 03:07:19.0:0.6,37:01N:0:03:5:19E:0:07,h10km, Error ellipse: s-maj=8.6km s-min=5.0km az=179.1

ISC 26 03:07:19.3:1.0,36:38N:0:05:21E:0:04,h10km,n15, t:16:55/19, Northern Algeria

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, DFR, Dfret, 0.63 121, P, etc.

SJA 26 03:14:39.6:0.9,27:33S:71:82W,h33km,ML4.3,MW4.0

ISC/JB 26 03:14:42.0:0.6,27:31S:02:71:56W,0:08,h46km,6km, mb4.5/10,MS3.73, Error ellipse: s-maj=11.2km s-min=3.0km az=178.0

NEIC 26 03:14:44.0:2.0,6:27:43S:71:35W,mb4.9,6,ML4.5(GUC), Error ellipse: s-maj=17.5km s-min=5.7km az=93.0

NEIC Felt [III] at Copiapo and Tierra Amarilla. Also felt at Vallena.

GUC 26 03:14:45.0:0.6,27:62S:70:41W,h118km,6km,ML4.5

ISC 26 03:14:43.1:0.8,27:35S:0:03:71:44W,0:06,h27km,4km, n105,1:8R0/126,mb4.3/12,MS3.8,1C-ID,Near coast of northern Chile

Table with columns: Code, Station Name, Az, Az', Phase ID, Time Res, GO03, Copiap, 1.09 103, eP, etc.

THR 26 03:27:28.9,30:26N:56:16E,h14km,ML3.7
ISC/JB 26 03:27:29.5:0.3,30:16N:0:03:56:19E:0:04,h10km, Error ellipse: s-maj=5.3km s-min=4.2km az=161.4
TEH 26 03:27:29.3,30:18N:56:18E,h10km,ML3.8
DSN 26 03:28:12.8:1.9,27:13N:56:08E,h12km,ML2.6, Error











26d 7h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like WRA Warramunga Arr, WRA Fitzroy Crossi, FITZ Wake Island Hy, etc.

IDC 26 06:29:25.7, 0.7, 0.63N, 28.93W, h0km, mb4.2/13, mb1.4/3.13, mb1mx4.1/4.0, mbtmp4.2/13, MS3.8/15, Ms1.3/8.15, ms1mx3.6/2.7, Error ellipse: s-maj=31.0km s-min=13.7km az=155.0

ISCJB 26 06:29:27.2, 0.5, 0.9N, 0.2, 29.08W, 0.06, h16km, mb4.2/12, MS3.8/14, Error ellipse: s-maj=23.3km s-min=7.6km az=166.0

ISC 26 06:29:28.4, 0.7, 0.8N, 0.2, 29.0W, 0.1, h16km, n58, a=127/40, mb4.0/12, MS3.8/14, Central Mid-Atlantic Ridge

Main table of station data for the 26d 7h period, including stations like H10N3 ASCENSION HYDRI, H10N2 ASCENSION HYDRI, etc.

DDA 26 06:48:14.8, 37.52N, 35.70E, h7km, gkm, ML2.5 ISK 26 06:48:14.6, 37.55N, 35.69E, h5km, ML2.3/7, ISCJB 26 06:48:15.0, 0.4, 37.52N, 0.03, 35.69E, 0.03, h9km, 4km, Error ellipse: s-maj=5.1km s-min=4.1km az=142.0

ISC 26 06:48:15.2, 1.0, 37.53N, 0.03, 35.70E, h9km, 8km, n19, a=056/26, Turkey

2013 FEB

Table with columns: KOZT, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KOZT Kozan, KOZT Andirin, CEYNT Ceyhan, etc.

IDC 26 06:49:58.0, 1.8, 7.29S, 123.16E, h0km, ML3.6/2.1, mb1.3/5.3, mb1mx3.3/3.0, mbtmp3.3/3.3, ML3.7/1, Error ellipse: s-maj=280.6km s-min=28.9km az=57.0, Banda Sea

MEX 26 06:51:17.1, 0.5, 16.33N, 98.20W, h14km, 1km, MD3.9, Near coast of Guerrero

IDC 26 06:59:49.1, 61.0, 20.81S, 179.61W, h0km, mb3.8/3, mb1.4/0.3, mb1mx3.7/3.0, mbtmp3.8/3.0, Error ellipse: s-maj=1093.0km s-min=152.5km az=83.0, Fiji Islands region

ISCJB 26 07:02:19.8, 1.1, 13.35S, 0.04, 167.22E, 0.05, h236km, 14km, mb4.6/8.4, Error ellipse: s-maj=8.0km

IDC 26 07:02:19.3, 0.7, 13.32S, 167.27E, h218km, 6km, mb4.2/22, mb1.4/3.23, mb1mx4.2/32, mbtmp4.7/23, Error ellipse: s-maj=13.2km s-min=8.8km az=97.0

BUI 26 07:02:19.4, 13.18S, 167.50E, h232km, mb5.0/16, mb4.6/32

NEIC 26 07:02:20.6, 0.6, 13.30S, 167.22E, h231km, 6km, mb4.7/59, Error ellipse: s-maj=4.2km s-min=3.5km az=81.0

ISC 26 07:02:19.9, 0.7, 13.30S, 0.06, 167.25E, 0.08, h223km, 6km, n160, a=090/180, mb4.7/83, I, C, Vanuatu Islands

Main table of station data for the 2013 FEB period, including stations like MARNC Mare, Loyalty, DZM Mont Dzumac, etc.

WB2 Warramunga Arr 32.17 254 eP P 07 08 26.1 -0.9 WRAB Tennant Creek 32.17 254 eP P 07 08 26.1 -1.0

1864

Main table of station data for the 1864 period, including stations like WR1 Warramunga Arr, WR1 WRA, WRA Warramunga Arr, etc.

JBP Jabalpur 92.67 293f eP P 07 15 09.5 +2.5 JBP Jabalpur 92.67 293f eS P 07 16 12.4 +1.1 SNAA Sanae 94.97 183 P P 07 15 16.1 -0.6 TXAR Lajitas Array 95.61 61 P P 07 15 19.0 -1.5



Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like VNA3 Neumayer Olymp, VNA2 Neumayer-Watz, MK01 Makanchi Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IDC 26 07:06:20.41.1.11, ISCB 26 07:06:23.71.1.11, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MEX 26 07:09:13.8.0.5, CHIAPAS, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ISK 26 07:17:13.2.38, ISCB 26 07:17:14.6.0.4, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like S1RN Sırnak, MLAZ Malazgirt-MUS, MLAZ, etc.

DJA 26 07:19:47.0.0.4.9 S:9.12°2E.1, h15km,3km, M3.3/4, MLV3.3/4

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BNGB Bingli, MARD Mardin, KOPR Koprucuk-ERZUR, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SOEI Söğüt, FITZ Fitzroy Cross, FITZ, etc.

PGC 26 07:23:55.0.2.48, 38°13N-129°08W, h10km, ML3n1/10, Mw3.7/10, 247km Wsw of Tofino, Bc Vancouver Island, Canada Region, Vancouver Island region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TOFB Tofino, MAYB Maynard, MAYB, etc.

ISK 26 07:25:05.4.38°31'N-42°50'E, h4km, ML2.5/4

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AKDM Akdamar-Van, AKDM, GEVAS, etc.

DDA 26 07:25:07.0.38°32'N-42°52'E, h7km, 2km, ML2.6

ISK 26 07:25:06.4.1.1.38°31'N-0°05'42.50E, h9km, 12km, n9, e05°37'14, Turkey

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ERBA Erbaa, ERBA, RSDY, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KELT, KELT, comp=Z,224nm,0.2s

ISK 26 07:34:59.3.0.8.35°79'N-45°88'E, h6km, 6km, ML3.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILIN Lien, ILIN, ILIN, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IKRK Kirkuk, IKRK, IVIS Veis, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IGHG Ghaleghazi, IGHG, IAZR Azarshahr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like IKOM Komasi, IKOM, IBST Bostanabad, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MSL Mosul, MSL, IBDR Badra, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like HSRG Sareghieh, HSRG, IKOM Komasi, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BGD Baghdad, BGD, HAD Ahadgareh, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like URZ Urewera, URZ, URZ, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ZON Zonda, ZON, RLLL Cerro Villilcu, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AMOG Mogna, AMOG, AMOC Cerro Coronel, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AROD Rodeo, AROD, ASAL Salagasta, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ARCO Cerro Arco, ARCO, CMCH Combarbala, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AGRB Agrelo, AGRB, G004 Tololo Observa, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AGUA Guandacol, AGUA, FCH Farellones, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ROCH El Roble, ROCH, ROCH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like APPL Punta de los L, APPL, CLCH Cerro Calan, etc.





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like YKWB, YKWA, YKBS, etc.

ISC/JB 26 09:01:17.1-0.6, 64.69N-01:03:30.40E:0.09, h0km, Error ellipse: s-maj=5.6km s-min=3.7km az=14.9

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like KU6, MSF, OUL, etc.

SOME 26 09:05:41.4, 39.72N:74.83E, h15km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Apatity Array, ARAO, etc.

NEIC 26 09:03:59.5-0.0, 51.62N:178.00W, h4km, ML2.9(AEIC), After AEIC., Andronof Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like KIWV, ADK, etc.

ATH 26 09:04:02.9, 40.42N:21.88E, h12km, 4km, ML1.54, Error

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like KIBW, ADK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like KIBW, ADK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like KIBW, ADK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like KIBW, ADK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like Kozani, Florina, Kipourio, etc.

ISC 26 09:04:56.125, 0.11, 25S:165.39E, h0km, mb3.8/3, Mb1 4.0/4, mb1mx3.6/5.1, mbtmp3.9/4, ML3.7/1, MS3.4/2, Ms1 3.4/2, ms1mx2.9/3.5, Error ellipse: s-maj=435.6km s-min=50.0km az=50.0, Santa Cruz Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like HNR, DZM, STRA, etc.

SOME 26 09:05:41.4, 39.72N:74.83E, h15km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SFK, ARSB, DRK, etc.

ISC 26 09:05:42.0, 0.1, 39.72N:74.83E, h15km

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SFK, ARSB, DRK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SFK, ARSB, DRK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SFK, ARSB, DRK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SFK, ARSB, DRK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SFK, ARSB, DRK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SFK, ARSB, DRK, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like DGS, IZV, SGDS, etc.

ISC 26 09:09:25.2, 3.8, 6.41S:147.89E, h0km, mb3.3/1, mb1 3.7/2, mb1mx3.3/5.0, mbtmp3.5/2, ML3.6/1, MS3.3/1, Ms1 3.3/1, ms1mx2.6/1.4, Error ellipse: s-maj=137.5km s-min=46.4km az=113.0, Eastern New Guinea region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like WRA, ASAR, TORO, etc.

NNC 26 09:09:57.6, 6.3, 37.19N:70.66E, h0km, mb3.6, mpv3.1, 5C-2D, Error ellipse: s-maj=56.2km s-min=41.4km az=149.0, Afghanistan-Tajikistan border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like SFK, MNAS, KK31, etc.

ISC 26 09:11:50.2, 0.5, 53.67N:163.58W, h0km, mb4.5/4.1, mb1 4.6/4.4, mb1mx4.5/6.6, mbtmp4.5/4.4, ML3.9/3, MS3.9/19, Ms1 4.0/19, ms1mx3.8/4.6, Error ellipse: s-maj=15.5km s-min=8.6km az=179.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like BJI, MOS, AEIC, etc.

ISC 26 09:11:53.6, 0.8, 53.56N:163.48W, h0km, h25km, 4km, mb4.7/1.7, MS4.0/2.4, Error ellipse: s-maj=5.3km s-min=2.2km az=4.4

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like BRPK, SSSL, SSSA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like BRPK, SSSL, SSSA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like BRPK, SSSL, SSSA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like BRPK, SSSL, SSSA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like BRPK, SSSL, SSSA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Op, ISC, h, m, s, ISC, Time, Res. Includes stations like BRPK, SSSL, SSSA, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like MLY Manley, PAX Paxson, IM3 Indian Mountain, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like YSS Yuzh-Sakhalins, ELK Elko, YHH Holmes Hill, etc.

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like SDCO Great Sand Dun, TUC Tucson, KSCO Kaye Shedlock, etc.



Table of astronomical observations for 26d 9h, listing stations like BRG, BCLA, PVCC, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 2013 FEB, listing stations like BRTR, FNA, WRA, etc., with columns for station name, coordinates, and observation details.

BGR 26 09:21:42.1±0.3, 49.70N; 72.27E, h10km, ML2.4/5, Error ellipse: s-maj=4.4km s-min=3.3km az=111.0

Main table of astronomical observations for 2013 FEB, listing stations like RUP, ABH, FSH, etc., with columns for station name, coordinates, and observation details.

Table of astronomical observations for 1870, listing stations like GIVF, SIND, THEF, etc., with columns for station name, coordinates, and observation details.

NAO 26 09:21:49.6±1.7, 60.44N; 5.21E, h24km±11km, ML2.0

BER 26 09:21:48.3±1.9, 60.32N; 4.77E, h19km±4km, ML1.9

Table of astronomical observations for Norway, listing stations like ASK, BER, SUE, etc., with columns for station name, coordinates, and observation details.





26d 9h

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like VCNR Virginia City, PNTR Pine Nut, ELK Elko, etc.

2013 FEB

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like GSC Goldstone, GSC Goldstone, GSC Goldstone, etc.

1872

Table with columns for station call letters, station name, frequency, power, and other technical details. Includes stations like SPA0 Spitsbergen Ar, SPITS Spitsbergen Ar, SPITS Spitsbergen Ar, etc.

1873

U32A	Winter Ranch, comp=Z,6.8nm,0.6s	40.84 108	eP	P	09 39 46.5 +1.5
M43A	Waltham Townsh baz=325	40.94 94	P	P	09 39 45.8 +0.1
N42A	Yates City baz=325	40.96 95	P	P	09 39 45.8 -0.1
NR1K	Norri'sk comp=Z,2.4nm,0.5s,baz=27,slow=9.0,SNR=2.4	40.97 333	P	P	09 39 45.3 -0.3
NR1K	comp=Z,3.8nm,0.6s,baz=101,slow=2.2,SNR=4.0	41.01 112	eP	P	09 41 42.7 0.0
AMTX	Amarillo comp=Z,1.4nm,1.2s	41.02 112	P	P	09 39 47.0 +0.4
AMTX	Amarillo baz=331	41.02 112	P	P	09 39 47.6 +1.0
E51A	G1948 Merrick baz=321	41.03 81	P	P	09 39 45.9 -0.5
I48A	Sherman Twp baz=323	41.04 87	P	P	09 39 47.0 +0.5
D52A	ZEK Kipawa Sen baz=321	41.15 80	P	P	09 39 47.5 +0.1
ZE A	Zeya comp=Z,4.3nm,1.2s	41.16 296	eP	P	09 39 46.8 -0.6
TOBO	Tobermory, Bru baz=322	41.17 84	P	P	09 39 48.0 +0.4
319A	Douglas comp=Z,8.4nm,0.6s	41.17 123	eP	P	09 39 51.1 +3.2
MSTX	Muleshoe comp=Z,1.1nm,0.9s	41.38 114	eP	P	09 39 51.5 +2.0
MSTX	Muleshoe baz=331	41.38 114	P	P	09 39 50.6 +1.1
D53A	Lac Vachiv, Po baz=321	41.38 79	P	P	09 39 49.4 +0.1
M44A	Midewin, Midew comp=Z,2.2nm,1.1s	41.38 93	eP	P	09 39 50.1 +0.8
M44A	Midewin, Midew baz=325	41.38 93	P	P	09 39 49.4 +0.1
ANGG	Ammassalik, Gr comp=Z,5.2nm,1.4s	41.40 36	eP	P	09 39 48.8 -0.3
E41A	Barry, Barry baz=326	41.46 97	P	P	09 39 50.3 +0.3
P52A	Mattawa baz=322,SNR=5.4	41.58 80	P	P	09 39 51.0 0.0
KLBO	Killbear Provi baz=322	41.64 83	P	P	09 39 51.3 0.0
F52A	Sundridge baz=322	41.68 81	P	P	09 39 51.1 -0.6
D54A	Lac Fusel, La baz=321	41.77 78	P	P	09 39 52.6 +0.1
BMRO	Merriville Lake baz=322	41.80 84	P	P	09 39 53.2 +0.5
BUKO	Buck Lake baz=322	41.92 82	P	P	09 39 53.5 -0.2
E53A	Dumoine, Ponti baz=322,SNR=5.9	41.94 80	P	P	09 39 54.0 +0.1
J49A	Marlette baz=323	41.94 87	P	P	09 39 54.5 +0.6
K48A	Perry baz=324	41.96 88	P	P	09 39 54.3 +0.3
Q41A	Truxton baz=326	41.99 98	P	P	09 39 54.2 0.0
BASO	Ashfield baz=323	42.07 85	P	P	09 39 55.0 +0.1
E54A	Lac Daplat, Po baz=322	42.10 79	P	P	09 39 55.0 -0.1
ALGO	Algonquin Park baz=322	42.10 80	P	P	09 39 54.7 -0.4
ASAJ	Asahikawa comp=Z,5.1nm,0.7s,baz=13,slow=6.1,SNR=8.0	42.14 275	P	P	09 39 54.5 -0.9
ASAJ	comp=Z,4.5nm,0.9s,baz=159,slow=32,SNR=2.6	42.20 95	P	P	09 39 55.7 -0.3
BWLO	Walkerton baz=323	42.21 85	P	P	09 39 55.6 -0.5
Q42A	Golden Eagle baz=326	42.32 98	P	P	09 39 56.8 -0.2
WMOK	Wichita Mounta baz=330	42.34 109	P	P	09 39 58.0 +0.8
MNTX	Cornudas Mount comp=Z,6.8nm,1.4s	42.35 119	eP	P	09 39 59.9 +2.6
MNTX	Cornudas Mount baz=333,SNR=5.0	42.35 119	eP	P	09 41 48.5 +0.6
MNTX	Cornudas Mount baz=333,SNR=5.0	42.35 119	eP	P	09 39 59.9 +2.2
N46A	Monticello baz=325	42.35 92	P	P	09 39 57.3 +0.1
R41A	Rosebud baz=327	42.47 99	P	P	09 39 58.1 0.0
G53A	Haliburton baz=322	42.51 81	P	P	09 39 58.2 -0.3
L48A	N Adams baz=324	42.51 89	P	P	09 39 58.2 -0.3
I51A	Listowel baz=323	42.51 85	P	P	09 39 58.5 0.0
PEMO	Pembroke baz=322	42.67 80	P	P	09 39 59.0 -0.7
P44A	Sand Creek, Wi baz=326	42.70 95	P	P	09 39 59.0 -1.0
NRS	Narsarsuaq comp=Z,3.4nm,1.4s	42.72 44	eP	P	09 40 00.4 +0.5
CCM	Cathedral Cave comp=Z,4.9nm,0.9s	42.73 99	eP	P	09 40 00.9 +0.6
CCM	Cathedral Cave comp=Z,5.0nm,0.9s	42.73 99	eP	P	09 40 00.4 +0.1
R42A	Luebbering baz=327	42.73 98	P	P	09 40 01.0 +0.7
KLR	Kul'dur comp=Z,9.0nm,0.5s,baz=49,slow=7.3,SNR=83	42.78 289	P	P	09 39 59.4 -1.1
KLR	comp=Z,1.3nm,0.5s,baz=337,slow=1.6,SNR=3.4	42.82 91	P	P	09 40 00.5 -0.5
N47A	Urbana baz=325	42.82 91	P	P	09 40 01.5 -0.1
BANO	Bancroft baz=322	42.90 81	P	P	09 40 01.6 -0.1
S41A	Jilico Farms, baz=327	42.90 100	P	P	09 40 01.6 -0.1
F55A	Otter Lake baz=322	42.93 79	P	P	09 40 01.1 -0.8
BOD	Bodaibo comp=Z,2.2nm,1.3s	42.95 309	eP	P	09 40 00.8 -1.0
Q44A	Meyer Farm, Va baz=326	42.99 96	P	P	09 40 02.3 -0.1
P45A	Graceland, Par comp=Z,1.1nm,0.6s	43.03 94	eP	P	09 40 03.3 +0.6
P45A	Graceland, Par baz=326	43.03 94	P	P	09 40 02.7 0.0
HHAR	Hobbs comp=Z,8.5nm,1.5s	43.06 103	eP	P	09 40 03.8 +0.8
ACTO	Acton baz=323	43.09 84	P	P	09 40 03.2 +0.1
M49A	Liberty Center baz=327	43.09 89	P	P	09 40 03.2 +0.1
R43A	Red Bud baz=327	43.11 97	P	P	09 40 03.3 -0.2
N48A	Decatur baz=325	43.13 91	P	P	09 40 03.1 -0.4
O47A	Sheridan baz=325	43.14 92	P	P	09 40 03.0 -0.6
FVM	French Village comp=Z,7.9nm,0.9s	43.14 98	eP	P	09 40 04.3 +0.7
FVM	French Village comp=Z,8.0nm,0.9s	43.14 98	eP	P	09 40 04.3 +0.7
S42A	Caledonia baz=327	43.16 99	P	P	09 40 03.7 0.0
P46A	Rosedale baz=326,SNR=5.0	43.19 94	P	P	09 40 04.2 +0.2
G55A	Calabogie baz=322,SNR=5.5	43.23 80	P	P	09 40 03.8 -0.4
LATQ	La Tuque baz=322	43.24 75	P	P	09 40 04.5 +0.2
PLVO	Plevna comp=Z,2.0nm,1.5s	43.25 80	eP	P	09 40 04.7 +0.4
PLVO	Plevna baz=323	43.25 80	P	P	09 40 04.2 -0.2
T41A	Mountain View baz=328	43.35 100	P	P	09 40 05.3 0.0
Q45A	Warren Harvey, baz=326	43.38 95	P	P	09 40 05.2 -0.3
TRQ	Mont Tremblant baz=323	43.40 77	eP	P	09 40 05.6 0.0
DELO	Deloro Mine baz=323	43.43 81	P	P	09 40 05.6 -0.2
N49A	Columbus Grove baz=325	43.45 90	P	P	09 40 05.8 -0.3

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U40A	Yellville baz=328	43.46 102	P	P	09 40 06.1 -0.1
WLVO	Wesleyville baz=323	43.56 82	P	P	09 40 06.6 -0.2
O48A	Farnand baz=325,SNR=7.8	43.57 91	P	P	09 40 06.5 -0.5
ERM	Erimo comp=Z,4.4nm,1.3s	43.58 273f	eP	P	09 40 08.1 +1.1
TYNO	Typside baz=324	43.58 84	P	P	09 40 07.0 -0.1
H55A	Tweed baz=323	43.59 81	P	P	09 40 06.8 -0.3
ORIO	Orleans, Innes baz=322	43.60 79	P	P	09 40 06.8 -0.3
S43A	Fulton Ridge, baz=327	43.64 98	P	P	09 40 07.8 +0.2
T42A	Van Buren comp=Z,1.4nm,1.6s	43.65 100	eP	P	09 40 08.3 +0.6
T42A	Van Buren baz=328	43.65 100	P	P	09 40 07.4 -0.3
P47A	Martinsville baz=326	43.71 93	P	P	09 40 08.0 -0.1
SIUC	Southern Illin comp=Z,2.6nm,1.3s	43.89 97	eP	P	09 40 10.3 +0.7
S44A	Carbondale baz=327	43.89 97	P	P	09 40 09.5 -0.1
H56A	Elgin baz=323	43.96 80	P	P	09 40 09.9 -0.2
T43A	Greenville baz=327,SNR=5.1	43.96 99	P	P	09 40 10.2 +0.1
O49A	Covington comp=Z,2.9nm,1.4s	43.98 91	eP	P	09 40 10.4 +0.1
O49A	Covington baz=325	43.98 91	P	P	09 40 09.0 -1.3
W39A	Magazine baz=326	44.05 104	P	P	09 40 10.7 -0.1
Q47A	Bedord North L baz=326	44.10 94	P	P	09 40 10.8 -0.4
P48A	Milroy baz=326	44.10 92	P	P	09 40 10.8 -0.5
PBMO	Poplar Bluff comp=Z,9.5nm,0.6s	44.15 99	eP	P	09 40 12.5 +0.8
U42A	Reverend baz=328	44.16 100	P	P	09 40 11.7 -0.1
M52A	Cherlerland baz=324	44.19 87	P	P	09 40 11.6 -0.3
S45A	Carrier Mills baz=327	44.20 97	P	P	09 40 12.4 +0.3
N51A	Ashland comp=Z,3.1nm,1.4s	44.25 88	eP	P	09 40 12.7 +0.3
N51A	Ashland baz=325	44.25 88	P	P	09 40 12.2 -0.2
O50A	Cable baz=325,SNR=5.8	44.33 90	P	P	09 40 13.2 +0.1
L53A	Girard baz=324	44.33 86	P	P	09 40 13.1 0.0
P49A	Miami Univ. Ec comp=Z,1.6nm,0.4s	44.35 92	P	P	09 40 12.8 -0.5
USIN	University of comp=Z,1.9nm,1.4s	44.36 96	eP	P	09 40 13.8 +0.5
Q48A	North Vernon baz=326	44.41 93	P	P	09 40 13.1 -0.6
U43A	Rector baz=328	44.51 99	P	P	09 40 14.8 +0.4
ACSO	Alum Creek Sta comp=Z,2.7nm,1.3s	44.54 89	eP	P	09 40 15.2 +0.4
ACSO	Alum Creek Sta baz=325	44.54 89	P	P	09 40 14.8 +0.1
M53A	WI Miller and baz=325	44.57 86	P	P	09 40 15.3 +0.3
S46A	Don Dixon Farm baz=326	44.57 96	P	P	09 40 14.6 -0.4
R47A	Wooly Knot Far baz=326	44.58 94	P	P	09 40 15.0 -0.1
LONY	Lake Ozonia comp=Z,1.4nm,1.4s	44.66 79	eP	P	09 40 14.8 -0.8
LONY	Lake Ozonia baz=323	44.66 79	P	P	09 40 15.1 -0.6
MIAR	Mount Ida comp=Z,1.5nm,1.4s	44.69 104	eP	P	09 40 16.9 +0.9
MIAR	Mount Ida baz=329	44.69 104	eP	P	09 41 56.0 +0.2
MIAR	Mount Ida baz=329	44.69 104	eP	P	09 41 16.7 +0.7
P50A	Jamestown baz=326	44.70 91	P	P	09 40 15.4 -0.6
Q49A	Aurora baz=326	44.71 92	P	P	09 40 15.8 -0.3
WCI	Wyandotte Cave comp=Z,1.4nm,1.2s	44.74 94	eP	P	09 40 16.8 +0.5
WCI	Wyandotte Cave comp=Z,1.4nm,1.2s	44.74 94	eP	P	09 40 16.8 +0.5
WCI	Wyandotte Cave comp=Z,1.4nm,1.2s	44.74 94	eP	P	09 40 15.9 -0.4
O51A	Patskaska baz=325	44.78 89	P	P	09 40 16.2 -0.4
R48A	Northridge Ran baz=326	44.78 94	P	P	09 40 16.0 -0.7
PUH	Paulani comp=Z,2.04nm,1.4s	44.90 188	eP	P	09 40 18.3 +0.5
AIN	Ainahoo comp=Z,1.52nm,1.1s	44.91 188	eP	P	09 40 19.1 +1.1
FRNY	Flat Rock comp=Z,1.9nm,1.2s	44.91 78	eP	P	09 40 16.9 -0.7
L55A	Hinsdale baz=324	44.95 84	P	P	09 40 17.4 -0.5
M54A	Oil Creek Stat comp=Z,1.4nm,1.3s	44.96 86	eP	P	09 40 18.2 +0.2
M54A	Oil Creek Stat baz=325	44.96 86	P	P	09 40 18.0 0.0
N53A	Lisbon baz=325	45.01 87	P	P	09 40 18.6 +0.1
T46A	Princeton baz=327	45.03 97	P	P	09 40 18.9 +0.2
KHU	Kahuku comp=Z,2.90nm,1.5s	45.05 188	eP	P	09 40 19.7 +0.5
KHU	Kahuku comp=Z,2.91nm,1.5s	45.05 188	eP	P	09 40 19.7 +0.5
MOQ	Mont Orford baz=327	45.10 76	eP	P	09 40 19.2 0.0
TX31	Lajitas Ar. Si baz=318	45.12 118	eP	P	09 40 21.4 +1.8
TXAR	Lajitas Array comp=Z,6.0nm,0.6s,baz=11,slow=7.2,SNR=64	45.12 118	eP	P	09 40 21.5 +1.9
TXAR	comp=Z,1.8nm,0.5s,baz=11,slow=3.4,SNR=7.8	45.12 118	eP	P	09 41 58.2 +0.7
TXAR	comp=Z,0.1nm,0.4s,baz=170,slow=1.2,SNR=5.4	45.14 89	P	P	09 48 53.4 -1.8
O52A	Adamsville baz=325	45.14 89	P	P	09 40 19.3 -0.2
N54A	Moraine State baz=325	45.26 86	eP	P	09 40 20.8 +0.4
N54A	Moraine State baz=325	45.26 86	P	P	09 40 20.3 -0.1
N54A	Wiedeman Farm, baz=327,SNR=7.0	45.32 94	P	P	09 40 20.7 -0.2
N8B					

Table with columns: Call sign, Frequency, Mode, Power, and other details. Includes stations like Y49A, V53A, X51A, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other details. Includes stations like HHC, HHC, ARU, ARU, etc.

Table with columns: Call sign, Frequency, Mode, Power, and other details. Includes stations like JAVC, Velka Javorina, MFF, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like NIL, KBL, SDV, BRR, etc.

NIED 26 09:41:00, 29:30N, 142:50E, h5km, Mw4.0 Best double couple: M=9.67000e+1014 NP1=186.00000e+340.00000e+...

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like CBJ, JHU, etc.

ISC 26 09:41:34.7-0.4, 29:34N, 0:04, 142:25E, 0:07, h24km, n120, r=145/137, mb4.3/3, C-8D, Southeast of Honshu

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like BSO, JHU, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like SSSL, KLR, TYV, NKL, ULN, etc.

Table with columns: Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like FIAO, FIAO, FIAO, etc.

ISC 26 09:47:39.7-1.3, 11:23N, 125:82E, h0km, mb3.7/6, mb1 3.6/6, mb1mx3.6/32, mbtmp3.7/6, Error ellipse: s-maj=66.2km s-min=18.3km az=63.0

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like BESP, BESP, BESP, etc.

ISC 26 09:47:40.4-1.1, 15:58N, 126:01E, h10km, MS3.5

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like JHCJ, JHU, etc.

ISC 26 09:52:34.8-0.5, 30:87N, 0:04, 138:70E, 0:08, h384km, mb3.2/9, Error ellipse: s-maj=9.8km s-min=5.2km az=170.6

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like JHU, JHU, etc.

ISC 26 09:52:36.2-0.7, 30:83N, 138:60E, h375km, mb3.0/9, mb1 3.1/11, mb1mx3.0/30, mbtmp3.7/13, Error ellipse: s-maj=20.4km s-min=9.5km az=74.0

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like JHU, JHU, etc.

ISC 26 10:11:36.6-1.7, 36:89N, 70:43E, h220km, 20km, mb3.1, mpv4.1, Error ellipse: s-maj=17.1km s-min=15.8km az=112.0

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like CEP, CEP, CEP, etc.

ISC 26 10:11:31.1-1.0, 36:55N, 0:05, 70:27E, 0:06, h204km, n47, r=147/56, mb3.7/7, C-3Z, Hindu Kush region

Table with columns: Code, Station Name, Frequency, Power, Azimuth, Elevation, and other parameters. Includes stations like CEP, CEP, CEP, etc.

26d 12h

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Erkin-Say, Kyzart, Ala-Archa, etc.

ISK 26 10:25:55.4, 36°34'N; 37°50'E, h5km, ML2.2/3
ISCJB 26 10:25:56.7, 36°19'N; 37°47'E, h2km, gkm, Error ellipse: s-maj=9.2km s-min=6.2km az=148.5

DDA 26 10:25:56.7, 36°19'N; 37°45'E, h7km, 2km, ML2.5
ISC 26 10:25:56.3, 1.8, 36°38'N; 07°37'48"E, 0.05, h7km, 11km, n9, 0°45/17, Jordan-Syria region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Kuzuzi, Gaziantep, etc.

ISC 26 10:49:09.4, 20.25, 58S; 179.75E, h481km, 20km, mb3.6/15, mb1 3.7/18, mb1mx3.6/20, mbtmp3.6/3, ML2.8/1, Error ellipse: s-maj=18.9km s-min=16.2km az=96.0

ISCJB 26 10:49:11.7, 0.4, 25.59S; 0.03, 179.51E; 0.08, h507km, mb4.0/16, Error ellipse: s-maj=9.8km s-min=4.1km az=173.5

WEL 26 10:49:16.5, 1.0, 26°S; 7°17'W, 3°2, h554km, 19km
ISC 26 10:48:11.9, 0.5, 25.86S; 0.06, 179.64E; 0.09, h507km, n68, 0°184/86, mb4.0/16, South of Fijil Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Raoul Island, etc.

2013 FEB

Table with columns: GLKZ, WCZ, KUZ, etc. Includes station names and coordinates.

NEIC 26 11:36:27.6, 0.0, 15.54N; 95.36W, h16km, MD4.0 (MEX), After MEX.

MEX 26 11:36:27.6, 0.5, 15.54N; 95.36W, h16km, 16km, MD4.0, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Huatulco, Matias Romero, etc.

NIED 26 11:41:00.41, 30N; 142.20E, h26km, Mw3.4 Best double couple: M1, 53000; 1014 N1P1; 67, 00000; 843, 00000; 122, 00000; NP2; 321, 00000; 875, 00000; A, 131, 00000.

ISC 26 11:41:46.5, 1.2, 41°16'N; 142°13'E, h0km, mb3.5/6, mb1 3.7/6, mb1mx3.5/42, mbtmp3.5/6, MS2.3/1, Ms1 2.3/1, ms1mx2.1/52, Error ellipse: s-maj=30.2km s-min=27.1km az=170.0

JMA 26 11:41:50.7, 0.1, 41°29'N; 142°24'E, h31km, 3km, Mw3.6
ISC 26 11:41:48.2, 1.2, 41°25'N; 142°22'E; 0.03, h1km, 8km, n27, 0°60/42, mb3.7/7, 4C-4D, Hokkaido region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Aomorihigashid, etc.

NORSAR 26 11:03:13.2, 0.0, 42°53'N; 41°11'E, h15km, MPVA3.0
ISC 26 11:03:13.5, 3.8, 42°36'N; 07°40'7"E, 0.2, h35km, n4, 0°91/81, Black Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Batumi, etc.

SKHL 26 11:22:55.0, 0.4, 44°32'N; 148°38'E, h38km, 2km, mb4.1/5
JMA 26 11:22:56.2, 0.3, 44°11'N; 148°32'E, h58km, M3.7
ISC 26 11:22:54.0, 0.3, 2, 44°3N; 01°148°5E; 0.2, h55km, n15, 0°110/26, Kuril Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Kuril'sk, etc.

1876

Table with columns: YUK, YUK, LAGR, etc. Includes station names and coordinates.

NEIC 26 11:36:27.6, 0.0, 15.54N; 95.36W, h16km, MD4.0 (MEX), After MEX.

MEX 26 11:36:27.6, 0.5, 15.54N; 95.36W, h16km, 16km, MD4.0, Near coast of Oaxaca

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Huatulco, Matias Romero, etc.

NIED 26 11:41:00.41, 30N; 142.20E, h26km, Mw3.4 Best double couple: M1, 53000; 1014 N1P1; 67, 00000; 843, 00000; 122, 00000; NP2; 321, 00000; 875, 00000; A, 131, 00000.

ISC 26 11:41:46.5, 1.2, 41°16'N; 142°13'E, h0km, mb3.5/6, mb1 3.7/6, mb1mx3.5/42, mbtmp3.5/6, MS2.3/1, Ms1 2.3/1, ms1mx2.1/52, Error ellipse: s-maj=30.2km s-min=27.1km az=170.0

JMA 26 11:41:50.7, 0.1, 41°29'N; 142°24'E, h31km, 3km, Mw3.6
ISC 26 11:41:48.2, 1.2, 41°25'N; 142°22'E; 0.03, h1km, 8km, n27, 0°60/42, mb3.7/7, 4C-4D, Hokkaido region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Aomorihigashid, etc.

NORSAR 26 11:03:13.2, 0.0, 42°53'N; 41°11'E, h15km, MPVA3.0
ISC 26 11:03:13.5, 3.8, 42°36'N; 07°40'7"E, 0.2, h35km, n4, 0°91/81, Black Sea

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Batumi, etc.

SKHL 26 11:22:55.0, 0.4, 44°32'N; 148°38'E, h38km, 2km, mb4.1/5
JMA 26 11:22:56.2, 0.3, 44°11'N; 148°32'E, h58km, M3.7
ISC 26 11:22:54.0, 0.3, 2, 44°3N; 01°148°5E; 0.2, h55km, n15, 0°110/26, Kuril Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like Kuril'sk, etc.





26d 12h

Table with columns for station code, name, frequency, and signal strength. Includes stations like MDJ, KSRJ, KSRS, KS01, etc.

2013 FEB

Table with columns for station code, name, frequency, and signal strength. Includes stations like ULN, XAN, SONA, etc.

1878

Table with columns for station code, name, frequency, and signal strength. Includes stations like MKAR, MKAZ, MAKZ, etc.

Table of astronomical observations for 1879, listing station names (e.g., YKBS, AS31), object names (e.g., Yellowknife Ar, Alice Springs), coordinates, and observation details.

Table of astronomical observations for 2013 FEB, listing station names (e.g., MPU, P17A), object names (e.g., Maple Canyon, Butcher Ranch), coordinates, and observation details.

Table of astronomical observations for 26 Dec 13h, listing station names (e.g., FETA, DAVA), object names (e.g., Feichten, Danuels), coordinates, and observation details.

ISCJB 26 12:53:15.3±0.5, 27:83S±0.04, 140:73E±0.07, h10km, Error ellipse: s-maj=9.2km s-min=5.1km az=155.2, IDC 26 12:53:15.6±0.7, 27:58S±141.08E, h0km, mb1 3.8/3, mb1mx3.5/16, mbtmp3.6/3, ML3.6/3, Error ellipse: s-maj=134.8km s-min=24.6km az=64.0, AUST 26 12:53:16.3±0.0, 27:80S±140.79E, h10km, Error ellipse: s-maj=0.2km s-min=0.1km az=226.0, ISC 26 12:53:17.1±0.9, 27:34S±100.06E, 140:69E±0.08, h10km, n18, =18324, South Australia

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like STKA, STKA, STKA, etc., with their respective coordinates and observation times.

IDC 26 13:44:18.7±2.1, 13:19N±95.70E, h0km, mb3.4/3, mb1 3.5/4, mb1mx3.3/63, mbtmp3.3/4, ML3.2/1, MS3.4/1, Ms1 3.3/1, ms1mx2.4/3, Error ellipse: s-maj=70.3km s-min=26.4km az=68.0, Andaman Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like CMAR, MKAR, WRA, ASAR, ARPS, WR0, WRA, WRA, WBB, MTSU, FORT, WRKA, etc., with their respective coordinates and observation times.

NIED 26 13:50:00, 21:20N, 120:90E, h29km, Mw4.0. Best double couple: M1 1.700000, P1 1.700000, N1 1.700000, S1 1.700000, N2 2.600000, S2 1.700000, JMA 26 13:50:44.2, 21:26N, 120:74E, h75km, ML3.4, C, TAP 26 13:50:44.6, 0.3, 21:25N, 120:93E, h17km, M3.7, IDC 26 13:50:48.7, 8.5, 21:07N, 120:89E, h70km, h84km, mb3.3/4, mb1 3.6/8, mb1mx3.3/61, mbtmp3.7/8, ML3.5/1, MS3.8/3, Ms1 3.8/3, ms1mx2.9/54, Error ellipse: s-maj=28.0km s-min=17.5km az=73.0, ISC 26 13:50:44.0, 2.2, 21:21N, 120:08E±0.06, h26km±14km, n59, =11377, mb3.77, Taiwan region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, h, m, s, ISC. Lists stations like TSEB, TWKBT, TWKBT, TWK1, TWK1, HEN, LAY, LAY, SCZT, etc., with their respective coordinates and observation times.

26d 13h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like EAST Anshuo, MASBT Mashbululo, CHN1 Nanshi, etc.

2013 FEB

Table with columns: GYA0B, ILLg, Lg, 13 56 22.1, etc. Includes stations like ASHT Ashkhabad, GYAOB GALA, etc.

1880

Table with columns: ORD, ORDubad, 6.72 267, ePn, Pn, 13 56 18.2, etc. Includes stations like ORD, GEDABAY, GDB, etc.

TEH 26 13:54:39.4, 39°54N-54°52E, h10km, ML4.4
ISCJB 26 13:54:40.9, 0.3, 39.64N, 0.03:54:59E, 0.02, h37km, 4km,
mb4, 3/41, MS3.5/8, Error ellipse: s-maj=4.5km

ORD 13:56:18.2 +0.2
ORD 13:56:18.2 +0.2
ORD 13:57:31.8 -1.7
ORD 13:56:21.0 +2.5
ORD 13:57:33.8 -0.7



26d 14h

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Pacitan, Ngawi, Tanjungpandan, etc.

2013 FEB

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Chiang Mai Arr, Warungjaya, Warakurna, etc.

1882

Table with columns for station code, name, frequency, power, and other technical details. Includes stations like Hu-ho-hao-te, Mangrove Creek, Wonju Array Si, etc.





26d 14h

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like M53A WI Miller, HHAR Hobbs, Q41A Jilco Farms, etc.

2013 FEB

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like X40A Basin Creek Fa, X40A Basin Creek Fa, MVL Millersville, etc.

1884

Table with columns: Call Sign, Station Name, Frequency, Power, Mode, and other parameters. Includes stations like 147A Livingston, Y50A Piedmont, X52A Daltonega, etc.

ISK 26 14:34:37.4, 37.00N-36.18E, h21km, ML2.3/3
DDA 26 14:34:41.6, 37.42N-36.42E, h7km, 5km, ML2.6
ISC 26 14:34:41.6, 37.39N-0.03-36.37E, 0.03, h12km, 8km,

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like ANDN Andirin, ANDN Andin, ANDN Andin, etc.

IDC 26 14:35:37.9, 3.1, 27.90S-176.56W, h0km, mb3.5/2,
mb1 3.7/2, mb1mx3.5/22, mbtm3.5/2, Error ellipse:
s-maj=85.5km s-min=38.8km az=124.0, Kermadec

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like RAO Raoul Island, RAO Raoul Island, RAO Raoul Island, etc.

MEX 26 14:37:28.4, 0.6, 15.96N-98.54W, h1km, MD3.8, Off coast
of Guerrero

Table with columns: Code, Station Name, Azimuth, Elevation, Phase ID, Time, Res, and other parameters. Includes stations like PNIG Pinotepa, PNIG Pinotepa, PNIG Pinotepa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for PBKT, CM31, CMAR, BHDH, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for MKAR, MKAR, MKAR, MKAR, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for MKAR, ATAH, ATAH, LPAZ, etc.

ISCJB 26 14:53:50.6, 0.5, 49.56N, 0.04, 156.06E, 0.09, h54km, mb3.8/12, Error ellipse: s-maj=10.0km s-min=3.6km az=33.4

MOS 26 14:53:50.4, 0.8, 49.52N, 156.09E, h52km, mb4.2/5, Error ellipse: s-maj=16.7km s-min=4.4km az=73.9

IDC 26 14:53:51.6, 0.7, 49.501N, 156.01E, h49km, mb3.3/10, mb1.3/8.1/3, mb1mx3.4/5.3, mbtmp3.7/2, MS2.7/2, Ms1.2/2, ms1mx2.5/2.7, Error ellipse: s-maj=20.6km s-min=14.1km az=136.0

KRSC 26 14:53:52.0, 2.2, 49.69N, 156.70E, h39km, 30km, ML4.5 ISC 26 14:53:52.1, 0.6, 49.54N, 0.07, 156.25E, 0.07, h54km, n75, c=158/93, mb3.6/12, 3C-3D, Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for SKR, SKR, SKR, ALID, ALID, etc.

MEX 26 15:03:04.1, 0.5, 16.00N, 98.77W, h16km, 23km, MD4.0, Off coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for PNIG, PNIG, PNIG.

IDC 26 15:04:31.7, 3.3, 30.39S, 178.51W, h0km, mb3.5/2, mb1.3/8.2, mb1mx3.5/1.9, mbtmp3.5/2, Error ellipse: s-maj=217.7km s-min=52.1km az=168.0, Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for ASAR, WRA, WRA, WRA, etc.

MEX 26 15:12:16.8, 0.5, 15.34N, 93.68W, h17km, 9km, MD3.8, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for CCIG, CCIG, CCIG, etc.

ISCJB 26 15:21:55.9, 0.7, 21.26S, 0.04, 68.8W, 0.1, h118km, 8km, mb3.6/2, Error ellipse: s-maj=15.4km s-min=7.2km az=0.9

IDC 26 15:21:56.9, 1.1, 21.13S, 68.36W, h107km, 12km, mb3.5/3, mb1.3/7.5, mb1mx3.4/2.9, mbtmp4.0/5, Error ellipse: s-maj=34.9km s-min=16.1km az=120.0

GUC 26 15:21:56.1, 0.6, 21.24S, 68.78W, h111km, 4km, ML3.7 ISC 26 15:21:56.0, 0.9, 21.23S, 0.05, 68.69W, 0.09, h109km, 9km, n18, c=158/28, 7C, Chile-Bolivia border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for PB09, PB09, PB09, etc.

ISCJB 26 15:40:01.1, 1.1, 3.38, 93N, 0.04, 142.55E, 0.08, h24km, 6km, Error ellipse: s-maj=10.2km s-min=6.1km az=15.9

JMA 26 15:40:03.3, 0.1, 3.38, 96N, 142.44E, h39km, 2km, M3.4 IDC 26 15:40:04.3, 2.9, 3.9104N, 142.78E, h48km, 27km, mb3.2/2, mb1.3/3.4, mb1mx3.0/4.7, mbtmp3.3/4, ML2.4/2, Error ellipse: s-maj=46.5km s-min=19.1km az=96.0

ISC 26 15:40:02.1, 1.3, 38.98N, 0.05, 142.46E, 0.09, h21km, 4km, n23, c=96/29, Near east coast of Oregon Honshu

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for OFUJ, OFUJ, OFUJ, etc.

SOME 26 15:46:11.4, 39.12N, 74.52E, h5km BUI 26 15:46:12.5, 39.12N, 74.41E, h11km, mb3.9/7, ML3.8/4, Ms3.4/2

KRNET 26 15:46:12.7, 0.1, 39.18N, 74.46E, mb4.1 IDC 26 15:46:12.6, 1.1, 39.03N, 74.49E, h0km, mb3.7/9, mb1.3/9.15, mb1mx3.7/4.3, mbtmp3.8/15, ML3.5/6, MS3.1/7, Ms1.3/1.7, ms1mx2.8/4.9, Error ellipse: s-maj=19.3km s-min=15.4km az=142.0

NNC 26 15:46:14.9, 1.9, 39.23N, 74.41E, h0km, mb4.5, mpv4.3, Error ellipse: s-maj=11.8km s-min=5.3km az=12.0

NEIC 26 15:46:19.5, 0.9, 39.20N, 74.58E, h48km, 17km, mb4.2/2, Error ellipse: s-maj=17.6km s-min=7.7km az=142.0

ISC 26 15:46:14.2, 0.5, 39.26N, 0.03, 74.45E, 0.03, h10km, n116, c=272/145, mb3.8/10, MS3.4/3, Phase ID 2,14,21,20,19,20,19,20,19

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for Code, Station Name, Az, Az', Phase ID, Time, Res.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for PETK, PETK, PETK, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes entries for LPAZ, SIV, SIV, BDFB, etc.

26d 15h

Table with columns: ULHL, Ulahol, 3.28, 24, eP, Pb, 15 47 08.8 -3.8, etc. Lists various stations and their parameters.

2013 FEB

Table with columns: KK31, Karatay Array, 4.85 324, U, Pn, 15 47 31.1 +3.8, etc. Lists stations and their parameters.

1886

Table with columns: RAO, Raoul Island, 8.07 202, ePn, Pn, 15 59 26.8 +1.1, etc. Lists stations and their parameters.

ISCJB 26 15:57:26.4u.2, 1.21:63S:0:05:174:41W:0:04, h15km, 15km, mb5.0/142, MS4.5/23, Error ellipse: s-maj=8.9km s-min=5.4km az=142.8

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MJAR, MAJO, MAT, MJB, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like NJ2, MTPU, MDJ, MDJ, etc.

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SDCO, MSTX, PSI, PSI, etc.

26d 16h

Table of astronomical observations for 26d 16h, listing station names, coordinates, and observation details.

2013 FEB

Table of astronomical observations for 2013 FEB, listing station names, coordinates, and observation details.

1888

Table of astronomical observations for 1888, listing station names, coordinates, and observation details.





26d 17h

Table with columns for call sign, name, frequency, and other details. Includes entries like SOLC Bahia Solano, 658A Bunnell, 658A Bunnell, etc.

2013 FEB

Table with columns for call sign, name, frequency, and other details. Includes entries like Y52A Lilburn, BG3 Lake Jocassee, R58B Mineral, etc.

1890

Table with columns for call sign, name, frequency, and other details. Includes entries like SSPA Burton, P54A Burton, W48A Pulaski, etc.

R44A	Waltonville	26.43 321	P	P	17 13 10.6 +1.1
N47A	Urbana	26.44 329	P	P	17 13 10.0 +0.4
T43A	Greenville	26.46 317	P	P	17 13 10.1 +0.3
H55A	Tweed	26.48 345	P	P	17 13 10.5 +0.5
P45A	Graceland, Par	26.52 324	eP	P	17 13 11.2 +0.9
P45A	Graceland, Par	26.52 324	P	P	17 13 11.6 +1.2
S43A	Fulton Ridge	26.62 318	P	P	17 13 11.7 +0.4
U42A	Reviden	26.66 315	P	P	17 13 12.4 +0.7
L48A	N Adams	26.69 332	P	P	17 13 13.0 +1.1
W41B	Gary Mavity, V	26.74 312	eP	P	17 13 12.8 +0.4
W41B	Gary Mavity, V	26.74 312	P	P	17 13 14.0 +1.6
SFIN	Lafayette	26.78 326	P	P	17 13 14.2 +1.5
X40A	Basin Creek Fa	26.82 310	eP	P	17 13 14.2 +1.1
X40A	Basin Creek Fa	26.82 310	P	P	17 13 14.0 +0.9
Q44A	Meyer Farm, Va	26.82 322	eP	P	17 13 14.1 +1.1
Q44A	Meyer Farm, Va	26.82 322	P	P	17 13 14.2 +1.1
WHAR	Woolly Hollow	26.82 312	eP	P	17 13 13.7 +0.6
T42A	Van Buren	26.95 316	eP	P	17 13 13.7 -0.6
T42A	Van Buren	26.95 316	P	P	17 13 14.9 +0.6
R43A	Red Bud	26.96 320	P	P	17 13 15.4 +1.0
P44A	Sand Creek, Wi	26.97 323	P	P	17 13 15.8 +1.4
N46A	Monticello	26.97 328	P	P	17 13 15.5 +1.1
NATX	Nacogdoches	27.07 303	eP	P	17 13 16.4 +1.0
NATX	Nacogdoches	27.07 303	P	P	17 13 16.6 +1.2
FVM	French Village	27.09 319	eP	P	17 13 16.0 +0.5
FVM	French Village	27.09 319	eP	P	17 13 16.0 +0.5
U41A	Viola	27.12 314	P	P	17 13 16.6 +0.7
M46A	Old House Fiel	27.16 329	P	P	17 13 16.9 +0.8
S42A	Caledonia	27.19 318	P	P	17 13 16.5 +0.1
SADO	Sadowa	27.20 343	eP	P	17 13 17.6 +1.2
SADO	Sadowa	27.20 343	LR	LR	17 25 28.1
K48A	Perry	27.25 334	P	P	17 13 18.1 +1.2
Q43A	New Douglas	27.25 321	P	P	17 13 17.7 +0.8
N45A	Kentland	27.34 327	P	P	17 13 18.8 +1.1
Q44A	Mansfield	27.36 324	P	P	17 13 19.2 +1.3
MIAR	Mount Ida	27.39 309	eP	P	17 13 18.8 +0.6
MIAR	Mount Ida	27.39 309	eP	P	17 13 18.8 +0.6
MIAR	Mount Ida	27.39 309	P	P	17 13 19.5 +1.3
T41A	Mountain View	27.40 316	P	P	17 13 18.6 +0.3
HKT	Hockley	27.43 298	eP	P	17 13 19.1 +0.5
HKT	Hockley	27.43 298	eP	P	17 13 19.1 +0.5
R42A	Luebbering	27.50 319	P	P	17 13 20.0 +0.8
P43A	Skaggs, Pawnee	27.60 322	P	P	17 13 21.1 +1.1
N44A	Piper City	27.63 326	P	P	17 13 20.7 +0.4
CCM	Cathedral Cave	27.65 318	eP	P	17 13 20.6 +0.1
CCM	Cathedral Cave	27.65 318	eP	P	17 13 20.6 +0.1
CCM	Cathedral Cave	27.65 318	P	P	17 13 20.8 +0.3
S41A	Jillico Farms,	27.70 317	P	P	17 13 21.6 +0.6
Q42A	Golden Eagle	27.73 320	P	P	17 13 21.8 +0.5
U40A	Yellville	27.77 313	P	P	17 13 22.1 +0.5
W39A	Magazine	27.84 310	eP	P	17 13 23.3 +1.0
W39A	Magazine	27.84 310	P	P	17 13 23.4 +1.1
R41A	Rosebud	27.88 318	P	P	17 13 22.9 +0.3
ALGO	Altaquain Park	28.01 345	P	P	17 13 23.8 +0.1
ATAH	Atahualpa	28.03 202	P	P	17 13 23.4 -1.1
ATAH	Atahualpa	28.03 202	LR	LR	17 26 15.3
P42A	Winchester	28.05 321	eP	P	17 13 24.1 0.0
P42A	Winchester	28.05 321	P	P	17 13 24.6 +0.6
HDIL	Hopedale	28.09 324	P	P	17 13 24.4 0.0
Q41A	Truxton	28.18 319	P	P	17 13 25.9 +0.6
N43A	Stutzman Famil	28.19 325	P	P	17 13 25.1 -1.1
O42A	Bath	28.29 323	P	P	17 13 24.0 -2.2
HHAR	Hobbs	28.48 312	eP	P	17 13 28.4 +0.4
F51A	Arnstein	28.48 342	P	P	17 13 28.0 +0.1
M43A	Waltham Townsh	28.52 326	P	P	17 13 29.0 +0.7
P41A	Barry Barry	28.53 321	P	P	17 13 28.3 -0.1
N42A	Yates City	28.69 324	P	P	17 13 30.8 +1.1
O41A	Passleys Farm,	28.70 322	P	P	17 13 30.0 +0.1
D54A	Lac Fusel, La	28.84 348	P	P	17 13 31.5 +0.5
D53A	Lac Vacive, Po	28.99 346	P	P	17 13 33.2 +0.9
N41A	Harden Midland	29.07 323	eP	P	17 13 33.6 +0.4
N41A	Harden Midland	29.07 323	P	P	17 13 32.4 -0.8
L42A	Oliver, Polo	29.30 326	eP	P	17 13 34.9 -0.2
L42A	Oliver, Polo	29.30 326	P	P	17 13 34.9 -0.2
N40A	Mertquake, Sal	29.61 322	P	P	17 13 38.2 +0.3
TUL1	Leonard	29.62 310	eP	P	17 13 38.3 +0.1
TUL1	Leonard	29.62 310	P	P	17 13 38.7 +0.5
LNIG	Linares	29.67 287	eP	P	17 13 38.1 -0.6
K42A	Prairie Point,	29.68 327	P	P	17 13 39.2 +0.7
L41A	Preston	29.79 325	P	P	17 13 39.2 -0.4
I43A	Langenfeld Bro	29.91 330	P	P	17 13 41.7 +1.2
M40A	Post Highland	29.91 323	P	P	17 13 39.8 -0.8

VLDQ	Val d'Or	29.92 347	eP	P	17 13 42.6 +2.1
E47A	Iron Bridge	30.01 339	P	P	17 13 40.0 -1.4
K41A	Shullsburg	30.05 326	P	P	17 13 41.7 -0.2
L40A	Anamosa	30.18 324	eP	P	17 13 42.9 -0.1
L40A	Anamosa	30.18 324	P	P	17 13 42.7 -0.2
JFWS	Jewell Farm	30.24 327	eP	P	17 13 44.3 +0.8
JFWS	Jewell Farm	30.24 327	eP	P	17 13 44.3 +0.8
JFWS	Jewell Farm	30.24 327	P	P	17 13 43.9 +0.4
I42A	Loganville	30.28 329	P	P	17 13 44.9 +1.1
M39A	Webster	30.33 322	P	P	17 13 44.3 -0.1
J41A	Loganville	30.44 327	P	P	17 13 45.3 0.0
K40A	Colesburg	30.56 325	P	P	17 13 46.7 +0.3
L39A	Vinton	30.65 324	P	P	17 13 47.1 -0.1
D46A	Sault St. Mari	30.65 338	P	P	17 13 48.3 +1.2
LSQQ	Lebel-sur-Quev	30.72 348	P	P	17 13 48.9 +1.2
J40A	Soldiers Grove	30.84 327	P	P	17 13 49.2 +0.4
I41A	Arkdale	30.87 328	P	P	17 13 50.1 +1.1
JCT	Junction City	30.89 298	eP	P	17 13 49.7 +0.3
JCT	Junction City	30.89 298	eP	P	17 13 49.7 +0.3
JCT	Junction City	30.89 298	P	P	17 13 49.8 +0.3
K39A	Oelwein	30.98 325	P	P	17 13 50.3 +0.3
F43A	Flat Rock, Esc	30.98 334	P	P	17 13 50.8 +0.8
G42A	Mountain	31.07 331	P	P	17 13 51.6 +0.8
E44A	Grand Marais A	31.12 336	P	P	17 13 53.1 +1.9
I40A	Norwalk	31.12 327	P	P	17 13 51.9 +0.6
CHGO	Chibougamau	31.13 352	P	P	17 13 53.2 +1.9
H41A	Junction City	31.17 329	eP	P	17 13 52.5 +0.8
H41A	Junction City	31.17 329	P	P	17 13 52.8 +1.1
SCIA	State Center	31.20 322	P	P	17 13 53.1 +1.0
J39A	Decorah	31.30 326	P	P	17 13 53.9 +1.1
ABTX	Abilene, Hawle	31.34 302	eP	P	17 13 53.4 0.0
ABTX	Abilene, Hawle	31.34 302	eP	P	17 13 54.1 +0.7
WMOK	Wichita Mouna	31.37 306	eP	P	17 13 53.9 +0.3
WMOK	Wichita Mouna	31.37 306	eP	P	17 13 53.9 +0.3
WMOK	Wichita Mouna	31.37 306	P	P	17 13 53.7 0.0
MATQ	Matagami	31.52 348	P	P	17 13 55.9 +1.2
H40A	Chili	31.53 329	P	P	17 13 55.5 +0.6
I39A	Houston	31.56 327	eP	P	17 13 55.8 +0.7
I39A	Houston	31.56 327	P	P	17 13 55.9 +0.7
KSU1	Kansas State U	31.73 315	eP	P	17 13 56.5 -0.2
KSU1	Kansas State U	31.73 315	P	P	17 13 56.5 -0.2
F41A	Three Lakes	31.76 331	P	P	17 13 56.9 0.0
G40A	Rib Lake	31.91 330	eP	P	17 13 59.4 +1.2
G40A	Rib Lake	31.91 330	P	P	17 13 59.1 +0.9
H39A	Augusta	32.02 328	P	P	17 13 60.0 +0.8
COWI	Cowley	32.05 332	eP	P	17 14 00.3 +0.9
NNA	Nana	32.12 196	LR	LR	17 30 08.8
U32A	Winter Ranch,	32.17 309	eP	P	17 14 01.5 +0.8
E41A	Kenton	32.25 332	P	P	17 14 02.7 +1.5
F40A	Park Falls	32.26 331	P	P	17 14 03.2 +1.1
G39A	Holcombe	32.40 329	P	P	17 14 03.4 +0.9
H38A	Maiden Rock	32.52 327	P	P	17 14 04.7 +1.0
D41A	Chassel	32.55 334	P	P	17 14 03.8 0.0
D41A	Chassel	32.55 334	P	P	17 14 03.8 0.0
G38A	Ridgedale	32.65 328	P	P	17 14 04.7 0.0
E40A	Wakefield	32.65 331	P	P	17 14 05.7 +0.9
F39A	Loretta	32.73 330	P	P	17 14 06.0 +0.6
E39A	Mellen	32.90 331	P	P	17 14 08.0 +1.1
SPMN	Marine on St.	33.17 327	eP	P	17 14 09.0 -0.3
SPMN	Marine on St.	33.17 327	P	P	17 14 09.9 +0.7
F38A	Pierce - Schro	33.23 329	P	P	17 14 10.4 +0.6
F37A	Hinrichs Farm,	33.43 328	P	P	17 14 12.5 +1.0
C40A	Isle Royale Na	34.47 334	eP	P	17 14 12.5 +0.7
C40A	Isle Royale Na	34.47 334	P	P	17 14 13.3 +1.5
E38A	The Farm, Brul	33.54 330	eP	P	17 14 12.8 +0.3
E38A	The Farm, Brul	33.54 330	P	P	17 14 13.5 +1.1
AMTX	Amarillo	33.66 305	eP	P	17 14 13.7 -0.1
AMTX	Amarillo	33.66 305	P	P	17 14 14.0 +0.2
CBKS	Cedar Bluff	33.74 312	eP	P	17 14 15.2 +0.9
CBKS	Cedar Bluff	33.74 312	eP	P	17 14 15.2 +0.9
CBKS	Cedar Bluff	33.74 312	P	P	17 14 14.3 0.0
BGNE	Belgrade	33.93 317	eP	P	17 14 15.9 -0.1
BGNE	Belgrade	33.93 317	P	P	17 14 16.1 +0.1
TXAR	Lajitas Array	33.94 294	P	P	17 14 17.1 +0.8
TX31	Lajitas Ar. Si	33.94 294	eP	P	17 14 16.9 +0.6
MSTX	Muleshoe	34.24 303	P	P	17 14 18.8 0.0
MSTX	Muleshoe	34.24 303	P	P	17 14 18.9 0.0
ECSD	EROS Data Cent	34.30 322	eP	P	17 14 18.9 -0.2
ECSD	EROS Data Cent	34.30 322	P	P	17 14 19.5 +0.4
EYMN	Ely	34.50 332	eP	P	17 14 21.4 +0.6
EYMN	Ely	34.50 332	P	P	17 14 21.4 +0.6
LPAZ	La Paz	35.19 180	eP	P	17 14 27.5 -0.2
LPAZ	La Paz	35.19 180	eP	P	17 14 27.5 -0.2

LPAZ	La Paz	35.19 180	P	P	17 14 28.1 +0.4
SIV	San Ignacio	35.56 168	LR	LR	17 30 49.2
SCHO	Schefferville	35.66 1 39	P	P	17 14 31.1 +0.5
SCHO	Schefferville	35.66 1 39	P	P	17 14 31.2 +0.5
SCHO	Schefferville	35.66 1 39	LR	LR	17 27 35.3
MNTX	Cornudas Mount	35.82 298	eP	P	17 14 32.7 +0.3
MNTX	Cornudas Mount	35.82 298	P	P	17 14 33.0 +0.6
OGNE	Ogallala	36.27 314	P	P	17 14 35.8 -0.4
T25A	Trinidad	36.49 307	eP	P	17 14 38.9 +0.6
T25A	Trinidad	36.49 307	P	P	17 14 39.5 +1.2
AGMN	Agassiz Nation	36.81 329	eP	P	17 14 40.5 -0.1
AGMN	Agassiz Nation	36.81 329	P	P	17 14 40.6 +0.1
BNN	Barren Site	37.37 302	eP	P	17 14 46.7 +0.9
ANMO	Albuquerque	37.43 303	eP	P	17 14 46.9 +0.6
ANMO	Albuquerque	37.43 303	eP	P	17 14 47.7 +1.4
ANMO	Albuquerque	37.43 303	P	P	17 14 45.6 -0.7
ANMO	Albuquerque	37.43 303	LR	LR	17 31 26.3
SDCO	Great Sand Dun	37.51 308	eP	P	17 14 47.8 +0.8
SDCO	Great Sand Dun	37.51 308	P	P	17 14 47.6 +0.6
LENM	Lemitar	37.66 301	eP	P	17 14 48.9 +0.6
Q24A	Divide	37.66 310	eP	P	17 14 49.1 +0.7
Q24A	Divide	37.66 310	P	P	17 14 47.6 -0.8
121A	Cookes Peak, D	37.68 299	P	P	17 14 52.0 +1.0
ULM	Lac du Bonnet	38.16 331	eP	P	17 14 51.2 -0.8
ULM	Lac du Bonnet	38.16 331	eP	P	17 14 51.2 -0.8
ULM	Lac du Bonnet	38.16 331	P	P	17 14 51.

26d 17h

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like PDAR, BW06, TMUT, U15A, etc.

2013 FEB

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like FRTB, SJMB, MURC, CPUP, etc.

1892

Table with columns: Station, Name, Frequency, Power, Modulation, and other technical details. Includes stations like PAB, PAB, ESDC, ESLSA, etc.



26d 18h

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like KSRS Korea Array, KS01 Wunu Array, and various other frequencies.

2013 FEB

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like MKAR Makanchi Array, MAKZ Makanchi, and various other frequencies.

1894

Table with columns: Station, Name, Frequency, Power, Mode, and other technical details. Includes stations like CLL Collm, WRA Warrunganga Arr, and various other frequencies.

ellipse: s-maj=23.3km s-min=17.7km az=48.0  
 ISCJB 26 19:25:38.0.6, 23.9S.0.1, 179.9W.0.2, h519km  
 mb3.9/2, Error ellipse: s-maj=20.1km s-min=13.8km  
 az=27.5

ISC 26 19:25:39.0.7, 23.9S.0.1, 179.8W.0.2, h518km, n15, e=13/15, mb3.7/12, South of Fiji Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
URZ	Urewera	14.55	190	Op	18 28 42.4	-2.4
RPZ	Rata Peaks	21.14	199	P	18 29 48.2	+0.7
STKA	Stevens Creek	34.87	248	P	18 31 47.8	+0.5
ASAR	Alice Springs	42.19	261	P	18 32 46.8	-0.1
WRA	Warramunga Arr	42.56	266	P	18 32 49.3	-0.6
VNDA	Vanda	54.40	185	P	18 34 18.2	+1.1
QSPA	South Pole Qui	66.19	180	P	18 35 36.3	+0.8
PETK	Petrovskovsk	79.13	346	P	18 36 48.6	-1.4
NVAR	Niwa Array Bea	84.64	44	P	18 37 20.3	+1.5
CMAR	Chiang Mai Arr	89.67	200	P	18 37 43.7	+1.1
TXAR	Lajitas Array	90.30	58	P	18 37 45.8	+0.3
ILAR	Eielson Array	91.95	13	P	18 37 51.7	-0.6
PDAR	Pinedale Array	92.58	44	P	18 37 54.9	-0.9
BRTR	Keskin Array B	147.90	307	PKPbc	18 44 27.8	+0.1
TORD	Torodi Ar. Bea	169.21	188	PKPab	18 46 03.4	-0.1

MEX 26 19:09:59.0.3, 16.76N, 100.36W, h1km, 4km, MD3.6, Near coast of Guerrero

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
CAIG	Ei Cayaco	0.30	17	Op	18 59 15.1	-0.2
AC2P	Acapulco	0.46	76	P	18 59 18.0	+0.4
ARIG	Puente Sto Nin	1.51	0	eS	18 59 24.9	+0.5
PLIG	Platanillo	1.82	27	eP	18 59 38.8	-3.2

ISC 26 19:03:01.7, 2.4, 6.21S, 130.05E, h0km, mb3.5/1, mb1 3.4/4, mb1mx3.3/4, mbtm3.3/4, ML2.9/3, Error ellipse: s-maj=106.3km s-min=29.2km az=77.0, Banda Sea

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
FITZ	Fitzroy Crossi	12.58	200	Pn	19 06 04.0	+1.9
WRA	Warramunga Arr	14.28	163	Pn	19 06 24.9	-0.4
ASAR	Alice Springs	17.75	168	P	19 07 09.4	-1.0
MKAR	Makanchi Array	67.59	327	P	19 14 00.2	0.0

MEX 26 19:09:18.0.0.7, 16.86N, 100.36W, h1km, 4km, MD3.6, Near coast of Guerrero

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
CAIG	Ei Cayaco	0.21	26	Op	19 09 21.8	-0.7
AC2P	Acapulco	0.46	88	P	19 09 26.7	-0.2
MEIG	Mezcala	1.28	34	eS	19 09 37.6	-4.2
ARIG	Puente Sto Nin	1.41	1	eP	19 09 40.6	-3.1
PLIG	Platanillo	1.73	28	eP	19 09 44.2	-3.9

NIED 26 19:12:00.36, 60N, 143.90E, h3km, Mw3.5 Best double couple: M2.25000, 1014 NP1.0, 10.00000, 827.00000, λ-102.00000, NP2.0, 204.00000, 864.00000, λ-84.00000

ISC 26 19:12:42.3.3, 36.58N, 144.21E, h0km, mb3.3/3, mb1 3.6/5, mb1mx3.4/4, mbtm3.4/5, ML3.2/2, MS2.5/2, Ms1 2.5/2, ms1mx2.2/2, Error ellipse: s-maj=75.3km s-min=30.7km az=163.0

ISCJB 26 19:12:45.0.0.8, 36.63N, 144.00E, h33km, mb3.4/3, Error ellipse: s-maj=7.9km s-min=6.0km az=139.7

JMA 26 19:12:45.8.0.2, 36.59N, 143.95E, h56km, M3.9

ISC 26 19:12:46.7.1.3, 36.63N, 144.04E, h35km, n21, e=14/27, mb3.4/3, Off east coast of Honshu

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
JFK	Kawauchi	2.64	287	Op	19 13 26.2	-0.5
JFK	Kawauchi	2.64	287	eS	19 13 56.1	-1.4
ONAJ	Iwakimizuishiy	2.64	281	P	19 13 26.3	-0.5
JIKH	Ishinomakikobu	2.65	310	P	19 13 26.6	-0.2
JIKH	Ishinomakikobu	2.65	310	eS	19 13 56.5	-1.1
CHOU	Hochi	2.73	251	Op	19 13 27.2	-0.8
JHYU	Hitachinakyam	2.80	265	P	19 13 28.3	-0.6
JHYU	Hitachinakyam	2.80	265	eS	19 13 59.3	-2.1
JFT	Otama	3.09	288	Op	19 14 08.7	0.0
BSO1	Boso 1	3.18	233	P	19 13 26.1	-1.1
JMK	Ichinoseki	3.22	317	P	19 14 11.5	-0.2
JOM	Ohasama	3.57	323	P	19 13 39.8	+0.3
JOM	Ohasama	3.57	323	eS	19 14 19.3	-1.2
JAG	Ashikaga	3.70	268	P	19 14 11.1	-0.2
JRY	Ryogama san	4.19	263	P	19 13 47.5	-0.6
JRY	Ryogama san	4.19	263	eS	19 14 33.6	-2.3
JOD2	Odawara 2	4.24	253	P	19 13 48.2	-0.6
JOD2	Odawara 2	4.24	253	eS	19 14 34.7	-2.4
MJAR	Matsushiro Arr	4.69	271	Pn	19 13 55.9	+0.9
MJAR	Matsushiro Arr	4.69	271	Sn	19 14 49.8	+1.6
JKB	Kayabe	5.74	337	P	19 14 10.0	+0.6
JCH	Churui	6.00	355	P	19 14 11.5	-1.4
ASAJ	Ashikawa	7.56	352	P	19 14 34.5	+0.2
ASAJ	Ashikawa	7.56	352	Sn	19 15 54.3	-4.4
USR	Utsuriy Ar.	11.88	313	LR	19 20 44.4	
KSR	Korea Arr	12.90	278	LR	19 20 37.5	
MKAR	Makanchi Array	46.11	303	P	19 21 09.1	+1.8
ILAR	Eielson Array	48.71	32	P	19 21 27.5	+0.2
YKA	Yellowknife Ar	63.09	31	P	19 23 11.3	+1.2

ISCJB 26 19:18:19.6.0.7, 12.53N, 0.09, 144.3E, 0.2, h30km, s-min=8.8km az=23.9

ISC 26 19:18:23.5.1.6, 12.62N, 144.59E, h56km, 20km, mb3.4/7, mb1 3.7/7, mb1mx3.4/4, mbtm3.7/7, MS3.2/5, Ms1 3.2/5, ms1mx2.9/23, Error ellipse: s-maj=36.7km s-min=16.3km az=90.0

ISC 26 19:18:20.9.0.9, 12.62N, 0.1, 144.5E, 0.2, h30km, n17, e=07/9, mb3.7/7, MS3.0/5, South of Mariana Islands

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
GUMO	Guam	1.08	20	Op	19 18 41.6	+0.5

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
GUMO	Guam	1.08	20	Op	19 18 41.6	+0.5
H1S3	WAKE ISLAND Hy	22.18	72	T	19 46 22.9	
H1S1	WAKE ISLAND Hy	22.19	72	T	19 46 20.2	
H1S2	WAKE ISLAND Hy	22.19	72	T	19 46 24.1	
H1N1	WAKE ISLAND Hy	22.65	69	T	19 46 58.1	
H1N2	WAKE ISLAND Hy	22.66	69	T	19 46 59.7	
H1N3	WAKE ISLAND Hy	22.67	69	T	19 46 56.5	
JNU	Nakatsue	23.95	331	LR	19 31 14.4	
MJAR	Matsushiro Arr	24.53	348	LR	19 32 02.5	
KSR	Korea Arr	28.88	332	LR	19 36 31.6	
WRA	Warramunga Arr	33.81	197	P	19 25 01.1	+0.4
ASAR	Alice Springs	37.47	166	P	19 25 32.8	+0.7
CMAR	Chiang Mai Arr	41.19	284	P	19 26 27.4	-0.2
CMAR	Chiang Mai Arr	41.19	284	LR	19 42 33.4	
STKA	Stevens Creek	44.28	184	P	19 26 27.9	-0.1
SONM	Songino Array	47.35	326	P	19 26 53.0	+0.7
SONM	Songino Array	47.35	326	LR	19 47 29.3	
MKAR	Makanchi Array	61.97	316	P	19 28 37.6	-0.6
YKA	Yellowknife Ar	83.93	27	P	19 30 46.6	-1.3

NEIC 26 19:24:56.4.0.0, 19.21N, 67.98W, h84km, MD3.2(RSPR), After RSPR

RSPR 26 19:24:56.4, 19.21N, 67.98W, h84km, 7km, MD3.2/13, 6C-6D, Mona Passage

Code	Station Name	Δ°	AZ°	Phase ID	Time	Res
					h m s	ISC
IDE	Isla Descecho	0.95	150f	eP	19 25 10.7	-4.5
IDE	Isla Descecho	0.95	150	eS	19 25 28.8	-0.4
AGPR	Aguadilla, PR	1.11	132f	eP	19 25 16.1	-0.9
AGPR	Aguadilla, PR	1.11	132f	eS	19 25 16.1	-0.9
AGP	Aguadilla	1.13	135	ePn	19 25 14.5	-2.8
AGP	Aguadilla	1.13	135	eSn	19 25 31.2	-1.8
MPR	Mayaguez	1.27	141	ePn	19 25 17.3	-1.8
MPR	Mayaguez	1.27	141	eSn	19 25 35.2	-0.9
LSP	Las Mesas	1.33	140f	eP	19 25 37.6	+0.1
LSP	Las Mesas	1.33	140	eS	19 25 19.3	-0.6
LSP	Las Mesas	1.33	140	ePn	19 25 37.6	+0.1
DR12	Loma Pena Alta	1.39	253f	eP	19 25 19.6	-1.0
DR12	Loma Pena Alta	1.39	253	eS	19 25 38.9	-0.0
DR12	Loma Pena Alta	1.39	253	ePn	19 25 19.6	-1.0
EMPR	Esperanza - Ma	1.56	118f	eP	19 25 22.7	0.0
EMPR	Esperanza - Ma	1.56	118	eS	19 25 42.7	+0.2
EMPR	Esperanza - Ma	1.56	118	ePn	19 25 22.7	0.0
EMPR	Esperanza - Ma	1.56	118	eSn	19 25 42.7	+0.2
CELP	Cerrillos	1.74	130f	eP	19 25 24.9	-0.3
CELP	Cerrillos	1.74	130	eS	19 25 47.7	+0.8
CELP	Cerrillos	1.74	130	ePn	19 25 24.9	-0.3
CELP	Cerrillos	1.74	130	eSn	19 25 47.7	+0.8
OBIP	Obispado Ponce	1.75	131f	eP	19 25 24.3	-0.8
OBIP	Obispado Ponce	1.75	131	eS	19 25 46.1	-0.2
OBIP	Obispado Ponce	1.75	131	ePn	19 25 24.3	-0.8
OBIP	Obispado Ponce	1.75	131	eSn	19 25 46.1	-0.2
SDD	Santo Domingo	1.98	248	ePn	19 25 28.1	-0.1
SDD	Santo Domingo	1.98	248	eS	19 25 48.7	-3.6
SJG	San Juan	2.05	122f	eP	19 25 28.4	+0.3
SJG	San Juan	2.05	122	eS	19 25 44.4	+0.3
SJG	San Juan	2.05	122	ePn	19 25 28.4	+0.3
SJG	San Juan	2.05	122	eSn	19 25 44.4	+0.3
CBYP	Canovanas	2.22	115f	eP	19 25 30.5	-0.9
CBYP	Canovanas	2.22	115	eS	19 25 50.4	-1.1
CBYP	Canovanas	2.22	115	ePn	19 25 30.5	-0.9
CBYP	Canovanas	2.22	115	eSn	19 25 50.4	-1.1
HUMP	Col San Antoni	2.28	117	ePn	19 25 31.3	-0.9
BANI	BANI	2.39	251	ePn	19 25 33.0	-0.9
MTP	Monte Pirata	2.56	115f	eP	19 25 35.5	-0.4
MTP	Monte Pirata	2.56	115	eS	19 25 55.1	-2.9
MTP	Monte Pirata	2.56	115	ePn	19 25 35.5	-0.4
MTP	Monte Pirata	2.56	115	eSn	19 25 55.1	-2.9
CUPR	Culebra, Puert	2.71	109f	eP	19 25 36.8	-1.1
CUPR	Culebra, Puert	2.71	109	eS	19 26 11.1	+1.2
CUPR	Culebra, Puert	2.71	109	ePn	19 25 36.8	-1.1
CUPR	Culebra, Puert	2.71	109	eSn	19 26 11.1	+1.2
STVI						



26d 19h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like TWVZ Taurewa, RAR Rarotonga, NGZ Ngauruhoe, etc.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like KWAJ Kwajalein Atol, KWAU Kwajalein Atol, TOO Toolangi, etc.

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Table with columns: Call Sign, Name, Frequency, Power, Mode, and other technical details. Includes stations like FAKI Fak Fak, FITZ Fitzroy Crossi, NLAI Namlea, etc.

TATO	comp=Z,170nm,0.9s	73.75 306 eP	P	20 08 27.9	-0.3
ASAJ	Ashikawa comp=Z,223nm,0.9s	74.00 332 P	P	20 08 31.1	+1.9
NIKH	Nikhil High comp=Z,150nm,0.6s,baz=215,slow=5.1,SNR=41	70.66 7 eP	P	20 08 32.2	-0.4
UNV	Unalaska Valle comp=Z,185nm,0.9s	75.79 8 eP	P	20 08 38.0	-0.9
OZH	Quanzhou	75.94 304 i/P	P	20 08 41.0	+0.6
OZH			S	20 17 36.5	+0.9
YSS	comp=Z,120nm,0.8s	76.22 334 eP	P	20 08 41.2	-0.2
YSS	Yuzh-Sakhalins comp=Z,113nm,1.2s	76.22 334 eP	P	20 08 42.8	+1.4
TJN	comp=Z,60nm,1.2s	76.47 318 eP	P	20 08 44.8	+1.8
PET	Petrovlovsk comp=Z,97nm,1.3s	76.60 347 eP	P	20 08 42.6	-0.7
PET	Petrovlovsk	76.60 347 eP	P	20 08 43.7	+0.4
PET			S	20 17 39.2	-2.2
PET			eSS	20 08 45.4	+0.3
PET			SSS	20 26 18.6	
PET			eSSS		
PET	comp=Z,64nm,1.2s		MLR		
PET	comp=Z,300nm,24.0s		MLR		
KSRS	Korea Array comp=Z,23nm,1.0s,baz=142,slow=6.3,SNR=53	76.82 319 P	P	20 08 46.0	+1.1
KS15	Wonju Array Si	76.83 319 eP	P	20 08 45.4	+0.4
KSAR	Wonju Array Be	76.83 319 eP	P	20 08 46.0	+1.0
KS01	Wonju Array Si	76.83 319 eP	P	20 08 45.4	+0.3
PEA0B	Petrovlovsk- comp=Z,219nm,1.4s	76.89 346 eP	P	20 08 44.1	-0.9
PETK	Petrovlovsk- comp=Z,219nm,1.4s	76.89 346 eP	P	20 08 44.7	-0.2
PETK	Petrovlovsk- comp=Z,219nm,1.4s	76.89 346 eP	P	20 08 44.9	-0.1
PEA1	Petrovlovsk- comp=Z,219nm,1.4s	76.89 346 eP	P	20 08 44.9	-0.1
VLA	Vladivostok	78.38 326 i/P	P	20 08 54.9	+1.7
VLA			P		
MSHR	Mys Shulsta	78.39 325 eP	P	20 08 55.3	+2.0
MYKOM	Kota Tinggi	78.45 277 eP	P	20 08 54.8	+0.5
SNCC	San Nicolas Is	78.77 48 eP	P	20 08 57.1	+1.6
SNCC	San Nicolas Is	78.77 48 eP	P	20 08 57.1	+1.6
USA0B	Ussuriysk Arra comp=Z,120nm,1.1s	79.08 327 eP	P	20 08 58.0	+1.1
USRK	Ussuriysk Ar comp=Z,83nm,1.1s,baz=122,slow=6.8,SNR=45	79.08 327 P	P	20 08 58.3	+1.4
SCZ2	Santa Cruz Isl baz=235	79.12 47 P	P	20 08 58.7	+1.3
SC12	San Clemente I baz=236	79.29 48 P	P	20 08 59.8	+1.5
SBC	Santa Barbara baz=235	79.32 46 P	P	20 09 00.0	+1.6
TYV	Tymovskoe	79.42 337 eP	P	20 08 59.2	+0.7
TYV			P		
CHGN	Chignik	79.43 12 eP	P	20 08 58.6	+0.2
PKM	McPherson Peak baz=235	79.51 46 P	P	20 09 01.3	+1.6
SAO	San Andreas Ge comp=Z,22nm,0.9s	79.54 44 eP	P	20 09 01.0	+1.5
SAO	San Andreas Ge	79.54 44 eP	P	20 09 01.0	+1.5
SAO			P		
BLG	comp=Z,23nm,0.9s	79.57 47 P	P	20 09 01.6	+1.8
BLG	Laguna Peak, P baz=235	79.57 47 P	P	20 09 01.6	+1.8
NJ2	Nanjing	79.57 310 i/P	P	20 09 01.0	+1.3
NJ2			P		
CIMS	Catalina Islan baz=236	79.62 48 P	P	20 09 01.6	+1.6
SMMC	Simmler baz=234	79.63 46 P	P	20 09 01.7	+1.6
HOPM	Hopland Field comp=Z,76nm,0.9s	79.87 41 eP	P	20 09 01.9	+0.8
FMP	Fort Macarthur baz=236	79.88 48 P	P	20 09 02.6	+1.3
GDXM	Geyzers	79.92 41 eP	P	20 09 03.1	+1.6
KOCP	Cahto Peak comp=Z,16nm,0.8s	79.99 40 eP	P	20 09 03.9	+2.0
KOCP	Osito Audit: C comp=Z,25nm,0.9s	80.09 47 eP	P	20 09 03.7	+1.3
OSI	Osito Audit: C baz=235	80.09 47 P	P	20 09 03.7	+1.3
DECC	Green Verdugo baz=236	80.15 47 P	P	20 09 04.3	+1.5
QIZ	Qiongzong	80.16 295 eP	P	20 09 04.2	+1.1
PASC	Pasadena Art comp=Z,67nm,1.7s	80.21 47 eP	P	20 09 04.3	+1.2
KMRM	Mali Ridge comp=Z,15nm,0.8s	80.25 40 eP	P	20 09 04.9	+1.7
109C	Camp Elliot, M baz=237	80.25 49 P	P	20 09 04.4	+1.2
CPE	Camp Elliot comp=Z,25nm,1.0s	80.25 49 eP	P	20 09 04.3	+1.0
MAW	Mawson comp=Z,28nm,1.6s	80.27 200 eP	P	20 09 03.4	+0.6
MAW	Mawson	80.27 200 eP	P	20 09 03.4	+0.6
MAW			P		
MAW	Mawson comp=Z,28nm,1.6s	80.27 200 P	P	20 09 03.1	+0.3
ARVC	Arvin comp=Z,77nm,1.1s,baz=138,slow=7.2,SNR=6.9	80.31 46 P	P	20 09 04.6	+1.1
MWC	Mount Wilson baz=235	80.32 47 eP	P	20 09 04.5	+0.7
MWC	Mount Wilson	80.32 47 eP	P	20 09 04.6	+0.7
MWC			P		
JCC	Jacoby Creek, comp=Z,139nm,1.4s	80.43 39 eP	P	20 09 05.5	+1.5
BAR	Barrett comp=Z,16nm,1.1s	80.44 49 eP	P	20 09 05.4	+1.1
BKNI	Bangkinang comp=Z,78nm,0.9s	80.51 274 eP	P	20 09 05.1	0.0
VES	Vestal, Richg baz=235,SNR=7.3	80.54 46 P	P	20 09 05.7	+1.0
MURC	Murrieta baz=236	80.58 48 P	P	20 09 06.1	+1.1
BFSC	Mount Baldy Ra baz=236,SNR=6.0	80.61 48 P	P	20 09 06.1	+0.8
MDJ	Mudanjiang	80.62 326 P	P	20 09 05.8	+0.9
MDJ			P		
MDJ	comp=Z,64nm,1.0s		P		
MDJ	comp=Z,200nm,2.7s	80.62 326 eP	P	20 09 06.0	+1.1
KHMM	Horse Mountain comp=Z,57nm,0.9s	80.64 39 eP	P	20 09 06.9	+1.6
MONP2	Monument Peak baz=237,SNR=28	80.73 49 P	P	20 09 07.4	+1.3
EDW2	Edwards Air Fo baz=236,SNR=34	80.74 47 P	P	20 09 07.0	+1.2
O02D	Mt. Diablo Mer baz=232,SNR=26	80.77 40 P	P	20 09 07.9	+2.0
IKP	In-Ko-Pah, Jac baz=237,SNR=10.0	80.82 50 P	P	20 09 07.7	+1.4
ISA	Isabella, Lake comp=Z,38nm,0.9s	80.85 46 eP	P	20 09 06.9	+0.5
ISA	Isabella, Lake	80.85 46 eP	P	20 09 06.9	+0.5
ISA			P		
ISA	comp=Z,38nm,0.9s	80.85 46 eP	P	20 09 07.8	+1.3
PMSA	Palmer Station comp=Z,34nm,0.6s,baz=209,slow=2.8,SNR=7.6	80.89 157 P	P	20 09 05.5	-0.5
KRMB	Red Mountain comp=Z,25nm,0.9s	80.94 39 eP	P	20 09 08.3	+1.5
SRIG	Santa Rosalia comp=Z,238nm,0.4s	80.95 56 eP	P	20 09 08.2	+1.2
CMB	Columbia Colle comp=Z,28nm,0.9s	80.97 43 eP	P	20 09 07.6	+0.7
CMB	Columbia Colle	80.97 43 eP	P	20 09 07.6	+0.7
CMB			P		
PFO	Pinyon Flats O comp=Z,19nm,0.8s	81.09 49 eP	P	20 09 07.8	0.0

PFO	Pinyon Flats O	81.09 49 eP	P	20 09 07.8	0.0
PFO			P		
PFO	comp=Z,10nm,0.8s	81.09 49 P	P	20 09 09.0	+1.2
PFO	Pinyon Flats O	81.09 49 P	P	20 09 08.2	+0.5
PFO	Pinyon Flats O	81.09 49 P	P	20 09 08.2	+0.5
XPFO	Pion Flat comp=Z,112nm,0.9s	81.16 42 eP	P	20 09 08.1	+0.3
AFDM	Forest Hills D	81.14 42 eP	P	20 09 08.6	+0.9
WDC	Whiskeytown Da comp=Z,48nm,0.9s	81.17 40 eP	P	20 09 08.4	+0.6
WDC	Whiskeytown Da	81.17 40 eP	P	20 09 08.4	+0.6
WDC			P		
ORV	Oroville comp=Z,32nm,0.9s	81.17 41 eP	P	20 09 08.5	+0.6
ORV	Oroville	81.17 41 eP	P	20 09 08.5	+0.6
ORV			P		
SWSC	Sam W. Stewart baz=237,SNR=7.8	81.20 50 P	P	20 09 09.2	+1.0
LRMC	Laurel Mtn Rad baz=236,SNR=13	81.28 47 P	P	20 09 09.8	+1.1
N02D	Trinity Center baz=232,SNR=22	81.31 40 P	P	20 09 10.6	+1.9
O03E	Paynes Crater baz=232,SNR=13	81.44 41 P	P	20 09 10.3	+0.9
M02C	Callahan baz=232,SNR=31	81.48 39 P	P	20 09 11.6	+2.1
L02E	Cave Junction comp=Z,24nm,0.8s	81.52 38 P	P	20 09 11.4	+1.8
CWC	Cottonwood Cre baz=236	81.55 46 P	P	20 09 11.3	+1.1
KEBM	Edson Butte comp=Z,77nm,1.1s	81.55 37 eP	P	20 09 12.1	+2.3
MDPB	Devils Postpil comp=Z,30nm,0.9s	81.58 44 eP	P	20 09 11.7	+1.3
DL2	Dalian	81.61 317 P	P	20 09 11.5	+1.4
DL2			P	20 11 24.5	+3.6
DL2			P	20 18 35.5	+2.0
OMMB	Old Mammoth M comp=Z,15nm,0.8s	81.62 44 eP	P	20 09 11.5	+0.9
BELO	Bel Mtn, Jos baz=237,SNR=9.6	81.63 49 P	P	20 09 11.6	+1.1
RUBR	Rubicon Trail comp=Z,66nm,0.9s	81.71 42 eP	P	20 09 11.0	0.0
MLAC	Mammoth, Mammo baz=232,SNR=13	81.73 44 P	P	20 09 12.3	+1.2
MPMC	Manual Prospec baz=236,SNR=32	81.78 39 eP	P	20 09 12.1	+1.0
YBH	Yreka Blue Hor comp=Z,10nm,0.8s	81.78 39 P	P	20 09 12.3	+1.3
YBH	Yreka Blue Hor comp=Z,33nm,0.8s,baz=177,slow=2.0,SNR=77	81.78 39 P	P	20 09 12.8	+1.8
GSC	Goldstone, Bar comp=Z,24nm,0.8s	81.78 47 eP	P	20 09 11.9	+0.7
GSC	Goldstone, Bar baz=236,SNR=18	81.78 47 P	P	20 09 12.1	+0.9
DAC	Darwin (Calif) comp=Z,17nm,0.8s	81.79 46 eP	P	20 09 11.9	+0.6
TIN	Tinemaha, Big baz=235	81.80 45 P	P	20 09 12.4	+1.1
GRNR	Gornyy	81.81 333 eP	P	20 09 12.4	+1.6
GRNR			P		
GRNR	comp=N,25nm,1.0s		P		
K02D	Williamette Mer baz=231,SNR=6.1	81.82 38 P	P	20 09 12.8	+1.6
BC3	Big Chucackawall baz=238,SNR=8.2	81.83 49 P	P	20 09 13.0	+1.5
HEC	Hector,Ludlow baz=237,SNR=9.9	81.84 48 P	P	20 09 12.7	+1.2
WAKR	Walker, comp=Z,39nm,0.8s	81.85 43 eP	P	20 09 12.9	+1.3
GLA	Glamis comp=Z,54nm,0.8s	81.95 50 eP	P	20 09 11.8	-0.3
GLA	Glamis	81.95 50 eP	P	20 09 11.8	-0.3
GLA			P		
GLA	comp=Z,54nm,0.8s	81.95 50 P	P	20 09 13.8	+1.7
J01E	Myrtle Point baz=231,SNR=7.0	81.97 37 P	P	20 09 13.5	+1.7
NKL	Nikolayevsk comp=Z,100nm,1.3s	81.99 337 eP	P	20 09 11.0	-0.6
NKL			P		
KDAK	Kodiak Island comp=Z,281nm,1.6s	82.02 14 eP	P	20 09 11.9	+0.2
KDAK	Kodiak Island	82.02 14 eP	P	20 09 11.9	+0.2
KDAK			P		
KDAK	comp=Z,281nm,1.6s	82.02 14 P	P	20 09 12.1	+0.4
WHN	Wuhan comp=Z,211nm,0.9s,baz=192,slow=7.4,SNR=4.4	82.05 307 i/P	P	20 09 13.5	+1.0
IPM	Iloilo comp=Z,133nm,0.8s	82.07 278 eP	P	20 09 12.8	-0.3
PNTR	Pine Nut comp=Z,98nm,0.8s	82.09 43 eP	P	20 09 13.7	+0.9
SNY	Shenyang	82.17 321 i/P	P	20 09 13.3	+0.4
SNY			P		
HUMO	Hull Mountain comp=Z,49nm,0.9s	82.17 38 eP	P	20 09 14.2	+1.2
YCCR	Virginia City comp=Z,27nm,0.9s	82.17 43 eP	P	20 09 13.8	+0.5
YCCR	Yerikon comp=Z,43nm,0.8s	82.25 48 P	P	20 09 14.4	+0.8
GMRC	Granite Mounta baz=237,SNR=15	82.29 48 P	P	20 09 15.1	+1.2
IRM	Iron Mountain baz=238,SNR=5.5	82.31 49 P	P	20 09 15.2	+1.3
L04D	Klamath Falls baz=232,SNR=22	82.31 39 P	P	20 09 15.2	+1.4
M04C	Macdoel baz=232,SNR=13	82.32 39 P	P	20 09 15.2	+1.3
CN2	Changchun	82.33 323 i/P	P	20 09 14.5	+0.9
CN2			P	20 18 43.5	+3.0
CN2			P		
CN2	comp=Z,90nm,1.2s		P		
CN2	comp=Z,200nm,3.0s		P		
GRAC	Grapevine Rang baz=236	82.34 45 P	P	20 09 15.2	+1.2
FURC	Furnace Creek, baz=236,SNR=12	82.38 46 P	P	20 09 15.2	+1.2
TUQ	Turquoise Mount baz=237	82.45 47 P	P	20 09 15.8	+1.1
SHOC	Shoshone, Teco baz=237	82.47 47 P	P	20 09 15.7	+1.2
RYN	Ryan comp=Z,16nm,0.9s	82.51 44 eP	P	20 09 15.7	+0.8
Y12C	Blythe comp=Z,28nm,0.8s	82.53 49 eP	P	20 09 16.5	+1.6
Y12C	Blythe	82.53 49 P	P	20 09 16.4	+1.6
NV01	Mina Array Sit baz=238,SNR=11	82.53 44 eP	P	20 09 15.2	+0.1
NVAR	Mina Array Bea comp=Z,37nm,0.9s,baz=223,slow=8.4,SNR=101	82.53 44 eP	P	20 09 16.2	+1.1
NVAR			P	20 11 27.9	+2.7
NVAR	comp=Z,2.0nm,0.8s,baz=234,slow=7.7,SNR=2.5		P	20 12 33.4	-2.9
NVAR	comp=Z,2.5nm,0.8s,baz=225,slow=6.8,SNR=2.9		P	20 27 38.0	+1.1
113A	Mohawk Valley, comp=Z,29nm,1.0s	82.56 51 eP	P	20 09 17.3	+2.2
PAHR	Pat Rah Range comp=Z,41nm,0.9s	82.58 42 eP	P	20 09 15.9	+0.7
I02D	Swisshome baz=231	82.61 37 P	P	20	

26d 19h

Table with columns for station ID, name, frequency, power, and coordinates. Includes stations like F07A Phinny Hill Vi, HPICU Pink Cliffs, GYA Glacier Island, etc.

2013 FEB

Table with columns for station ID, name, frequency, power, and coordinates. Includes stations like ZEA comp=Z.60nm,1.2s, ZEA comp=E.900nm,7.0s, RND Reindeer, etc.

1898

Table with columns for station ID, name, frequency, power, and coordinates. Includes stations like CHTO Chiang Mai, MCMT McKenzie Canyon, AHID Auburn Hatcher, etc.

1899

Table with columns for station name, frequency, power, and other technical details. Includes stations like Pilot Hill, Yakutsk, Abilene, Hawle, Kaye Shedlock, etc.

2013 FEB

Table with columns for station name, frequency, power, and other technical details. Includes stations like Kashi, Lake Ozonia, Chibougamau, Ala-Archa, etc.

26d 19h

Table with columns for station name, frequency, power, and other technical details. Includes stations like Obninsk, Kaliningrad, Khabaz, etc.



1901

Table with columns: Code, Station Name, Az, Phase, Time, Res, and various station identifiers like ESDC, ESLS, BNCL, etc.

IDC 26 20:12:12.1±0.6, 29°15'N-67°53'E, h0km, mb4.0/25, m1 3.4/5, m1mx3.0/65, mbtmp4.0/27, ML3.7/2, MS3.4/5, Ms1=3.4/5, m1mx2.0/63, Error ellipse: s-maj=14.3km

NEIC 26 20:12:13.6±0.3, 29°19'N-67°55'E, h10km, mb4.7/26, Error ellipse: s-maj=7.3km, s-min=5.6km, az=151.0

ISCJB 26 20:12:14.1±0.2, 29°12'N-67°46'E, h0.33km, mb4.3/44, MS3.2/4, Error ellipse: s-maj=4.1km, s-min=3.4km, az=179.6

ISC 26 20:12:16.4±0.4, 29°17'N-0°05'67.67E, h0.04, h35km, n110, s=172/117, mb4.3/43, MS3.2/4, Pakistan

Table with columns: Code, Station Name, Az, Phase, Time, Res, and various station identifiers like THW, KBL, CEP, etc.

2013 FEB

Table with columns: Code, Station Name, Az, Phase, Time, Res, and various station identifiers like MKAR, MKAR, WMQ, GNI, etc.

ANF 26 20:18:48.6±0.1, 34°01'N-117°22'W, h15km, ML3.6/36, Error ellipse: s-maj=1.1km, s-min=1.0km, az=39.0

ISCJB 26 20:18:48.6±0.4, 34°01'N-117°20'W, 0.01, h14km, 3km, mb3.3/41, Error ellipse: s-maj=2.4km, s-min=2.0km, az=24.2

SCEDC 26 20:18:50.0, 34.02°N-117.22°W, h16km, PAS 26 20:18:49.9, 34.02°N-117.22°W, h16km, ML3.6

NEIC 26 20:18:49.0, 34.02°N-117.22°W, h16km, ML3.6(PAS), After PAS.

NEIC Felt [III] at Bloomington, Calimesa, Colton, Crestline, Fontana, Grand Terrace, Loma Linda, Mira Loma, Moreno Valley, Norco, Ontario, Perris, Redlands, Rialto, Riverside, San Bernardino, Sun City and Yucaipa. Felt widely in the eastern Los Angeles Basin from Apple Valley to Anguana and Temecula.

IDC 26 20:18:51.8±1.6, 34°03'N-116°30'W, h0km, mb3.4/1, Ms1 3.4/4, m1mx3.5/62, mbtmp3.0/4, ML3.2/3, MS3.0/1, Ms1 3.0/1, m1mx2.5/72, Error ellipse: s-maj=41.3km

ISC 26 20:18:47.8±1.1, 33.98°N-102°11'23"W, 0.02, h3km, 9km, n109, s179/158, Southern California

Table with columns: Code, Station Name, Az, Phase, Time, Res, and various station identifiers like BBRC, BBRC, MURC, etc.

26d 20h

Table with columns: Code, Station Name, Az, Phase, Time, Res, and various station identifiers like XPFO, XPFO, PASC, etc.



26d 20h

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like PKCU Pink Cliffs, PSUT Pine Spring, PNTR Pine Nut, etc.

ICD 26:20:21.02.1.6, 10.85Sx165.61E, h0km, mb3.9/4, mb1 4.2/6, mb1mx3.8/40, mbtmp4.2/6, ML4.4/2, MS3.3/3, Ms1 3.3/3, ms1mx3.0/29, Error ellipse: s-maj=41.6km s-min=26.9km az=135.0

NEIC 26:20:21.03.0.9, 10.81Sx165.57E, h10km, mb4.8/8, Error ellipse: s-maj=16.8km s-min=9.5km az=219.0

ISCJB 26:20:21.05.1.1, 11.02Sx102.09E, h15km, station ZF12 has station magnitude of 2.98

ISC 26:20:21.06.9.1.3, 10.9Sx161.165E, 0.1, h30km, n25, c079/19, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like HNR Honiara, MARC Mare, Loyalty, DZM Mont Dzumac, etc.

ISK 26:20:26.40.3, 40.95N-43.00E, h11km, ML2.2/5

DDA 26:20:26.41.2, 40.84N-42.97E, h7km, 2km, ML2.6

TIF 26:20:26.41.2, 40.85N-42.99E, h14km, 1km

ISCJB 26:20:26.42.6, 40.4, 40.83N-0.03-42.98E, 0.03, h19km, 7km, Error ellipse: s-maj=5.0km s-min=3.9km az=175.3

ISC 26:20:26.41.7, 1.0, 40.85N-0.03-42.99E, 0.02, h15km, 10km, n20, c051/29, Turkey

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like EAK Atakaya, DIGO Kars, SENK Senkaya-Erzurum, etc.

2015 FEB

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like TRLG Trialeti, HOMI Horasan, BKA Borcka, etc.

NNC 26:20:29.51.9.3.3, 43.93N-84.66E, h0km, mb3.6, mpv3.4, 4C-2D, Error ellipse: s-maj=25.2km s-min=11.2km az=126.0, Northern Xinjiang

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like KTMS Ketmen, MK31 Makanchi Array, MAKZ Makanchi, etc.

IDC 26:20:31.45.7.4.8, 79.50N-4.91E, h0km, mb3.7/1, mb1 3.7/3, mb1mx3.2/60, mbtmp3.7/3, ML3.1/2, Error ellipse: s-maj=72.9km s-min=34.8km az=78.0

BER 26:20:31.45.8.3.3, 79.45N-4.11E, h15km, 226km, ML2.6, Confirmed Earthquake

NAO 26:20:31.47.4.3.5, 79.34N-5.50E, ML3.0

IEPN 26:20:31.47.0, 79.45N-4.89E, h15km, station ZF12 has station magnitude of 2.98

ISC 26:20:31.48.7.3.5, 79.45N-0.07-5.6E, 0.1, h29km, 19km, n23, c218/36, 2C, Svalbard region

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like KBS Kingsbay, BRBA Barentsburg A, SPA0 Spitsbergen Ar, etc.

ISCJB 26:20:37.54.8.0, 51.38N-0.03-16.09E, 0.04, h0km, Error ellipse: s-maj=5.2km s-min=3.0km az=23.6

IPEC 26:20:37.55.0.3, 51.50N-16.17E, h0km, ML2.0/3, Error ellipse: s-maj=3.3km s-min=1.7km az=65.0

PRU 26:20:37.56.7.0, 51.44N-16.08E, h0km

VIE 26:20:37.57.5.0, 51.32N-16.01E, h0km, mb2.4/2, ml2.5/5, Error ellipse: s-maj=7.8km s-min=4.7km az=23.0, Suspected Mining Induced.

ISC 26:20:37.54.7.1.4, 51.51N-0.06-16.13E, 0.03, h0km, n24, c069/51, Poland

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like KSP Ksiaz, UPC Upice, DPC Dobruska-Polom, etc.

1902

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like PRU Pruhonicze, MORC Moravsky Berou, CLM Collm, etc.

IDC 26:20:38.43.5.1, 8.24N-121.89E, h0km, mb3.4/6, mb1 3.5/6, mb1mx3.6/2, mbtmp3.4/6, Error ellipse: s-maj=49.7km s-min=27.2km az=71.0

TAP 26:20:38.43.9, 24.31N-121.45E, h6km, ML3.6, C

JMA 26:20:38.44.5, 0.1, 24.35N-121.38E, h14km, M3.0

ISC 26:20:38.44.1, 0.1, 24.33N-121.38E, 0.01, h2km, 7km, n113, c190/6/181, mb3.4/6, 30C-3D, Taiwan

Table with columns: Code, Station Name, Azimuth, Azimuth Error, Phase ID, Time, Residual, Residual Error. Includes stations like ETLH Xiulin Townshi, NNSB Datong, NNS Nan Shan, etc.

1903

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like NHDH, VVWD, NSY, etc.

2013 FEB

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like CHN1, YOJ, YOG, etc.

26d 20h

Table with columns: Call Sign, Station Name, Azimuth, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like AAK, KZA, KKB, etc.

NIED 26:20:44.00;26:60N,129:30E,h8km,Mw4.3 Best double couple: Ms3.13000-1015,NP1.9,199.00000, 1-100.00000, NP2.3,33.00000,8.46.00000, 1-80.00000, ...

Table with columns: Code, Station Name, Azimuth, Elevation, Frequency, Band, Mode, and other parameters. Includes stations like JYRO, JOW, JTK, etc.

26d 20h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like BT0, KLR, CD2, etc.

2013 FEB

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like MAKZ, ZAAO, ZALV, etc.

1904

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SML, DHY, ILAR, etc.

KWP	comp=Z,368nm,1.5s	80.02 321	eP	P	20 57 03.8	-0.9
MLR	Kalwaria Pacla	80.08 316	eP	P	20 57 04.8	-0.4
MLR	Muntele Rosu	80.08 316	eP	P	20 57 04.8	-0.4
MLR	Muntele Rosu	80.08 316	eP	P	20 57 04.8	-0.4
DOPR	comp=Z,9.0nm,1.2s	80.20 317	iP	P	20 57 06.6	+0.9
VOIR	Dopca	80.66 316	iP	P	20 57 20.6	+1.2
SUMG	Summit	80.70 356	eP	P	20 57 08.4	0.0
SUMG	Summit	80.70 356	iP	P	20 57 08.9	+0.5
SUMG	Summit	80.70 356	eP	P	20 57 08.4	0.0
KONO	comp=Z,63nm,1.9s	80.83 333	eP	P	20 57 08.7	-0.1
KONO	Kongsberg	80.83 333	eP	P	20 57 08.7	-0.1
KONO	Kongsberg	80.83 333	eP	P	20 57 08.7	-0.1
TRPA	comp=Z,26nm,1.4s	80.86 319	iP	P	20 57 09.5	+0.3
ARR	Tarpa	80.95 316	iP	P	20 57 10.7	+0.9
OJC	Arges	81.34 322	eP	P	20 57 11.5	-0.2
OJC	Ojcow	81.34 322	eP	P	20 57 11.5	-0.2
HLNJ	comp=Z,22nm,1.1s	81.34 322	eP	P	20 57 11.5	-0.2
DRGR	Ojcow	81.42 318	iP	P	20 57 12.5	+0.2
DRGR	DRGR	81.42 318	iP	P	20 57 12.5	+0.2
GZR	Gura Zlata	82.08 317	iP	P	20 57 23.6	+1.4
VYHS	Gura Zlata	82.08 317	iP	P	20 57 29.6	+1.4
VYHS	Vyhne	82.79 321	eP	P	20 57 20.4	+1.0
VYHS	Vyhne	82.79 321	eP	P	20 57 20.4	+1.0
MORC	comp=Z,4.0nm,1.2s	82.79 321	eP	P	20 57 20.4	+1.0
MORC	Moravsky Berou	82.81 323	iP	P	20 57 20.4	+0.9
MORC	Moravsky Berou	82.81 323	iP	P	20 57 20.4	+0.9
MORC	Moravsky Berou	82.81 323	iP	P	20 57 20.4	+0.9
VTS	Moldovita	83.07 314	eP	P	20 57 21.6	+0.8
VTS	Vitosh	83.17 314	eP	P	20 57 22.1	+0.5
VTS	Vitosh	83.17 314	iP	P	20 57 22.6	+0.9
VTS	Vitosh	83.17 314	eP	P	20 57 22.2	+0.5
VRAC	comp=Z,7.0nm,1.0s	83.59 323	iP	P	20 57 26.5	+3.0
VRAC	Vranov	83.59 323	iP	P	20 57 26.5	+3.0
RAR	Rarotonga	83.61 117	LR	LR	21 27 36.3	
BRG	comp=Z,83nm,21.5s,baz=80,slow=31	84.10 325	eP	P	20 57 26.5	+0.4
BRG	Bergjesshubel	84.10 325	eP	P	20 57 26.5	+0.4
BRG	Bergjesshubel	84.10 325	eP	P	20 57 26.5	+0.4
BRG	Bergjesshubel	84.10 325	eP	P	20 57 26.5	+0.4
CLL	comp=Z,6.0nm,1.1s	84.33 326	eP	P	20 57 27.8	+0.6
CLL	Collm	84.33 326	eP	P	20 57 27.3	+0.1
CLL	Collm	84.33 326	eP	P	20 57 27.3	+0.1
CLL	Collm	84.33 326	eP	P	20 57 32.7	+1.8
CLL	Collm	84.33 326	iP	P	20 57 38.2	+0.1
CLL	Collm	84.33 326	iP	P	20 57 32.7	+0.1
CLL	Collm	84.33 326	iP	P	20 57 32.7	+0.1
CLL	Collm	84.33 326	iP	P	20 57 38.2	
KHC	comp=Z,13nm,1.1s	85.31 324	eP	P	20 57 33.1	+0.8
KHC	Kasperske Hory	85.31 324	eP	P	20 57 33.1	+0.8
GEC2	Kasperske Hory	85.41 323	eP	P	20 57 31.8	-1.0
GEC2	GERESS Array S	85.41 323	eP	P	20 57 31.8	-1.0
GEC2	GERESS Array S	85.41 323	eP	P	20 57 31.8	-1.0
GEC2	GERESS Array S	85.41 323	eP	P	20 57 31.8	-1.0
GERES	comp=Z,4.0nm,1.0s	85.41 323	eP	P	20 57 32.5	-0.4
GERES	GERESS Array B	85.41 323	eP	P	20 57 32.5	-0.4
GERES	GERESS Array S	85.42 323	eP	P	20 57 32.8	-0.1
FCC	Fort Churchill	87.66 21	eP	P	20 57 43.5	0.0
FCC	Fort Churchill	87.66 21	eP	P	20 57 43.5	0.0
FCC	Fort Churchill	87.66 21	eP	P	20 57 43.5	0.0
FCC	Fort Churchill	87.66 21	eP	P	20 57 43.5	0.0
FCC	Fort Churchill	87.66 21	eP	P	20 57 43.5	0.0
FCC	Fort Churchill	87.66 21	eP	P	20 57 43.5	0.0
NV01	comp=Z,10.0nm,0.8s	89.60 47	eP	P	20 57 55.0	+1.6
NV01	Mina Array Sit	89.60 47	eP	P	20 57 55.0	+1.6
NV01	Mina Array Bea	89.60 47	eP	P	20 57 55.0	+1.6
PDAR	comp=Z,0.4nm,0.6s,baz=289,slow=5.6,SNR=3.3	92.30 39	eP	P	20 58 06.2	+0.3
PDAR	Pinedale Array	92.30 39	eP	P	20 58 06.2	+0.3
ULM	comp=Z,0.3nm,0.8s,baz=25,slow=3.0,SNR=2.1	93.67 27	eP	P	20 58 12.2	+0.5
ULM	Lac du Bonnet	93.67 27	eP	P	20 58 12.2	+0.5
TOA1	comp=Z,0.9nm,0.4s,baz=329,slow=5.9,SNR=2.4	115.48 301	ePKP	PKIKP	21 03 37.1	-0.8
TOA1	Torodi Ar. Sit	115.48 301	ePKP	PKIKP	21 03 37.1	-0.8
TOA1	Torodi Ar. Bea	115.49 301	ePKP	PKIKP	21 03 37.1	-0.8
TOA1	Torodi Ar. Bea	115.49 301	ePKP	PKIKP	21 03 37.1	-0.8

GALF	comp=N,743um,1.3s	0.39 249	P	Pb	20 48 47.0	-0.4
GALF	Gagliano Caste	0.39 249	P	Sb	20 48 52.4	-1.0
GALF	GALF	0.39 249	P	Sb	20 48 52.4	-1.0
GALF	comp=E,506um,0.4s		AML	AML		
GALF	comp=N,624um,0.9s		AML	AML		
GALF	comp=N,624um,0.9s		AML	AML		
GALF	comp=E,506um,0.4s		AML	AML		
GALF	comp=N,624um,0.9s		AML	AML		
MSFR	San Fratello	0.39 298	P	Pg	20 48 46.5	+0.5
MSFR	MSFR	0.39 298	P	AML		
MSFR	comp=E,156um,1.2s		AML	AML		
MSFR	comp=N,129um,1.6s		AML	AML		
MSFR	comp=N,129um,1.6s		AML	AML		
MSFR	comp=N,129um,1.6s		AML	AML		
MSFR	comp=N,129um,1.6s		AML	AML		
HLNI	Lentini	0.52 194	P	Pg	20 48 48.1	-0.2
HLNI	HLNI	0.52 194	P	AML		
HLNI	comp=E,117um,1.0s		AML	AML		
HLNI	comp=N,115um,0.9s		AML	AML		
HLNI	comp=N,115um,0.9s		AML	AML		
HLNI	comp=E,117um,1.0s		AML	AML		
HLNI	comp=N,115um,0.9s		AML	AML		
VPL	Vulcano Piano	0.53 356	P	Pg	20 48 49.0	+0.5
VPL	Vulcano Piano	0.53 356	P	Sg	20 48 56.1	+0.5
VPL	Vulcano Piano	0.53 356	P	Sg	20 48 56.1	+0.5
VPL	comp=E,1062um,0.5s		AML	AML		
VPL	comp=N,1520um,0.7s		AML	AML		
VPL	comp=N,1520um,0.7s		AML	AML		
VPL	comp=N,1520um,0.7s		AML	AML		
MTTG	comp=E,1062um,0.5s		AML	AML		
MTTG	Motta San Giov	0.55 74	P	Pg	20 48 49.3	+0.5
MTTG	MTTG	0.55 74	P	Sb	20 48 57.2	-0.6
MTTG	MTTG	0.55 74	P	AML		
MTTG	comp=E,174um,1.3s		AML	AML		
MTTG	comp=N,230um,0.6s		AML	AML		
MTTG	comp=N,230um,0.6s		AML	AML		
MTTG	comp=E,174um,1.3s		AML	AML		
MTTG	comp=N,230um,0.6s		AML	AML		
MSRU	Castanea	0.56 42	P	Pg	20 48 49.2	+0.1
MSRU	MSRU	0.56 42	P	Sb	20 48 57.5	-0.7
MSRU	MSRU	0.56 42	P	AML		
MSRU	comp=E,306um,0.3s		AML	AML		
MSRU	comp=N,254um,1.2s		AML	AML		
MSRU	comp=N,254um,1.2s		AML	AML		
MSRU	comp=N,254um,1.2s		AML	AML		
MSRU	comp=N,306um,0.3s		AML	AML		
HCRLL	Carlentini	0.57 180	P	Pg	20 48 49.1	-0.1
HCRLL	HCRLL	0.57 180	P	Sb	20 48 58.3	0.0
HCRLL	HCRLL	0.57 180	P	AML		
HCRLL	comp=E,243um,0.2s		AML	AML		
HCRLL	comp=N,216um,1.5s		AML	AML		
HCRLL	comp=N,216um,1.5s		AML	AML		
HCRLL	comp=E,243um,0.2s		AML	AML		
HCRLL	comp=N,216um,1.5s		AML	AML		
AGST	Augusta-Monte	0.61 165	P	Pg	20 48 49.8	-0.3
AGST	AGST	0.61 165	P	AML		
AGST	comp=E,296um,1.2s		AML	AML		
AGST	comp=N,255um,0.2s		AML	AML		
AGST	comp=N,255um,0.2s		AML	AML		
AGST	comp=N,255um,0.2s		AML	AML		
AGST	comp=N,255um,0.2s		AML	AML		
SSY	Sorlino	0.69 177	P	Pg	20 48 51.3	-0.4
SSY	SSY	0.69 177	P	AML		
SSY	comp=E,354um,0.4s		AML	AML		
SSY	comp=N,686um,0.2s		AML	AML		
SSY	comp=N,686um,0.2s		AML	AML		
SSY	comp=N,686um,0.2s		AML	AML		
SSY	comp=N,686um,0.2s		AML	AML		
MSCL	Scilla	0.71 57	P	Pg	20 48 52.1	+0.1
MSCL	MSCL	0.71 57	P	AML		
MSCL	comp=E,208um,0.6s		AML	AML		
MSCL	comp=N,190um,0.4s		AML	AML		
MSCL	comp=N,190um,0.4s		AML	AML		
MSCL	comp=E,208um,0.6s		AML	AML		
MSCL	comp=N,190um,0.4s		AML	AML		
HVZN	Vizzini	0.72 201	P	Pg	20 48 51.9	-0.2
HVZN	HVZN	0.72 201	P	AML		
HVZN	comp=E,480um,0.6s		AML	AML		
HVZN	comp=N,486um,1.6s		AML	AML		
HVZN	comp=N,486um,1.6s		AML	AML		
HVZN	comp=N,486um,1.6s		AML	AML		
MPAZ	Palizzi	0.78 82	P	Pg	20 48 53.4	+0.1
MPAZ	MPAZ	0.78 82	P	AML		
MPAZ	comp=E,79um,1.0s		AML	AML		
MPAZ	comp=N,104um,0.8s		AML	AML		
MPAZ	comp=N,104um,0.8s		AML	AML		
MPAZ	comp=N,104um,0.8s		AML	AML		
IFIL	Filicudi I Eol	0.80 333	P	Pg	20 48 53.9	+0.2
IFIL	IFIL	0.80 333	P	AML		
IFIL	comp=E,581um,0.3s		AML	AML		
IFIL	comp=N,238um,0.5s		AML	AML		
IFIL	comp=N,238um,0.5s		AML	AML		
IFIL	comp=N,238um,0.5s		AML	AML		
IFIL	comp=N,238um,0.5s		AML	AML		
RAFF	Raffo Rosso	0.82 221	P	Pg	20 48 54.2	+0.2
HAVL	Avola	0.89 175	P	Pg	20 48 54.5	-0.9
HAVL	HAVL	0.89 175	P	AML		
HAVL	comp=E,344um,0.2s		AML	AML		
HAVL	comp=N,410um,1.6s		AML	AML		
HAVL	comp=N,410um,1.6s		AML	AML		
HAVL	comp=E,344um,0.2s		AML	AML		
HAVL	comp=N,410um,1.6s		AML	AML		

MCSR	comp=N,380um,0.9s		AML	AML		
MCSR	Monte Soro	0.30 287	P	Pg	20 49 44.5	+0.3
MCSR	Monte Soro	0.30 287	P	Sb	20 49 49.4	-0.5
MCSR	Monte Soro	0.30 287	P	AML		
MCSR	comp=E,248um,0.3s		AML	AML		
MCSR	Port Mandanici	0.38 38	P	Pb	20 49 46.1	-0.3
MCSR	Port Mandanici	0.38 38	P	Sg	20 49 51.3	+0.5
MCSR	Port Mandanici	0.38 38	P	AML		
MCSR	comp=E,208um,0.6s		AML	AML		
MCSR	comp=N,165um,0.9s		AML	AML		
MCSR	comp=N,165um,0.9s		AML	AML		
MCSR	comp=N,165um,0.9s		AML	AML		
MCSR	comp=N,165um,0.9s		AML	AML		
MCSR	comp=N,166um,0.9s		AML	AML		
MCSR	comp=N,166um,0.9s		AML	AML		
MCSR	comp=N,166um,0.9s		AML	AML		
MCSR	comp=N,166um,0.9s		AML	AML		
GALF	Gagliano Caste	0.41 251	P	Pb	20 49 46.9	0.0
MSFR	San Fratello	0.41 297	P	Pg	20 49 46.1	0.0
MSFR	San Fratello	0.41 297	P	Sb	20 49 52.7	-0.4
MSFR	San Fratello	0.41 297	P	AML		
HLNI	Lentini	0.52 196	P	Pg	20 49 47.8	-0.3
HLNI	Lentini	0.52 196	P	Sb	20 49 55.8	-0.3
HLNI	Lentini	0.52 196	P	AML		



1907

Table with columns for station name, frequency, power, and other technical details. Includes stations like Yuzh-Sakhalins, Tuman, Asahikawa, and Red Dog Mine.

2013 FEB

Table with columns for station name, frequency, power, and other technical details. Includes stations like Hachijo jima 2, Hailar, Bodaibo, and various 'Wolnu Array' stations.

26d 21h

Table with columns for station name, frequency, power, and other technical details. Includes stations like Mentasta, Hamilton, Eagle, Baldy, and various 'Wolnu Array' stations.





1909

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like Earthquake Lak, San Andreas Ge, and various local stations.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like Kangerlussuaq, Boulder Array, and various international stations.

26d 21h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes stations like Hector, Ludlow, Mount Pierson, and various international stations.

26/21h

Table with columns for station call letters, location, frequency, power, and other technical details. Includes stations like ISCO Idaho Springs, WUAZ Wupatki, WUJAZ Wupatki, Y14A Wickenburg, etc.

2013 FEB

Table with columns for station call letters, location, frequency, power, and other technical details. Includes stations like LAZ Ladron, H39A Augusta, G40A Rib Lake, G40A Rib Lake, etc.

1910

Table with columns for station call letters, location, frequency, power, and other technical details. Includes stations like G45A Suttons Bay, LSQQ Label-sur-Quev, AKASG Malin Array B, etc.

K46A	Dorr	69.99	45	P	P	21 54 44.7	0.0
PPBI	Pangkal Pinang	70.02	237	P	P	21 54 45.9	+0.8
F52A	Sundberg	70.03	39	P	P	21 54 44.3	-0.6
M44A	Midewin, Midew	70.06	47	P	P	21 54 45.0	-0.1
P41A	Barry, Barry	70.06	50	P	P	21 54 45.5	+0.4
HYB	Hyderabad	70.09	273	i	P	21 54 45.0	-0.7
HYB	Hyderabad	70.09	273	eP	IAMB	21 54 44.1	-1.6
E53A	Dumoine, Ponti	70.15	38	P	P	21 54 45.1	-0.5
WMOK	Wichita Mounta	70.15	59	eP	P	21 54 46.1	+0.3
WMOK	Wichita Mounta	70.15	59	eP	P	21 54 46.2	+0.3
WMOK	Wichita Mounta	70.15	59	P	P	21 54 46.4	+0.6
HDIL	Hopedale	70.17	48	eP	P	21 54 45.7	-0.1
HDIL	Hopedale	70.17	48	P	P	21 54 45.8	-0.1
I49A	Point Hope	70.19	42	P	P	21 54 45.7	-0.2
ANN	Anapa	70.21	319	eP	P	21 54 35.4	-1.1
ANN	Anapa	70.21	319	ePP	PcP	21 55 11.5	+4.6
ANN	Anapa	70.21	319	eSS	SKIKP	22 04 14.9	-1.9
E54A	Lac Daplat, Po	70.28	37	P	P	21 54 45.7	-0.7
EAB	Aberfoyle	70.29	350	eP	P	21 54 46.1	-0.1
BMRO	Merriville Lake	70.29	41	P	P	21 54 46.2	-0.3
SOC	Sochi	70.30	317	eP	P	21 54 45.0	-1.6
SOC	Sochi	70.30	317	eS	S	22 07 20.0	-0.4
L46A	Eue Claire	70.32	46	P	P	21 54 46.7	+0.1
LAWE	Loch Awe, Argy	70.33	350	eP	IAMB	21 54 46.3	-0.1
LAWE	Loch Awe, Argy	70.33	350	eP	IAMB	21 54 46.9	
J48A	Bridge Port	70.33	43	P	P	21 54 46.8	+0.1
K47A	Vermontville	70.33	44	P	P	21 54 46.8	0.0
ESY	Stoneyhope	70.36	349	eP	P	21 54 46.6	-0.1
ALGO	Algenquin Park	70.37	38	P	P	21 54 46.1	-0.8
O43A	Sugar Creek Fa	70.38	49	P	P	21 54 47.0	-0.1
M45A	Boilermakers S	70.41	47	P	P	21 54 47.0	-0.2
P42A	Winchester	70.47	50	eP	P	21 54 47.9	+0.2
P42A	Winchester	70.47	50	P	P	21 54 47.8	+0.2
N44A	Piper City	70.50	48	P	P	21 54 47.8	0.0
EAU	Auchinoon	70.53	348	eP	P	21 54 47.9	+0.2
L49A	LVV	70.53	330	eP	P	21 54 46.9	+0.9
J49A	Marlette	70.54	43	P	P	21 54 48.1	+0.1
EBL	Broad Law	70.55	349	eP	P	21 54 47.6	-0.2
BKNI	Truxton	70.56	51	P	P	21 54 48.6	+0.5
Q41A	Bangkinang	70.58	243	eP	P	21 54 49.5	+0.9
BKNI	Bangkinang	70.58	243	P	P	21 54 49.9	+1.3
K48A	Perry	70.60	44	P	P	21 54 48.8	+0.4
PGBU	Gleniferbraes	70.67	350	eP	IAMB	21 54 48.7	+0.1
PGBU	Gleniferbraes	70.67	350	eP	IAMB	21 54 49.7	
N45A	Kentland	70.73	47	P	P	21 54 49.1	-0.1
TUL1	Leonard	70.76	56	eP	P	21 54 49.9	+0.4
TUL1	Leonard	70.76	56	P	P	21 54 49.7	+0.2
M46A	Old House Fiel	70.78	46	eP	P	21 54 49.7	+0.2
M46A	Old House Fiel	70.78	46	P	P	21 54 49.6	0.0
P43A	Skaggs, Pawnee	70.80	49	P	P	21 54 49.7	0.0
L47A	Sherwood	70.82	45	P	P	21 54 49.7	0.0
G53A	Haliburton	70.86	39	P	P	21 54 49.4	-0.5
O44A	Mansfield	70.87	48	P	P	21 54 49.8	-0.2
K49A	Clarkson	70.89	43	P	P	21 54 50.7	+0.5
PEMO	Pembroke	70.90	38	P	P	21 54 49.4	-0.7
Q42A	Golden Eagle	70.92	50	P	P	21 54 50.9	+0.6
GNI	Garni	70.94	312	eP	P	21 54 50.1	-0.7
GNI	Garni	70.94	312	iP	P	21 54 50.8	0.0
GNI	Garni	70.94	312	iP	P	21 54 50.4	-0.3
GNI	Garni	70.94	312	P	P	21 54 51.1	+0.4
BHJ	Bhuj	70.95	283	eP	IAMB	21 54 49.3	-1.4
BHJ	Bhuj	70.95	283	eP	IAMB	21 54 50.3	
MNSI	Mandailing Nar	70.98	245	P	P	21 54 50.0	-1.0
R41A	Rosebud	71.01	51	P	P	21 54 51.1	+0.1
ESK	Eskdalemuir	71.02	349	eP	P	21 54 49.5	-1.1
ESK	Eskdalemuir	71.02	349	eP	IAMB	21 54 50.6	0.0
ESK	Eskdalemuir	71.02	349	eP	IAMB	21 54 51.6	
ESK	Eskdalemuir	71.02	349	eP	P	21 54 49.5	-1.1
LATQ	La Tuque	71.02	34	P	P	21 54 51.1	+0.3
I51A	Listowel	71.03	41	P	P	21 54 51.2	+0.2
N46A	Monticello	71.03	47	P	P	21 54 50.6	-0.4
KWP	Kalwarja Pacla	71.09	331	eP	P	21 54 51.4	+0.1
KWP	Kalwarja Pacla	71.09	331	eP	P	21 54 51.4	+0.1
F55A	Otter Lake	71.10	37	P	P	21 54 50.6	-0.7
O45A	Potomac	71.12	48	P	P	21 54 51.7	+0.1
M47A	Cromwell	71.14	46	P	P	21 54 51.5	-0.2
L48A	N Adams	71.17	44	P	P	21 54 52.1	+0.3
AAM	Ann Arbor	71.20	44	eP	P	21 54 53.0	+1.0
AAM	Ann Arbor	71.20	44	eP	P	21 54 52.5	+0.5
BANO	Bancroft	71.21	38	P	P	21 54 51.7	-0.3
BHH	Howats Hill	71.24	349	eP	P	21 54 52.0	0.0
BCA	Borcka	71.26	315	iP	P	21 54 52.6	+0.2
CCM	Cathedral Cave	71.27	51	eP	P	21 54 52.1	-0.4
CCM	Cathedral Cave	71.27	51	eP	P	21 54 52.1	-0.4
CCM	Cathedral Cave	71.27	51	P	P	21 54 52.5	0.0
Q43A	New Douglas	71.28	50	P	P	21 54 52.7	+0.1
SFIN	Lafayette	71.30	47	eP	P	21 54 52.8	+0.2
SFIN	Lafayette	71.30	47	P	P	21 54 52.5	-0.1
R42A	Luebbering	71.30	51	P	P	21 54 52.9	+0.2

L49A	Milan	71.31	44	P	P	21 54 53.2	+0.5
EDMO	Edmundbyers	71.34	348	eP	IAMB	21 54 52.0	-0.6
EDMO	Edmundbyers	71.34	348	eP	IAMB	21 54 53.4	
ABTX	Abiene, Hawle	71.35	61	eP	P	21 54 53.8	+0.6
ABTX	Abiene, Hawle	71.35	61	P	P	21 54 53.7	+0.6
P44A	Sinabang, Aceh	71.35	49	P	P	21 54 53.1	+0.2
PMBI	Palembang	71.36	238	P	P	21 54 53.9	+0.6
OJC	Ojcow	71.38	333	eP	P	21 54 53.0	+0.1
OJC	Ojcow	71.38	333	eP	P	21 54 52.5	-0.4
OJC	Ojcow	71.38	333	eP	P	21 54 53.0	+0.1
HHAR	Hobbs	71.38	54	eP	P	21 54 53.2	-0.1
S41A	Jilico Farms,	71.41	52	P	P	21 54 53.3	-0.1
TRQ	Mont Tremblant	71.41	36	eP	P	21 54 52.6	-0.7
M48A	Edgerton	71.43	45	P	P	21 54 53.3	-0.1
SNSI	Sinabang, Aceh	71.45	248	P	P	21 54 54.3	+0.5
G55A	Calabogie	71.46	38	P	P	21 54 52.9	-0.6
N47A	Urbana	71.50	46	P	P	21 54 53.4	-0.4
CLGH	Cloghs, Cushen	71.56	351	eP	IAMB	21 54 53.8	-0.1
CLGH	Cloghs, Cushen	71.56	351	eP	IAMB	21 54 54.9	
I53A	Kovright Cn E	71.58	40	P	P	21 54 54.2	-0.1
Q44A	Meyer Farm, Va	71.62	49	eP	P	21 54 55.1	+0.5
Q44A	Meyer Farm, Va	71.62	49	eP	P	21 54 54.4	-0.2
GALL1	Galloway	71.63	350	eP	IAMB	21 54 54.1	-0.2
GALL1	Galloway	71.63	350	eP	IAMB	21 54 55.1	
GSI	Gunungstoli	71.67	247	eP	P	21 54 55.9	+0.8
GSI	Gunungstoli	71.67	247	eP	P	21 54 55.9	+0.8
P45A	Graceland, Par	71.70	48	eP	P	21 54 55.4	+0.3
P45A	Graceland, Par	71.70	48	P	P	21 54 55.0	-0.1
IDGL	Inch Island, C	71.70	351	iP	P	21 54 55.1	+0.3
R43A	Red Bud	71.71	50	P	P	21 54 55.1	0.0
S42A	Caledonia	71.71	51	P	P	21 54 55.3	+0.1
FVM	French Village	71.71	51	eP	P	21 54 55.5	+0.3
FVM	French Village	71.71	51	eP	P	21 54 55.5	+0.3
KESW	Keswick, Cumber	71.72	349	eP	IAMB	21 54 55.0	+0.1
KESW	Keswick, Cumber	71.72	349	eP	IAMB	21 54 56.0	
KSP	Ksiaz	71.72	336	eP	P	21 54 54.8	-0.2
KSP	Ksiaz	71.72	336	eP	P	21 54 54.8	-0.2
ORIO	Orleans, Innes	71.73	37	P	P	21 54 54.5	-0.6
TX31	Lajitas Ar. Si	71.73	66	eP	P	21 54 55.1	-0.5
TXAR	Lajitas Array	71.73	66	eP	P	21 54 56.7	+1.2
TXAR	Lajitas Array	71.73	66	eP	P	21 55 28.9	-0.1
K51A	lona Station	71.74	42	P	P	21 54 55.4	+0.2
IAS	IAS	71.74	327	iP	P	21 54 55.3	+0.2
IAS	IAS	71.74	327	iP	P	21 54 55.4	+0.3
M49A	Liberty Center	71.75	44	P	P	21 54 55.4	+0.1
L50A	Kingsville	71.77	43	P	P	21 54 55.6	+0.1
N48A	Decatur	71.81	45	P	P	21 54 55.4	-0.2
O47A	Sheridan	71.82	47	P	P	21 54 55.0	-0.7
T41A	Mountain View	71.83	52	P	P	21 54 55.7	-0.2
U40A	Yellville	71.85	53	P	P	21 54 55.9	-0.1
P46A	Rosedale	71.87	48	P	P	21 54 56.0	0.0
DRWO	Darlington Wes	71.87	40	P	P	21 54 55.7	-0.3
H55A	Tweed	71.89	38	P	P	21 54 55.7	-0.4
PDSI	Padang	71.93	243	P	P	21 54 56.2	-0.5
NIE	Niedzica	71.97	333	eP	P	21 54 56.8	+0.3
NIE	Niedzica	71.97	333	eP	P	21 54 56.8	+0.3
I55A	Frankford	71.98	39	P	P	21 54 56.0	-0.6
K52A	Tillsonburg	72.01	42	P	P	21 54 56.4	-0.5
Q45A	Warren Harvey,	72.03	49	P	P	21 54 57.1	+0.1
POO	Poona	72.08	277	eP	P	21 54 56.7	-0.9
COLL	Collm	72.08	338	eP	P	21 54 56.5	-0.5
COLL	Collm	72.08	338	iP	P	21 54 56.3	-0.8
COLL	Collm	72.0					

26d 21h

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like U44A Portageville, BATG Bathurst New B, N52A McGinn's Farm, etc.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like GEC2 GERESS Array S, GEC2 GERESS Array S, GERES GERESS Array B, etc.

1912

Table with columns: Call Sign, Name, Frequency, Power, Mode, and other details. Includes entries like S52A Salyersville, PRD Provadia, MORH Mrgy, Hungary, etc.





26d 22h

Table with columns: LIC, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Limon Verde, LSZ, LPAZ, LPZA, etc.

NEIC 26 21:50:15.6-0.0, 17:18N-94:86W, h130km, MD4.0(MEX), After MEX, MEX 26 21:50:15.6-0.8, 17:18N-94:86W, h130km, gkm, MD4.0, Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CMIG, CMIV, VHO, etc.

ATH 26 21:54:08.6, 34:48N-23:79E, h17km, 5km, ML2.3/2, Error ellipse: s-maj=9.1km s-min=3.1km az=23.0, Crete

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GVD, GVO, GVM, etc.

IDC 26 22:09:08.3-2.0, 22:44S-65:75W, h240km, 20km, mb3.4/2, mb1 3.3/5, mb1mx3.0/33, mbtrmp3.6/5, Error ellipse: s-maj=30.6km s-min=24.6km az=129.0

GUC 26 22:09:11.6-0.0, 22:58S-66:64W, h289km, 7km, MW4.5, ISC 26 22:09:08.1-1.1, 22:58S-0:07:66:01W, 0.08, h251km, n22, e186/39, SCJ, Juyuy Province

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like LVC, PB09, PB15, etc.

IDC 26 22:22:28.9-1.2, 19:11N-67:94W, h0km, mb3.6/5, mb1 4.0/6, mb1mx3.6/47, mbtrmp3.7/6, ML3.2/1, Error ellipse: s-maj=35.3km s-min=25.1km az=6.0

ISCJB 26 22:22:30.8-0.4, 19:35N-0:07:67:96W, 0.05, h20km, mb3.6/5, Error ellipse: s-maj=11.0km s-min=3.7km az=32.6

RSPR 26 22:22:32.9-1.9, 16:16N-68:06W, h86km, 4km, MD3.8/14, NEIC 26 22:22:32.9-0.0, 19:16N-68:06W, h86km, MD3.8(RSPR), After RSPR, ISC 26 22:22:32.0-0.7, 19:16N-0:06:68:04W, 0.04, h20km, n46, e192/57, mb3.8/5, 29C, North Atlantic Ocean

2013 FEB

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AGPR, MPR, DR12, etc.

ISCJB 26 22:30:14.6-0.7, 26:31S-0:04:28:31E, 0:07, h20km, 4km, mb3.5/4, Error ellipse: s-maj=11.6km s-min=4.5km az=23.2

PRE 26 22:30:14.2-1.2, 26:33S-28:33E, h2km, ML3.4, IDC 26 22:30:17.1-1.2, 26:17S-28:14E, h0km, mb3.5/4, mb1 3.7/10, mb1mx3.6/47, mbtrmp3.7/10, ML3.6/5, Error ellipse: s-maj=21.1km s-min=17.3km az=149.0

ISC 26 22:30:15.8-0.9, 26:28S-0:04:28:16E, 0:06, h10km, 7km, n24, e241/42, mb3.6/4, South Africa

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ERPM, SLR, WDLM, etc.

1914

Table with columns: TSUM, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TSUM, KMBO, TORD, etc.

ISCJB 26 22:33:40.8-0.6, 59:42N-0:02:142:72W, 0:03, h4km, 4km, mb4.1/39, MS4.0/30, Error ellipse: s-maj=3.3km s-min=2.8km az=17.5

IDC 26 22:33:42.7-0.7, 59:58N-142:62W, h0km, mb3.9/17, mb1 4.0/23, mb1mx3.9/62, mbtrmp3.9/23, ML3.7/6, MS3.9/33, M51 3.3/33, ms1mx3.9/43, Error ellipse: s-maj=14.6km s-min=9.5km az=34.0

PGC 26 22:33:42.1-2.5, 59:43N-142:68W, h1km, ML4.5/10, WMS 26 22:33:42.1-2.5, 59:43N-142:68W, h1km, ML4.5/10, Error ellipse: s-maj=13.5km s-min=5.8km az=102.7

MOS 26 22:33:43.0-1.2, 59:53N-142:74W, h15km, mb4.3/24, Error ellipse: s-maj=13.5km s-min=5.8km az=102.7

NEIC 26 22:33:43.5-0.0, 59:48N-142:66W, h13km, mb4.3/15, ML2.3(AEIC), MW4.8(OT), After AEIC, ISC 26 22:33:42.5-1.5, 59:45N-0:04:142:68W, 0:03, h2km, 9km, n223, e198/326, mb4.3/39, MS2.0/30, 2C-6D, Gulf of Alaska

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like BGCL, KULT, SUCK, etc.

Table with columns: ILAR, comp, LR, LR, 22 37 28.1, etc. Lists various astronomical objects and their coordinates.

Table with columns: TXAR, comp, LR, LR, 23 00 07.2, etc. Lists various astronomical objects and their coordinates.

Table with columns: BZS, Buzias, 2.27 23 S, Sb, 22 42 05.5 +1.2, etc. Lists various astronomical objects and their coordinates.

27d 2h

Table with columns: DIV, Divide, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Beaver Creek, Hinchinbrook, Klutina, etc.

DDA 27 00:26:37.5, 38.46N, 39.29E, h7km, 3km, ML2.5
ISCJB 27 00:26:38.4, 0.7, 38.43N, 0.02, 39.35E, 0.03, h6km, 6km,
Error ellipse: s-maj=4.6km s-min=4.0km az=155.9

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ELZG, TNCL, DIYA, etc.

ISCJB 27 00:32:08.7, 1.1, 10.0S, 0.1, 165.9E, 0.1, h10km, mb3.9/6,
MS3.5/6, Error ellipse: s-maj=21.3km s-min=16.7km
az=160.6

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like HNR, DZM, etc.

2013 FEB

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like DZM, CTA, URZ, etc.

SOME 27 00:42:22.1, 42.56N, 79.63E, h20km
KRNET 27 00:42:22.4, 0.1, 42.61N, 79.58E, h16km, mb2.3
NNC 27 00:42:22.5, 0.6, 42.62E, 79.61E, h0km, mb2.5, mpv2.3,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SHLS, SHLS, SHLS, etc.

DDA 27 00:26:37.5, 38.46N, 39.29E, h7km, 3km, ML2.5
ISCJB 27 00:26:38.4, 0.7, 38.43N, 0.02, 39.35E, 0.03, h6km, 6km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KDJ, KDJ, KDJ, etc.

MEX 27 00:57:41.7, 0.3, 17.01N, 94.99W, h133km, 3km, MD3.9,
Chiapas

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CMIG, TUIG, HUIG, etc.

1916

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB12, PB12, PB12, etc.

TIR 27 01:52:00.2, 40.80N, 21.66E, h7km, Md2.8/3
SKO 27 01:52:02.8, 40.72N, 21.38E, h15km, M1.8, ML2.2

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like FNA, FNA, FNA, etc.

DDA 27 00:26:37.5, 38.46N, 39.29E, h7km, 3km, ML2.5
ISCJB 27 00:26:38.4, 0.7, 38.43N, 0.02, 39.35E, 0.03, h6km, 6km,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KPRO, KPRO, KPRO, etc.

JMA 27 02:07:12.5, 0.2, 30.87N, 129.67E, h242km, 2km, M3.7,
Kyushu

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JSJ, JSJ, JSJ, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JSJ, JSU, JYAK, etc.

IDC 27 02:30:49.8±2.1, 4.41S-151.97E, h0km, mb3.6/4, mb1 3.8/4, mb1mx3.5/34, mbtmp3.6/4, Error ellipse: s-maj=96.6km s-min=26.7km az=120.0, New Britain region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like WRA, ASAR, ILAR, etc.

MEX 27 02:35:30.1±0.4, 14.06°N-93.15°W, h30km±31km, MD3.9, Near coast of Chiapas

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like THIG, CCIG, CMIG, etc.

RSNC 27 02:45:34.0±1.2, 6.84°N-73.09°W, h152km±5km, ML3.1, Mw3.6, 1C-3D, Northern Colombia

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like BARC, PAMC, BRRC, etc.

ISC 27 03:09:50.5±0.7, 36.59°N-107.70°E, h188km, n29, ±253/38, 13C-2D, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SFK, MNL, MNAS, etc.

IDC 27 03:00:53.1±0.8, 25.37°N-127.34°E, h0km, mb3.8/14, mb1 4.0/15, mb1mx3.8/46, mbtmp3.9/15, ML4.2/1, Error ellipse: s-maj=24.0km s-min=18.2km az=84.0

ISCJCB 27 03:00:55.1±0.4, 25.37°N-127.56°E, h27km, mb3.8/17, Error ellipse: s-maj=6.8km s-min=4.0km az=42.0

NEIC 27 03:00:58.2±0.4, 25.39°N-127.41°E, h35km, mb4.2/5, Error ellipse: s-maj=12.5km s-min=8.1km az=79.0

JMA 27 03:00:59.1±0.3, 25.58°N-127.54°E, h5-km, M3.1, ISC 27 03:00:57.0±0.7, 25.43°N-127.45°E, h27km, n51, ±110/54, mb3.9/17, Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JTT3, JTT3, JKE, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JTTJ, JTK, JMK, etc.

IDC 27 03:13:13.4±8.1, 37.64°N-171.89°E, h101km±56km, mb3.3/1, mb1 3.2/5, mb1mx2.9/41, mbtmp3.5/5, Error ellipse: s-maj=99.1km s-min=62.4km az=107.0

NIC 27 03:13:16.7±2.1, 37.86°N-171.74°E, h128km±32km, mb2.9, mp3.7, Error ellipse: s-maj=20.2km s-min=16.7km az=71.0

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like FIAO, FINES, AKASO, etc.

ISCJCB 27 03:09:49.7±0.5, 36.52°N-107.41°E, h188km, mb2.9/2, Error ellipse: s-maj=6.1km s-min=5.2km az=36.0

NIC 27 03:09:53.0±2.7, 36.79°N-107.79°E, h142km±51km, mb3.2, mp4.0, Error ellipse: s-maj=26.5km s-min=18.4km az=150.0

IDC 27 03:09:53.8±3.2, 36.69°N-171.43°E, h183km±29km, mb2.8/2, mb1 3.1/7, mb1mx2.8/44, mbtmp3.6/7, MS3.1/1, Ms1 3.1/1, mb1mx2.4/15, Error ellipse: s-maj=32.0km s-min=23.6km az=150.0

ISC 27 03:09:50.5±0.7, 36.59°N-107.70°E, h188km, n29, ±253/38, 13C-2D, Hindu Kush region

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SFK, MNL, MNAS, etc.

IDC 27 03:35:14.4±1.1, 25.31°N-127.47°E, h0km, mb3.4/5, mb1 3.6/6, mb1mx3.5/29, mbtmp3.4/6, ML3.4/1, Error ellipse: s-maj=44.0km s-min=21.5km az=75.0

ISCJCB 27 03:35:16.6±0.8, 25.30°N-127.66°E, h27.6±0.1, h27km, mb3.3/5, Error ellipse: s-maj=13.4km s-min=8.3km az=6.3

JMA 27 03:35:21.7±0.4, 25.66°N-127.51°E, h52km±4km, M2.6, ISC 27 03:35:17.9±1.0, 25.38°N-127.64°E, h27km, n15, ±139/119, mb3.4/5, Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JTT3, JTT3, JNTJ, etc.

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SFK, SFK, AML, etc.

IDC 27 03:46:41.4±0.8, 18.25°N-97.96°W, h12km±10km, MD3.6, Central Mexico

TEH 27 03:55:14.6, 34.53°N-92.02°E, h10km, ML4.4, ISCJCB 27 03:55:15.6±0.2, 34.56°N-92.03°E, h10km, mb4.2/40, M3.3/5, Error ellipse: s-maj=4.7km s-min=2.9km az=152.8

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SKR, PAU, ALID, etc.

KRSC 27 03:21:15.8±1.1, 50.41°N-157.31°E, h79km±15km, ML4.0, Kuril Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like SKR, PAU, ALID, etc.

IDC 27 03:35:14.4±1.1, 25.31°N-127.47°E, h0km, mb3.4/5, mb1 3.6/6, mb1mx3.5/29, mbtmp3.4/6, ML3.4/1, Error ellipse: s-maj=44.0km s-min=21.5km az=75.0

ISCJCB 27 03:35:16.6±0.8, 25.30°N-127.66°E, h27.6±0.1, h27km, mb3.3/5, Error ellipse: s-maj=13.4km s-min=8.3km az=6.3

JMA 27 03:35:21.7±0.4, 25.66°N-127.51°E, h52km±4km, M2.6, ISC 27 03:35:17.9±1.0, 25.38°N-127.64°E, h27km, n15, ±139/119, mb3.4/5, Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JTT3, JTT3, JNTJ, etc.

NIED 27 03:45:00, 33.00°N-130.70°E, h8km, Mw3.5 Best double couple: M1.760000x1014, NP1.247.00000, 851.00000, λ-143.00000, NP2.0.131.00000, 862.00000, λ-46.00000

JMA 27 03:45:51.6±33.02°N-130.72°E, h12km±1km, M3.5, 1C-1D Broadband fault plane solution: P waves: NP1: φ=245.00000°, λ=843.00000°, λ=143.00000°, Principal axes: T P1g11.0000°, Azm190.0000°, N P1g35.0000°, Azm288.0000°, P P1g53.0000°, Azm85.0000°, Kyushu

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like JNU, JTA, JTA, etc.

MEX 27 03:46:41.4±0.8, 18.25°N-97.96°W, h12km±10km, MD3.6, Central Mexico

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like TPIG, TPIG, YAIG, etc.

27d 4h

ellipse: s-maj=6.7km s-min=5.4km az=86.4
NCC 27 03:55:24.1z.1.35:20N-62.21E, h0km, mb4.3, mpv4.2,
Error ellipse: s-maj=19.6km s-min=13.4km az=178.0
ISC 27 03:55:17.7z.0.5:34.57N-0.04:61.97E, h10km, m165,
z=210/166, mb4.2/40, MS3.4/5, 27C-21D, Northwestern

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Jarkhoshk, Miami, Dahanechak, etc.

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Table with columns: TBLG, Delisi, Time, Res, ISC. Lists stations like Borovoye, Kurchatov, etc.

1918

Table with columns: NRK, GEC, GERS, etc. Lists stations like Norik'sk, GERS Array S, etc.

IDC 27 04:24:13.2z.1.7:65.44N-112.03E, h0km, mb3.4/5,
mb1.3/5.6, mblmx3.3/5.4, mbltm3.4/6, ML2.6/1, MS3.1/1,
Ms1 3.1/1, mslmx2.4/30, Error ellipse: s-maj=57.4km
s-min=19.6km az=142.0, Northern and central Siberia

DRS 27 04:24:21.7z.0.0:72N-46:40E, h10km, ML3.0/4
NCS 27 04:24:27.5z.40:82N-46:77E, h10km, Ms2.5
NORS 27 04:24:27.8z.0.0:40:92N-46:76E, h25km, MPV4.3
AZER 27 04:24:28.6z.0.0:40:90N-46:71E, h25km, ml3.2/38, Error
ellipse: s-maj=0.6km s-min=0.3km az=352.0
TIF 27 04:24:29.0z.40:87N-46:76E, h19km, 1km
TRF 27 04:24:29.5z.40:88N-46:74E, h18km, ML3.3
MOS 27 04:24:29.4z.0.9:40:81N-46:81E, h15km, mb3.9/1, Error
ellipse: s-maj=8.0km s-min=4.7km az=91.7
ISC 27 04:24:28.5z.0.9:40:88N-01:46:74E, 0.11, h18km, 3km,
n138, r164/217, 38C-39D, Eastern Caucasus

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, ISC. Lists stations like Zalesovo, Kurbat, etc.







1921

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Novosibirsk, Gaotai, Songoing Array, etc.

NEIC 27 05:42:18.5s.0.0, 17.27N:94.36W, h27km, MD4.0(MEX), After MEX.

MEX 27 05:42:18.5s.0.0, 16.1727N:94.36W, h27km, MD4.0, Chiapas

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Matias Romero, Tuzandepet, Hualtulo, etc.

TRN 27 06:35:03.1, 11.52N:60.23W, h43km, MS3.7, Windward Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Speyside, Grenville, Vincent, Belmont, etc.

IDC 27 06:47:43.7s.0.0, 29.53S:177.95W, h0km, mb3.9/3, mb1 4.0/3, mb1mx3.8/30, mbtmp3.9/3, Error ellipse: s-maj=86.0km s-min=36.4km az=39.0, Kermadec Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Alice Springs, Warramunga Arr, QSPA, etc.

IDC 27 06:48:52.2s.2.6, 2.49S:128.27E, h0km, mb3.3/2, mb1 3.5/3, mb1mx3.3/35, mbtmp3.3/3, ML2.9/1, Error ellipse: s-maj=217.0km s-min=27.6km az=68.0, Ceram Sea

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, MKAR, etc.

WEL 27 06:49:48.0s.1.3, 31.1S:23.17W, h5.0, h141km, g4km IDC 27 06:49:49.0s.0.30, 84S:177.45W, h0km, mb4.8/15, mb1 5.0/15, mb1mx4.8/31, mbtmp4.8/15, MS4.2/16, Ms1 4.2/16, ms1mx4.1/27, Error ellipse: s-maj=20.9km s-min=18.0km az=1.0

NEIC 27 06:49:50.8s.0.2, 31.07S:177.56W, h4km, 12km, mb5.1/71, Error ellipse: s-maj=6.2km s-min=4.7km az=114.0, ISCJB 27 06:49:53.1s.0.2, 31.11S:0.02:177.64W:0.04, h27km, mb5.0/89, MS4.3/16, Error ellipse: s-maj=5.5km s-min=2.3km az=26.0

MOS 27 06:49:53.1s.0.30, 82S:177.60W, h23km, mb5.3/40, MS4.6/5, Error ellipse: s-maj=11.7km s-min=9.3km az=101.6, BUJ 27 06:49:53.9s.30, 33S:176.89W, h31km, mb5.4/8, mb5.3/29, Ms5.1/5, Ms7.4/74

GCMT 27 06:49:54.8s.0.3, 30.81S:0.04:177.18W:0.02, h191km, 1km, MW5.0/68, Moment Tensor Solution. s33,c41: s68,c93; Duration: 0 Moment tensor: Scale 10^19Nm; Mr:2.94±.18; Mw:0.42±.12; Ms:2.52±.11; Mo:0.29±.33; Mv:0.97±.10; Mv:1.73±.24; Best double couple: M3.401000:10^16 NP: NP1:7.00000:360.00000:1.76.00000: NP2: NP2:14.00000:330.00000:1.14.00000: Principal axes: P:3.52000, Plg17.00000: Azm244.00000: N:-0.35000, Plg12.00000: Azm14.00000: P:-3.28200, Plg14.00000: Azm107.00000: nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 27 06:49:54.2s.0.3, 31.05S:0.04:177.52W:0.07, h27km, n412, s1965/425, mb5.1/89, MS4.3/16, 14C-8D, Kermadec Islands region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Green Lake, Raoul Island, Matakaoa Point, etc.

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Main table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like URZ, URZ, Urewera, etc.

27d 6h

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRA, WRA, Warramunga Arr, etc.

27d 7h

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like TRTT, USA0B, USRK, M02C, GRAC, PNTR, LDFC, etc.

2013 FEB

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like LZH, BILIBINO, YKA, WMO, DGZ, RES, etc.

1922

Table with columns: Station, Frequency, Power, Mode, and other technical details. Includes stations like NB200, NOA, NOA, NB000, KEMA, NA001, etc.

NNC 27-05:00.00:31.1,41:87N:78.17E,h0km,mb2.9,mpv2.9, 57-3D, Error ellipse: s-maj=7.2km s-min=4.0km az=172.0,Suspected Mining explosion., Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Frequency, Power, Mode, and other technical details. Includes stations like SATY, UZB, MDOK, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like MTBS Matube, KST KasteK, KTBS Karatobe, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SATY Saty, PDGK Podgornoye, TKM2 Tokmak 2, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like TRN Trinidad (W), TRN Pointe-a-Pierre, TBH Brigand Hill, etc.

Table with columns: Station Name, Azimuth, Phase ID, Time, Res. Includes stations like GUMO Guam, H1S13 WAKE ISLAND Hy 22.31, H1S11 WAKE ISLAND Hy 22.33, etc.

IDD 27 07:31:39.6:0.7,9:47S:114:31E,h0km,mb4.3/13, mb1.4/4.13,mb1mx2.2/39,mbtmp3.4/13,MS3.4/4, Ms1.3/4.4,ms1mx3.0/39,Error ellipse: s-maj=37.0km s-min=15.0km az=50.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JAGI Jajag, Banyuwa, JAGI Jajag, Banyuwa, DNP Denpasar, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like DAV Davao City (W), WRA Warramunga Arr, WRA Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRI Warramunga Arr, WRI Warramunga Arr, WRI Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRI Warramunga Arr, WRI Warramunga Arr, WRI Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like WRI Warramunga Arr, WRI Warramunga Arr, WRI Warramunga Arr, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like ILAR Eielson Array, NVAR Mina Array Bay, TXAR Lajitas Array, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JMA 27 07:40:01.5,37:03N:138:58E, JMA 27 07:40:01.5,37:03N:138:58E, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JMA 27 07:54:02.1,41:17S:147:06E, JMA 27 07:54:02.1,41:17S:147:06E, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JMA 27 07:54:02.1,41:17S:147:06E, JMA 27 07:54:02.1,41:17S:147:06E, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JMA 27 07:54:02.1,41:17S:147:06E, JMA 27 07:54:02.1,41:17S:147:06E, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like JMA 27 07:54:02.1,41:17S:147:06E, JMA 27 07:54:02.1,41:17S:147:06E, etc.

27d 9h

Table with columns: ACCO, Cerro Coronel, 2.71, 23, eP, Pn, 08 06 11.7 +0.4, etc.

NNC 27 08:07:17.1±3.0, 53.42N; 87.75E, h0km, mb3.6, mpv3.2, Error ellipse: s-maj=25.5km s-min=11.5km az=64.0, Suspected Mining explosion.

KRAR 27 08:07:16.0±1.5, 53.56N; 87.61E, M2.3, 7C-6D, Industrial explosion (after: The Earthquakes of Russia in 2012, Obninsk, GS RAS, 224p + CD-ROM, 2014), Southwestern Siberia

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, Time, Res, h, m, s, ISC

IDC 27 08:14:54.3±1.0, 26.65N; 99.88E, h0km, mb3.4/5, mb1 3.6/5, mb1mx3.4/7, mbtmp3.5/5, Error ellipse: s-maj=42.7km s-min=17.2km az=70.0

ISC 27 08:14:56.4±1.0, 26.80N; 100.1E, 0.13h0km, n7, e15377, mb3.6/6, Yunnan

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, Time, Res, h, m, s, ISC

BJI 27 08:21:47.0±3.3, 30S; 146.90E, h10km, mB5.0/5, mb4.6/8, Ms4.7/5, Ms7.4/2

IDC 27 08:21:48.8±1.0, 3.28S; 146.85E, h0km, mb4.1/11, mb1 4.3/12, mb1mx4.1/36, mbtmp4.1/12, ML3.6/1, MS3.9/21, Ms1 3.9/21, ms1mx3.9/28, Error ellipse: s-maj=35.3km s-min=16.3km az=100.0

NEIC 27 08:21:49.6±0.6, 3.29S; 146.94E, h10km, mb4.5/7, Error ellipse: s-maj=21.0km s-min=7.4km az=98.0

GCMT 27 08:21:53.6±0.3, 3.26S; 0.02; 146.91E; 0.03, h16km±1km, MW4.9/75, Moment Tensor Solution. s12,c12; s75,c92; Duration: 0 Moment tensor: Scale 10^10Nm; M0: 4.8±12; Mw: 0.23±11; Mw: 0.24±12; Mw: 1.75±42; Mw2: 10±09; Mw: 0.85±26; Best double couple: M2: 9.0300e+10; NP1: 1.273.0000e+10; NP2: 1.37.0000e+10; NP3: 1.74.0000e+10; NP4: 1.64.0000e+10; Principal axes: e1: 3.2140, Plg35.0000; Azm140.0000; N: -0.6220; Plg15.0000; Azm289.0000; P: -2.5930, Plg15.0000; Azm39.0000; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

ISC 27 08:21:52.0±0.8, 3.26S; 0.09; 147.0E; 0.2, h25km, n48, e1520/34, mb4.2/13, MS4.0/19, Bismarck Sea

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, Time, Res, h, m, s, ISC

2013 FEB

Table with columns: SONGO Songo Array, 62.02 330 eP, P, 08 32 12.1 +1.7, etc.

IDC 27 08:28:49.7±3.5, 11.50S; 164.93E, h0km, mb3.7/4, mb1 3.9/4, mb1mx3.5/33, mbtmp3.6/4, Error ellipse: s-maj=144.4km s-min=32.9km az=136.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, Time, Res, h, m, s, ISC

SOME 27 08:36:19.8±18.8, 42°57'N-79°67'E, h10km KRNET 27 08:36:19.4±0.1, 42°55'N-79°64'E, h15km, mb2.2 NNC 27 08:36:20.2±1.5, 42°58'N-79°61'E, h0km, mb2.3, mpv2.2, 13C-SD, Lake Issyk-Kul region

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, Time, Res, h, m, s, ISC

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, Time, Res, h, m, s, ISC

SOME 27 08:40:15.4±4.0, 20°N-77°72'E NNC 27 08:40:15.1±1.0, 8.44°26'N-77°66'E, h0km, mb2.7, mpv2.8, 6C-4D, Error ellipse: s-maj=6.8km s-min=3.8km az=162.0, Suspected Mining explosion, Kazakhstan

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, Time, Res, h, m, s, ISC

1924

Table with columns: CHKK Chushkaly, 0.69 234 P, Pg, 08 40 27.9 -0.4, etc.

UCR 27 08:40:45.8±2.1, 9°01'N-84°18'W, h8km±7km, MD4.3, 3C-4D, Costa Rica

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, Time, Res, h, m, s, ISC

IDC 27 08:59:00.2±1.8, 107°55'S-164°66'E, h0km, mb3.4/3, mb1 3.9/5, mb1mx3.6/32, mbtmp3.8/5, ML4.3/2, Error ellipse: s-maj=40.4km s-min=32.7km az=134.0, Santa Cruz Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, Time, Res, h, m, s, ISC

ISCJB 27 09:03:41.6±0.2, 17°84'S; 0°08'178.54W; 0.06, h570km, mb4.3/80, Error ellipse: s-maj=12.7km s-min=4.9km az=148.7

IDC 27 09:03:43.8±2.5, 18°23'S-178°40'W, h609km, 33km, mb3.8/11, mb1 4.1/12, mb1mx3.7/27, mbtmp4.7/12, Error ellipse: s-maj=30.7km s-min=12.7km az=159.0

NEIC 27 09:03:43.0±0.6, 17°83'S; 178°55'W, h588km±7km, mb4.3/67, Error ellipse: s-maj=9.6km s-min=4.3km az=154.0

ISC 27 09:03:41.9±0.5, 179S; 0.1; 178.48W; 0.09, h579km, n107, e1506/108, mb4.3/80, 1D, Fiji Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Op, Phase ID, Time, Res, h, m, s, ISC



Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like ONTNC Ouen Toro, KNTN Kanton, RAR Rarotonga, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like BW06 Boulder Array, PD31 Pinedale Array, PDAR Pinedale Array, etc.

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include stations like ISCJB 27 09:44:39.2.0.6, NEIC 27 09:44:44.2.0.4, NEIC 27 09:44:48.2.0.3, etc.



27d 10h

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Baumata, Fak Fak, Ende Flores, Warramunga Arr, etc.

ISK 27 10:05:09.1, 40.74N:40.62E, h14km, ML2.0/3
ISCJB 27 10:05:10.3, 0.6, 40.64N:0.05:40.49E:0.06, h21km, 10km, Error ellipse: s-maj=10.9km, s-min=4.1km, az=142.0

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CHOM, BAYT, BAYB, MACK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MEX 27 10:12:24.0, ACAPULCO, CAIG, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like RNSC 27 10:21:25.4, BARC, BARRC, etc.

2013 FEB

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like Santa Helena, San Jos de Ur, Villavicencio, etc.

NIED 27 10:24:00.41:50N:142.00E, h62km, Mw4.4 Best double couple: Mb4.18000x1015, NP1:207.00000, 320.00000, 1.0E 000000, NP2:19.00000, 870.00000, 1.67 000000

MOS 27 10:24:09.2:1.0, 41.51N:142.02E, h58km, mb4.8/36, Error ellipse: s-maj=6.8km s-min=4.9km az=102.0

JMA 27 10:24:10.6:0.1, 41.47N:142.02E, h66km, 2km, M4.1 Broadband fault plane solution: P waves. NP1: 23.00000, 876.00000, 1.98 000000, NP2:173.00000, 816.00000, 1.61 000000, Principal axes: T P1g58.00000, Azm304.00000, N P1g8.00000, Azm202.00000, P P1g31.00000, Azm107.00000

JMA Feb 11, 1. ISCJB 27 10:24:10.4:0.2, 41.50N:0.02:142.04E:0.03, h70km, 2km, mb4.5/71 Error ellipse: s-maj=4.4km s-min=2.7km az=43.6

NEIC 27 10:24:12.6:0.4, 41.54N:142.05E, h75km, 3km, mb4.6/28, Error ellipse: s-maj=5.6km s-min=3.8km az=137.0

NEIC Recorded (2 JMA) in Aomori, Honshu, ISC 27 10:24:12.0:0.5, 41.48N:0.03:142.07E:0.03, h73km, 4km, mb4.5/71, 13C-21D, Hokkaido region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like JAHN, JARK, JOT, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YUK, YUK, YUK, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like TEY, YSS, YSS, etc.

1926

Table with columns: Station Name, Time, Res, Code, Station Name, Az, Phase ID, Time, Res. Includes stations like KLR, KLR, KLR, etc.

SKR Severo-Kuril's 13.39 42I eP P 10 27 16.9 -1.8

PETK Petropavlovsk 15.70 37 eP P 10 27 47.8 -0.8

MA2 Magadan 18.92 14 I/P pmax P 10 28 26.0 -0.5

MA2 Magadan 18.92 14 P Pmax P 10 28 25.0 -1.6

MA2 Magadan 18.92 14 P Pmax P 10 28 26.1 -0.5

BJI Beijing 19.65 274 P Pmax P 10 28 33.3 -1.3

BJT Baijituau 19.66 274 P Pmax P 10 28 33.7 -1.1

YAK Yakutsk 21.89 344 eP P 10 28 55.3 -3.2

HHC Hu-ho-hao-te 22.92 279 eP Pmax P 10 29 10.0 +0.2

YHNB Yeheng 24.02 232 eP P 10 29 21.3 +1.2

BOD Bodaibo 24.18 322 eP Pmax P 10 29 19.3 -1.9

WHN Wuhan 24.83 253 P P 10 29 28.8 +1.5

TLW Tula 25.55 296 eP P 10 29 33.5 -0.4

TLW Tula 25.55 296 eP Pmax P 10 29 33.7 -0.2

TWG Pingang 25.61 230 eP P 10 29 36.3 +1.8

SONI Songino Array 25.98 296 eP P 10 29 37.5 -0.4

SONM Songino Array 25.98 296 P 10 29 37.4 -0.4

XAN Xi'an 27.11 265 pP Pmax P 10 40 48.2 +0.3

GUMO Guam 27.89 174 LR LR 10 40 33.8

TLY Talaya 28.01 305 eP P 10 29 56.2 +0.4

ZAK Zakamensk 28.13 302 eP Pmax P 10 29 55.8 -1.2

BILL Bilibino 29.64 18 I/P Pmax P 10 30 10.7 +0.7

LZH Lanzhou 30.10 272 eP P 10 30 14.5 -0.2

LZH Lanzhou 30.10 272 eP Pmax P 10 30 15.0 +0.4

LZH Lanzhou 30.10 272 eP Pmax P 10 30 15.0 +0.4

LZH Lanzhou 30.10 272 eP Pmax P 10 30 15.0 +0.4

LZH Lanzhou 30.10 272 eP Pmax P 10 30 15.0 +0.4



27d 11h

2013 FEB

1928

Table with columns: Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like MARE, PINN, Ouen Toro, etc.

Table with columns: NVAR, ULN, GTA, SONM, ILAR, WMQ, WMQ, MKAR, BOSA, MATP, TSUM, LANS, MORC, DPC, UJPC, YFHS, JAVC, BRG, BRG, VRAC, CLL, CLL, KRUC, PRU, KHC, GERES, TORD, TORD, MEX 27 11:14:55.70.5, R15V, R15V, CJM, NNC 27 11:19:11.6:9.5, MNAS, WRAB, WRA, MTN, FITZ, SANJ, CASY, MJAR, PJB, JNU, MDSI, GSPA, KRSR, KRSR, KSAR, YSS, MNSI, NJ2, USRK, PETK, PETK, TRTT, CN2, CN2, PHET, GYA, GYA, GYA, GYA, GYA, KLR, SRDT, SRDT, BJT, BJI, BJI, UMPA, LAMP, KMI, KMI, KMI, CMAR, XAN, XAN, XAN, CMMT, CHTO, CD2, HHC, HHC, SEY, CMB, YBH

Table with columns: QSAR, IPRN, ASAO, ASAO, OZZ, OZZ, IALA, IALA, NIED 27 11:24:00.23:80N, TAP 27 11:24:17.0, JMA 27 11:24:18.2, IDC 27 11:24:28.5, ISC 27 11:24:17.8, Code, Station Name, Az, Phase, ID, Time, Res. Includes stations like USAR, USAR, USAR, etc.





Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Gura Zlata, Strehala, Muntele Rosu, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like Fruska Gora, Selova, Mukachevo, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like CMAR, YKA, ZUR 27 12:30:31.4, etc.



27d 13h

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res, Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Las Esperanzas, Matias Romero, CMIG, etc.

ISCJB 27 13:10:19.4+0.7, 38.54N+0.05+27.63E+0.04, h11km, Error ellipse: s-maj=8.1km s-min=4.6km az=163.4

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Balcova, Zeytinkoy-Aydi, Manisa, etc.

ISCJB 27 13:22:41.4+3.0, 2.72N-91.40E, h0km, mb3.5/3, mb1 3.8/4, mb1mx3.4/4, mbtmp3.6/4, ML4.2/1, Error ellipse: s-maj=101.6km s-min=29.2km az=60.0, Off west coast of northern Sumatara

ISCJB 27 13:26:53.1+2.5, 23.61S-66.67W, h222km, mb3.2/1, mb1 3.4/4, mb1mx3.1/29, mbtmp3.9/4, MS3.0/1, Ms1 3.0/1, ms1mx2.4/11, Error ellipse: s-maj=55.0km s-min=30.1km az=172.0

ISCJB 27 13:26:54.1+0.9, 23.51S+0.08+66.9W+0.2, h259km, 20km, mb3.2/1, Error ellipse: s-maj=29.2km s-min=13.3km az=0.7

GUC 27 13:26:54.3+0.5, 23.56S+67.04W, h246km, 8km, ML3.7

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Limon Verde, IPOC Station P, etc.

2013 FEB

Table with columns: BDFB, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Brasilia, Torodi Arr, Beaa, etc.

IDC 27 13:31:24.2+1.6, 32.25S+177.97W, h0km, mb4.0/3, mb1 4.2/4, mb1mx3.8/36, mbtmp4.0/4, ML3.6/1, MS3.2/2, Ms1 3.1/2, ms1mx2.8/25, Error ellipse: s-maj=49.3km s-min=31.3km az=138.0

ISCJB 27 13:31:27.9+2.3, 32.24S+0.07+178.4W+0.3, h24km, mb4.1/5, MS3.2/1, Error ellipse: s-maj=36.0km s-min=17.8km az=179.8

NEIC 27 13:31:34.6+3.7, 32.55S+178.39W, h73km, 29km, mb4.7/7, Error ellipse: s-maj=35.7km s-min=19.7km az=212.0

ISC 27 13:31:27.9+1.3, 32.18S+0.09+178.2W+0.2, h24km, n24, o131/24, mb4.2/6, South of Kermadec Islands

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Urewera, Urewera, Urewera, etc.

IDC 27 13:31:52.0+2.0, 2.45S-128.60E, h0km, mb3.4/2, mb1 3.9/4, mb1mx3.5/44, mbtmp3.7/4, ML3.5/2, Error ellipse: s-maj=108.0km s-min=24.3km az=71.0, Ceram Sea

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Fitzroy Crossi, Warramunga Arr, etc.

JMA 27 13:34:57.5+0.1, 23.84N-122.46E, h19km, M3.2

TAP 27 13:34:58.3+23.84N, 122.47E, h27km, ML3.5, D

ISC 27 13:34:55.5+1.1, 23.79N+0.02+122.48E+0.02, h9km, gkm, n116, o0972/216, 1D, Taiwan region

Table with columns: Code, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Yonagunijimaku, Shoufeng, Hwaiien, etc.

1932

Table with columns: ENTT, Station Name, Az, Az2, Phase ID, Time, Res. Includes stations like Neicheng, Datong Townshi, etc.

Table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations 1933-1934.

Main table with columns: Call Sign, Frequency, Mode, Power, and other technical details for stations 1935-1936.

Table with columns: Code, Station Name, Frequency, Mode, Power, and other technical details for stations 1937-1938.

27d 15h

SOME 27 14:50:50.1, 45.78N, 76.65E, h15km
ISC 27 14:50:49.8, 3.45, 8N, 0.1:76.6E, 0.1, h10km, n8,
o#64/14, Eastern Kazakhstan

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like ARXS Arharly, ARXS Arharly, ARXS Arharly, etc.

SOME 27 14:53:49.7, 42.62N, 79.58E, h10km
KRNET 27 14:53:49.9, 0.1, 42.62N, 79.58E, h19km, mb3.0
NNC 27 14:53:50.1, 0.7, 42.62N, 79.57E, h0km, mb3.3, mpv3.1,
Error ellipse: s-maj=5.0km s-min=2.5km az=133.0
ISC 27 14:53:50.2, 1.5, 42.60N, 0.05:79.57E, 0.04, h19km, 3km,
n55, e#170/95, 25C-12D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like SHLS Shalkode, SHLS Shalkode, SHLS Shalkode, etc.

2013 FEB

Main table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like MTBS Maibute, MTBS Maibute, MTBS Maibute, etc.

GUC 27 15:00:03.5-0.3, 22.23S, 66.47W, h292km, 22km, MW4.6,
Jujuy Province

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like PB06 IPOC Station P, PB15 IPOC Station P, etc.

NEIC 27 15:48:12.5-0.0, 19.10N, 68.02W, h103km, 5km, MD3.4 (RSPR),
After RSPR.

RSPR 27 15:48:12.5, 19.10N, 68.02W, h103km, 5km, MD3.4/11,

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like IDE Isla Desecheo, IDE Isla Desecheo, etc.

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CBYP Col San Antoni, HUMP Col San Antoni, etc.

IDC 27 15:51:13.8, 2.6, 19.28S, 176.26W, h0km, mb3.8/4,
mb1 4.1/4, mb1mx3.7/4.1, mbtmp3.8/4, Error ellipse:
s-maj=253.9km s-min=31.2km az=161.0, Fiji Islands
region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like CTA Charters Tower, ASAR Alice Springs, WRA Warrungarra Arr, TXAR Taroa.

ISC 27 15:56:09.7, 0.3, 3.50S, 0.02:78.78W, 0.04, h107km, 2.9km,
mb4.3/22, Error ellipse: s-maj=7.4km s-min=3.9km
az=12.1

IGQ 27 15:56:09.0, 0.3, 4.1S, 3.7W, h12km, mb5.2, mB5.2,
MLV5: 1.1Mw(mB3.4)

NEIC 27 15:56:10.0, 0.0, 3.51S, 78.67W, mb4.5/15, MW4.6 (IGQ),
Error ellipse: s-maj=11.8km s-min=4.8km az=76.0
NEIC Felt at Cuenca, Loja and Zamora, Ecuador,
IDC 27 15:56:10.0, 0.0, 6.3, 4.0S, 78.65W, h94km, 5km, mb3.9/13,
mb1 4.0/16, mb1mx3.9/33, mbtmp4.3/16, MS3.1/1,
Ms1 3.1/1, ms1mx2.7/33, Error ellipse: s-maj=18.3km
s-min=11.5km az=66.0

ISC 27 15:56:09.7, 0.5, 3.52S, 0.04:78.74W, 0.05, h89km, 5km,
n177, e#154/186, mb4.4/22, 10C, Peru-Ecuador border
region

Large table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like GONZ Gonzanam, GONZ Gonzanam, COHC Cochancay, etc.





Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like H08S1 Diego Garcia H, H08S3 Diego Garcia H, TORD Torodi Ar Bea, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PFVI Vila Bisbo, PFVI Vila Bisbo, PFVI Vila Bisbo, etc.

Table with columns: ECAB, EI Cabril, Time, Res. Includes stations like ECAB EI Cabril, ECAB EI Cabril, ECAB EI Cabril, etc.

WEL 27 17:02:44.8, 1.0, 34.7, 18.0E, 1.6, h33km, ML4.7/23
IDC 27 17:02:44.1, 8.0, 3.4, 86S, 179.80W, h21km, 8.4km, mb3.1/2,
mb1 3.5/3, mb1mx3.2/6, mbtmp3.9/3, Error ellipse:
s-maj=113.4km s-min=43.9km az=179.0

ISC 27 17:02:39.0, 1.9, 34.23S, 0.10, 179.8W, 0.2, h150km, n53,
c197/64, South of Kermadec Islands

Main table listing station data for the first section, including Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like MXZ Matakaoa Point, WMGZ Waomatatini S, HAZ Te Kaha, etc.

Main table listing station data for the second section, including Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PMAFR Mafra, PMAFR Mafra, PMAFR Mafra, etc.

Main table listing station data for the third section, including Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ECAB EI Cabril, ECAB EI Cabril, ECAB EI Cabril, etc.

IDC 27 17:13:08.2, 1.9, 2.73S, 130.69E, h0km, mb3.6/2,
mb1 3.9/4, mb1mx3.5/3, mbtmp3.7/4, ML3.5/2, Error
ellipse: s-maj=113.7km s-min=25.6km az=75.0, Seram

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like FITZ Fitzroy Crossi, WRA Waramunga Arr, ASAR Alice Springs, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PCAS Casimio, PCAS Casimio, PCAS Casimio, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PFVI Vila Bisbo, PFVI Vila Bisbo, PFVI Vila Bisbo, etc.

IDC 27 17:26:46.3, 0.9, 15.30S, 173.79W, h0km, mb3.8/6,
mb1 4.0/6, mb1mx3.7/29, mbtmp3.8/6, Error ellipse:
s-maj=38.1km s-min=23.1km az=126.0,
IS/CJB 27 17:26:56.7, 0.9, 15.30S, 0.2, 174.0W, h0km, mb3.6/6,
Error ellipse: s-maj=34.5km s-min=20.4km az=33.6

ISC 27 17:26:58.2, 0.1, 15.3S, 0.2, 173.9W, 0.3, h94km, n13,
c0540/7, mb3.7/6, Tonga Islands

Main table listing station data for the first section of the second part, including Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like URZ Urewera, H11S2 WAKE ISLAND, H11S3 WAKE ISLAND, etc.

Main table listing station data for the second section of the second part, including Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like PMAFR Mafra, PMAFR Mafra, PMAFR Mafra, etc.

Main table listing station data for the third section of the second part, including Code, Station Name, Az, AzZ, Phase ID, Time, Res. Includes stations like ECAB EI Cabril, ECAB EI Cabril, ECAB EI Cabril, etc.

MDD 27 17:43:28.2, 1.5, 37.24N, 12.65W, h0km, mb4.3/14, Error
ellipse: s-maj=13.8km s-min=11.2km az=68.0, PRXIMO

IS/CJB 27 17:43:28.0, 8.0, 37.37N, 0.03, 12.44W, 0.05, h10km, Error
ellipse: s-maj=6.0km s-min=4.6km az=168.5

LDG 27 17:43:28.4, 0.5, 37.08N, 12.96W, h30km, Md3.9/3, MI3.4/3,
Error ellipse: s-maj=9.3km s-min=7.7km az=71.0

IGL 27 17:43:28.0, 37.20N, 12.86W, h20km, ML2.6

INMG 27 17:43:29.3, 1.3, 37.05N, 13.07W, h10km, ML2.7, Error
ellipse: s-maj=6.3km s-min=4.9km az=85.0

CNRM 27 17:43:31.2, 27.06N, 12.58W, h136km

ISC 27 17:43:26.5, 1.6, 37.30N, 0.04, 12.57W, 0.07, h10km, n79,
c2511/104, 1, Azores-Cape St. Vincent Ridge

ISC 27 17:43:26.5, 1.6, 37.30N, 0.04, 12.57W, 0.07, h10km, n79,
c2511/104, 1, Azores-Cape St. Vincent Ridge

ISC 27 17:43:26.5, 1.6, 37.30N, 0.04, 12.57W, 0.07, h10km, n79,
c2511/104, 1, Azores-Cape St. Vincent Ridge

ISC 27 17:43:26.5, 1.6, 37.30N, 0.04, 12.57W, 0.07, h10km, n79,
c2511/104, 1, Azores-Cape St. Vincent Ridge

ISC 27 17:43:26.5, 1.6, 37.30N, 0.04, 12.57W, 0.07, h10km, n79,
c2511/104, 1, Azores-Cape St. Vincent Ridge

ISC 27 17:43:26.5, 1.6, 37.30N, 0.04, 12.57W, 0.07, h10km, n79,
c2511/104, 1, Azores-Cape St. Vincent Ridge

IGL 27 17:47:29.9, 37.26N, 12.73W, h1km

MDD 27 17:47:30.6, 2.3, 37.33N, 12.73W, h0km, mb3.6/2, Error
ellipse: s-maj=19.9km s-min=16.0km az=168.0, PRXIMO

INMG 27 17:47:32.0, 1.4, 37.13N, 13.11W, h10km, ML2.2, Error
ellipse: s-maj=11.0km s-min=8.3km az=103.0

ISC 27 17:47:31.2, 3.2, 37.41N, 0.08, 12.5W, 0.1, h10km, n29,
c239/51, Azores-Cape St. Vincent Ridge

ISC 27 17:47:31.2, 3.2, 37.41N, 0.08, 12.5W, 0.1, h10km, n29,
c239/51, Azores-Cape St. Vincent Ridge

ISC 27 17:47:31.2, 3.2, 37.41N, 0.08, 12.5W, 0.1, h10km, n29,
c239/51, Azores-Cape St. Vincent Ridge





1939

Table of astronomical observations for 1939, listing stations (e.g., YFT, H17A), station names, coordinates, and observation details.

2013 FEB

Table of astronomical observations for 2013 FEB, listing stations (e.g., WVT, WVT), station names, coordinates, and observation details.

27d 18h

Table of astronomical observations for 27d 18h, listing stations (e.g., ZARC, ZARC), station names, coordinates, and observation details.

27d 19h

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like YKA Yellowknife Arr, YKBS Yellowknife Arr, DLBC Dease Lake, etc.

IDC 27 18:50:32.0.2.3, 848S:121.52E, h0km, mb3.3/1, mb1 3.4/3, mb1mx3.2/3, mbmtmp3.2/3, ML2.6/2, Error ellipse: s-maj=273.9km s-min=29.0km az=54.0, Flores region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.

ISCJB 27 18:51:25.8.0.4, 6.47S:129.90E:0.09, h10km, mb4.2/1, MS3.1/4, Error ellipse: s-maj=13.9km s-min=5.8km az=161.5

IDC 27 18:51:27.5.0.9, 6.32S:129.94E, h0km, mb3.9/7, mb1 4.0/9, mb1mx2.8/3, mbmtmp3.9/9, ML3.7/2, MS3.2/6, Ms1 3.2/6, ms1mx2.9/26, Error ellipse: s-maj=42.1km s-min=17.7km az=67.0

NEIC 27 18:51:27.8.1.0, 6.51S:129.90E, h13km, mb4.6/8, Error ellipse: s-maj=31.2km s-min=13.0km az=84.0

ISC 27 18:51:27.8.0.7, 6.56S:130.0E:0.1, h10km, n31, c214/32, mb4.5/11, MS3.1/4, Banda Sea region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SAUI Saumlaki, FAKI Fak Fak, FITZ Fitzroy Crossi, etc.

KRNET 27 18:53:53.0.0.1, 41.73N:79.10E, h22km, mb2.9, NNC 27 18:53:53.8.1.0, 41.76N:79.08E, h0km, mb3.5, mpv3.2, Error ellipse: s-maj=6.9km s-min=3.7km az=153.0

ISC 27 18:53:50.7.2.4, 41.51N:0.008:79.16E:0.06, h6km, n11km, n43, c212/62, 24C-24D, Kyrgyzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PRZ Przeval'sk, KDJ Kajisay, UZB Uzunbulak, etc.

2013 FEB

Main table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like SATY, SHLS Shalooke, PDGK Podgornoye, etc.

MEX 27 18:57:31.7.0.7, 16.22N:98.71W, h1km, 7km, MD3.9, Near coast of Guerrero

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PNIG Pinotepa, etc.

ISCJB 27 19:15:16.6.0.5, 37.40N:0.04:36.47E:0.03, h5km, 6km, Error ellipse: s-maj=7.0km s-min=3.8km az=24.9

1940

DDA 27 19:15:16.2.37.41N:36.48E, h7km, 2km, ML3.2, ISK 27 19:15:16.0.37:36N:36.47E, h7km, ML1.9/7, ISC 27 19:15:16.3.1.0, 37.39N:0.04:36.47E:0.03, h11km, 9km, n17, c043/23, Turkey

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like ANDN Andirin, HCB Kahramanmara, KMRS Kahramanmara, etc.

IDC 27 19:22:41.6.2.7, 6.95S:125.38E, h531km, 30km, mb3.0/3, mb1 3.3/6, mb1mx2.8/3, mbmtmp4.2/6, Error ellipse: s-maj=45.1km s-min=16.1km az=62.0

ISC 27 19:22:39.9.1.3, 6.95S:125.5E:0.23, h511km, n6, c079/9, Banda Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like FITZ Fitzroy Crossi, WRA Warramunga Arr, ASAR Alice Springs, etc.

MEX 27 19:23:11.0.0.3, 16.28N:97.99W, h4km, 8km, MD3.6, Oaxaca

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like PNIG Pinotepa, etc.

ISCJB 27 19:23:40.4.0.2, 41.73N:0.02:110.65W:0.04, h0km, Error ellipse: s-maj=4.7km s-min=2.9km az=178.6

NEIC 27 19:23:41.0.0.3, 41.72N:110.64W, h0km, ML2.6, Error ellipse: s-maj=5.0km s-min=3.3km az=87.0, Suspected Wining explosion

NEIC 11 km (7 miles) SW of Kemmerer, IDC 27 19:23:41.2.1.5, 41.80N:110.73W, h0km, mb2.5/1, mb1 3.2/2, mb1mx3.1/40, mbmtmp2.8/2, Error ellipse: s-maj=32.7km s-min=6.1km az=146.0

ISC 27 19:23:40.7.0.9, 41.77N:0.02:110.68W:0.03, h0km, n71, c1910/71, Wyoming

Table with columns: Code, Station Name, Az, Az', Phase ID, Op, ISC, Time, Res, h, m, s, ISC. Includes stations like HWUT Hardware Ranch, TCUT Toone Canyon, AHID Auburn Hatcher, etc.



Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes stations like YAK Yakutsk, USMR Ust'-Maya, MA2 Magadan, BILL Bilibino, CGD Chagda, ALDR Aldan, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes GERES GERESS Array B, NV01 Mina Array Sit, BR101 Keskin Array S, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes ONAJ Iwakimizuishiy, JFK Kawauchi, FJK Fikushimafurud, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes WTSB Winterswijk, HGN Heimansgroeve, BEBN Eben Emael, etc.

SOME 27.21:20.21.8, 42:55N:79:72E, h15km
KRNET 27.21:20.23.4, 1.42:61N:79:66E, h17km, mb2.8

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes SHLS Shalkode, SHLS Shalkode, SHLS Shalkode, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes PRZ Przewalski, KURS Kuram, KURS Kuram, etc.

Table with columns: Station Name, Frequency, Band, Mode, and other parameters. Includes KOTS Kotyrbulak, MDOX Medeo, ARXS Arharly, etc.

IDC 27.21:45:09.0, 1.3, 34:26N:85:72E, h0km, mb3.5/3
IDC 27.21:45:09.0, 1.3, 34:26N:85:72E, h0km, mb3.5/3

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes DANN Dangsing, GUN Gumba, PYUN Pyuthan, etc.

Table with columns: Code, Station Name, Frequency, Band, Mode, and other parameters. Includes BATM Batumi, BATM Batumi, BATM Batumi, etc.

1943

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like DBAD Bademkaya, DADI Agillar, NEY Neytrino, etc.

IDC 27 21:58:42.2.1.2, 1.1'60S:165.44E, h0km, mb3.9/5, mb1 4.3/7, mb1mx3.8/42, mbtmp4.1/7, ML4.3/2, MS3.0/1, Ms1 3.0/1, ms1mx2.7/28, Error ellipse: s-maj=35.9km s-min=25.0km az=146.0

ISCJB 27 21:58:44.3.0.0, 11.7'53S:0.08:165.3E:0.1, h24km, mb3.9/5, Error ellipse: s-maj=16.4km s-min=8.5km az=144.9

ISC 27 21:58:46.1.0.1, 11.6'S:0.1:165.4E:0.1, h24km, n7, r=134/9, mb3.9/5, Santa Cruz Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like HNR Honiara, HNR Lasithi, DZM Mont Dzumac, etc.

ISCJB 27 22:05:55.6.0.1, 36.53N:0.01:26.49E:0.01, h155km, 1km, mb3.9/18, Error ellipse: s-maj=2.3km s-min=1.6km az=1

IDC 27 22:05:56.3.1.0, 36.6'60N:26.38E, h150km, 10km, mb3.6/15, mb1 3.8/29, mb1mx3.6/52, mbtmp4.2/29, Error ellipse: s-maj=12.1km s-min=9.7km az=2.0

ATH 27 22:05:56.3.36:58N:26.45E, h150km, 2km, ML4.6/14, Error ellipse: s-maj=2.2km s-min=0.9km az=143.0

NEIC 27 22:05:56.3.0.0, 36.58N:26.45E, h150km, mb4.1/10, ML4.3(TH), ML4.6(ATH), After ATH.

NEIC Felt at Irakleio. HLW 27 22:05:56.4.36:50N:26.68E, h22km, 40km, MD4.8

DDA 27 22:05:57.6.36:73N:26.51E, h140km, 1km, ML4.1

PDG 27 22:05:57.1.0.5, 36.57N:26.47E, h160km, 2km, ML4.4/2, Error ellipse: s-maj=0.9km s-min=0.8km az=90.0

GII 27 22:05:58.0.2.36:41N:26.63E, h161km, mb4.3/5, MD4.2/5

ISK 27 22:05:58.6.36:63N:26.44E, h98km, 3km, ML4.1/27

THE 27 22:05:58.9.36:57N:26.47E, h161km, 2km, ML4.2/6, Error ellipse: s-maj=2.0km s-min=0.6km az=321.0

NIC 27 22:05:58.2.0.2, 36.93N:26.95E, h17km, mb4.5, ML4.0

ISC 27 22:05:55.9.0.5, 36.58N:0.03:26.36E:0.03, h145km, 4km, n398, r=186/484, mb3.9/19, 33C-32D, Dodocanes Islands

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like AMGA Amorgos Island, ANAF Anafi Island, NISR Nisiros, etc.

2013 FEB

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like NPS Neapolis, ZKR Zakros, ZKR Zakros, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like ZKR Zakros, ARG Arkhangelos, ARG Arkhangelos, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like ARG Arkhangelos, MRSB Marmaris-Mugla, DGB zmir, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like MHLA Plaka, Milos I, LAST Lasithi, LAST Lasithi, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like SERI Serifos, AYDN Tasoluk, YER Yerkesik, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like IDI Anoyia, IDI Anoyia, IDI Anoyia, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like URLA Izmir, URLA Izmir, URLA Izmir, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like TURN Turunc, TURN Turunc, CHOS Chios Island, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like AYDB Zeytinokoy-Aydi, DALY Dalian (Mula), DALY Dalian, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like BLBC Balçova, KRBK Karaburun, PSRA Psara, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like VAM Vamos, VAM Vamos, FOCM Fethiye, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like FETY Fethiye, FETY Fethiye, TAVA DENIZLI Tavas, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like IMMV Iera Moni Meta, IMMV Iera Moni Meta, IMMV Iera Moni Meta, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like VLY Voula, Athens, DENT Denizli, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like GOMA Goltamara-Man, GOML Penteli, ATH Athens Univers, etc.

27d 22h

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like ELL Emali, VIL2 Platees, STEP BALKESIR\_Sava, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like UAK Uak-Merkez, LOUT Loutraki, MRKA Markates, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like KHAL Karahalli, KHAL Karahalli, LOUtraki, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like DEMI Demirci, BRDR BURDUR-Merkez, BRDR BURDUR-Merkez, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like BAYC CANAKKALE\_Bayr, AKUM Antalya-Kumluc, AKUM Antalya-Kumluc, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like PROD Prodromos, KORT Korkuelli, KORT Korkuelli, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like EZN Ezine, EZN Ezine, AOS Alonissos, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like VLX Vlachokerasia, BAYL Balya, BAYL Balya, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like KEMT Kemer-ANTALYA, ATAL Atalanti, SMIA Simia, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like TRIP Tripoli, KZIL AFYON\_Kizoren, KZIL AFYON\_Kizoren, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like LJA Limnos Island, LJA Limnos Island, GEDZ Gurdunbey, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like SKIA Skiathos, ANTB Antalya, GUR Bucak, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like BCK Bucak, GZD Gediz, GZD Gediz, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like ISP Isparta, ISP Isparta, ISP Isparta, etc.

Table with columns: Code, Station Name, Az, Op, Phase ID, ISC, h, m, s, Res, ISC. Includes stations like ITM Ithomi, ITM Ithomi, ITM Ithomi, etc.



27x22h

Table of astronomical observations for 27x22h, listing stations like HCY, HCY, HCY, etc., with columns for station name, coordinates, and time.

2013 FEB

Table of astronomical observations for 2013 FEB, listing stations like CLL, CLL, CLL, etc., with columns for station name, coordinates, and time.

1944

Table of astronomical observations for 1944, listing stations like POPM, POPM, POPM, etc., with columns for station name, coordinates, and time.



27d 22h

Table with columns for call sign, name, frequency, and other details. Includes stations like PV11 David Mesa, Pa, PV03 Paradox Valley, etc.

2013 FEB

Table with columns for call sign, name, frequency, and other details. Includes stations like ULM Lac du Bonnet, ULM Lac du Bonnet, etc.

1946

Table with columns for call sign, name, frequency, and other details. Includes stations like G39A Holcombe, H39A Augusta, L39A Vinton, etc.

1947

X40A	Basin Creek Fa	27.50	97	eP	P	22 31 31.3 +1.6
X40A	Basin Creek Fa	27.50	97	P	P	22 31 29.4 -0.3
WHAR	Woolly Hollow	27.53	95	eP	P	22 31 31.0 +1.0
S42A	Caledonia	27.58	89	P	P	22 31 29.1 -1.3
NATX	Nacogdoches	27.59	104	eP	P	22 31 30.7 +0.2
NATX	Nacogdoches	27.59	104	P	P	22 31 30.1 -0.4
J43A	Natural Harves	27.60	76	P	P	22 31 29.5 -1.0
W41B	Gary Mavity, V	27.61	95	eP	P	22 31 31.7 +1.0
W41B	Gary Mavity, V	27.61	95	P	P	22 31 30.9 +0.3
T42A	Van Buren	27.66	91	eP	P	22 31 31.4 +0.3
T42A	Van Buren	27.66	91	P	P	22 31 30.8 -0.2
L43A	Garden Prairie	27.66	79	P	P	22 31 30.7 -0.3
I43A	Langenfeld Bro	27.68	75	P	P	22 31 31.1 -0.2
N43A	Stutzman Famil	27.69	82	P	P	22 31 31.0 -0.3
WLAR	White Oak Lake	27.69	99	eP	P	22 31 33.6 +2.3
M43A	Walham Townsh	27.70	81	P	P	22 31 31.3 -0.1
HD1L	Hopedale	27.72	83	eP	P	22 31 31.8 +0.3
HD1L	Hopedale	27.72	83	P	P	22 31 31.7 +0.1
G43A	Wallace	27.75	72	P	P	22 31 31.5 -0.3
FVM	French Village	27.77	88	eP	P	22 31 32.3 +0.2
FVM	French Village	27.77	88	eP	P	22 31 32.3 +0.2
O43A	Sugar Creek Fa	27.79	83	P	P	22 31 32.4 +0.2
HKT	Hockley	27.80	108	eP	P	22 31 34.8 +2.5
HKT	Hockley	27.80	108	eP	P	22 31 34.8 +2.5
K43A	Burlington	27.82	78	P	P	22 31 32.4 -0.1
U42A	Reviden	27.83	92	P	P	22 31 32.7 +0.1
P43A	Skaggs, Pawnee	27.84	85	P	P	22 31 32.6 -0.1
Q43A	New Douglas	27.95	86	P	P	22 31 33.4 -0.3
F43A	Flat Rock, Esc	28.02	71	P	P	22 31 33.9 -0.3
R43A	Red Bud	28.02	87	P	P	22 31 34.7 +0.4
Z41A	Richard Creek	28.13	99	P	P	22 31 35.4 +0.1
S43A	Fulton Ridge,	28.18	89	P	P	22 31 35.5 -0.3
UNAV	Unalaska Valle	28.19	306	eP	P	22 31 36.7 +1.1
PBMO	Poplar Bluff	28.24	91	eP	P	22 31 37.1 +0.8
TOLK	Toolik Lake Re	28.24	342	eP	P	22 31 37.7 +1.6
TOLK	Toolik Lake Re	28.24	342	P	P	22 31 36.4 +0.3
L44A	Lake County Fo	28.25	79	P	P	22 31 35.8 -0.5
M44A	Midewin, Midew	28.38	80	P	P	22 31 37.2 -0.2
U43A	Rector	28.43	91	P	P	22 31 37.8 -0.2
Q44A	Mansfield	28.44	83	P	P	22 31 38.0 0.0
Q44A	Meyer Farm, Va	28.46	86	eP	P	22 31 42.2 +3.9
Q44A	Meyer Farm, Va	28.46	86	P	P	22 31 38.0 -0.3
N44A	Piper City	28.48	81	P	P	22 31 38.1 -0.3
P44A	Sand Creek, Wi	28.56	84	P	P	22 31 39.3 +0.2
R44A	Waltonville	28.65	87	P	P	22 31 40.2 +0.2
LNIG	Linares	27.71	121	eP	P	22 31 41.2 +0.6
S44A	Carbondale	28.74	88	P	P	22 31 40.8 +0.1
SIUC	Southern Illin	28.76	88	eP	P	22 31 41.3 +0.5
N45A	Kentland	28.92	81	P	P	22 31 42.5 +0.2
Q45A	Warren Harvey,	29.09	85	P	P	22 31 44.0 +0.1
P45A	Graceland, Par	29.17	84	eP	P	22 31 45.1 +0.6
P45A	Graceland, Par	29.17	84	P	P	22 31 44.7 +0.1
F45A	CMU Biological	29.18	71	P	P	22 31 44.4 -0.2
OL1L	Olney	29.19	85	eP	P	22 31 45.8 +1.1
G45A	Suttons Bay	29.20	72	P	P	22 31 45.0 +0.1
R45A	Skylar, Fairir	29.22	86	P	P	22 31 45.0 +0.1
E45A	Wooded Hills,	29.30	69	P	P	22 31 45.6 0.0
SFIN	Lafayette	29.36	82	eP	P	22 31 47.1 +0.8
SFIN	Lafayette	29.36	82	P	P	22 31 46.2 0.0
N46A	Monticello	29.46	81	P	P	22 31 47.5 +0.4
P46A	Rosedale	29.53	83	P	P	22 31 48.0 +0.3
J46A	Howard City	29.57	75	P	P	22 31 48.5 +0.5
H46A	Reed City	29.58	74	P	P	22 31 47.9 -0.2
Q46A	CEJHS Indians,	29.63	85	P	P	22 31 48.8 +0.2
F46A	Macinaw City C	29.69	70	P	P	22 31 49.2 +0.1
USIN	University of	29.79	87	eP	P	22 31 50.5 +0.5
R46A	Gibson Southern	29.81	86	P	P	22 31 50.6 +0.3
W45A	Hickory Valley	29.85	93	P	P	22 31 50.6 0.0
S46A	Don Dixon Farm	29.87	87	P	P	22 31 50.8 +0.1
E46A	Sault Ste Mari	29.90	69	P	P	22 31 51.0 +0.1
OXF	Oxford	29.98	94	eP	P	22 31 51.7 -0.1
OXF	Oxford	29.98	94	eP	P	22 31 51.7 -0.1
OXF	Oxford	29.98	94	P	P	22 31 52.1 +0.3
D46A	Sault St. Mari	30.00	68	P	P	22 31 52.2 +0.4
O47A	Sheridan	30.08	82	P	P	22 31 52.9 +0.3
BLO	Bloomington	30.18	84	eP	P	22 31 54.2 +0.7
BLO	Bloomington	30.18	84	eP	P	22 31 54.2 +0.7
J47A	Summer	30.18	75	P	P	22 31 53.2 -0.3
I47A	Gladwin	30.22	74	P	P	22 31 54.1 +0.3
N47A	Urbana	30.22	80	P	P	22 31 54.1 +0.3
P47A	Martinsville	30.26	83	P	P	22 31 54.4 +0.2
H47A	Mio	30.30	72	P	P	22 31 54.4 -0.1

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Q47A	Bedord North L	30.34	84	P	P	22 31 55.0 +0.2
V46A	Holladay	30.35	91	P	P	22 31 55.3 +0.3
WVT	Waverly	30.42	90	eP	P	22 31 56.1 +0.5
WVT	Waverly	30.42	90	eP	P	22 31 56.1 +0.5
WVT	Waverly	30.42	90	P	P	22 31 55.8 +0.2
R47A	Woolly Knot Far	30.50	85	P	P	22 31 56.6 +0.3
S47A	Hartford	30.51	87	P	P	22 31 56.4 0.0
X46A	Booneville	30.57	93	P	P	22 31 57.0 0.0
ANM	Nome	30.58	328	eP	P	22 31 59.1 +2.4
ANM	Nome	30.58	328	eP	P	22 31 59.1 +2.4
E47A	Iron Bridge	30.59	69	P	P	22 31 57.4 +0.5
T47A	Sharon Grove	30.59	88	eP	P	22 31 57.7 +0.6
T47A	Sharon Grove	30.59	88	P	P	22 31 57.1 0.0
WCI	Wyandotte Cave	30.70	85	eP	P	22 32 02.0 +4.0
WCI	Wyandotte Cave	30.70	85	eP	P	22 32 02.0 +4.0
WCI	Wyandotte Cave	30.70	85	P	P	22 31 57.7 -0.4
N48A	Decatur	30.71	80	P	P	22 31 57.4 -0.7
M48A	Edgerton	30.74	79	P	P	22 31 58.0 -0.4
PLAL	Pickwick Lake	30.74	92	eP	P	22 31 59.1 +0.7
K48A	Perry	30.79	76	P	P	22 31 59.2 +0.3
L48A	N Adams	30.81	78	P	P	22 31 58.9 -0.1
O48A	Farmly	30.81	81	P	P	22 31 58.4 -0.6
Q48A	North Vernon	30.85	84	P	P	22 31 59.2 -0.2
P48A	Milroy	30.88	83	P	P	22 31 58.9 -0.8
W47A	Westpoint	30.97	92	P	P	22 32 00.5 0.0
T48A	Bowling Green	31.06	87	P	P	22 32 01.6 +0.3
S48A	Wiedeman Farm,	31.09	86	P	P	22 32 01.5 0.0
F48A	Evansville	31.15	70	P	P	22 32 02.0 +0.1
L49A	Milan	31.24	77	P	P	22 32 03.0 +0.2
K49A	Clarkson	31.27	76	P	P	22 32 03.3 +0.3
M49A	Liberty Center	31.27	78	P	P	22 32 03.1 0.0
N49A	Columbus Grove	31.30	79	eP	P	22 32 03.8 +0.5
N49A	Columbus Grove	31.30	79	P	P	22 32 03.3 0.0
V48A	Smith Brothers	31.32	90	eP	P	22 32 04.2 +0.6
V48A	Smith Brothers	31.32	90	P	P	22 32 04.0 +0.4
E48A	Lockeyer	31.34	68	P	P	22 32 03.7 +0.1
P49A	Miami Univ. Ec	31.37	82	P	P	22 32 03.6 -0.4
RDOG	Red Dog Mine	31.45	335	eP	P	22 32 05.9 +1.5
D48A	Paudash Townsh	31.46	67	P	P	22 32 05.1 +0.4
U49A	Red Boiling Sp	31.75	88	P	P	22 32 07.7 +0.3
L50A	Kingsville	31.94	77	P	P	22 32 09.0 +0.1
O50A	Cable	31.95	81	P	P	22 32 09.4 +0.2
M50A	Front	31.96	78	P	P	22 32 08.8 -0.4
V49A	McMinville	31.98	89	P	P	22 32 08.8 -0.6
W49A	Bellevue	32.01	91	P	P	22 32 08.9 -0.7
P50A	Jamestown	32.01	82	P	P	22 32 09.4 -0.2
N50A	Nevada	32.09	79	P	P	22 32 09.9 -0.4
R50A	Paris	32.11	84	P	P	22 32 10.2 -0.3
SWET	Sewanee	32.20	90	eP	P	22 32 12.3 +0.8
X49A	Woodville	32.24	92	P	P	22 32 12.1 +0.5
S50A	Richmond	32.29	85	P	P	22 32 12.4 +0.3
E50A	Wahnapitae	32.32	68	P	P	22 32 12.0 -0.2
ACSO	Alum Creek Sta	32.38	80	eP	P	22 32 13.4 +0.5
ACSO	Alum Creek Sta	32.38	80	P	P	22 32 12.6 -0.3
Y49A	Blount Mountai	32.48	93	P	P	22 32 13.8 0.0
BWLO	Walkerton	32.55	72	P	P	22 32 13.2 -1.1
P51A	Williamsport	32.59	81	eP	P	22 32 15.1 +0.4
P51A	Williamsport	32.59	81	P	P	22 32 14.2 -0.4
N51A	Ashland	32.59	79	P	P	22 32 14.8 +0.1
M51A	Elyria	32.60	78	P	P	22 32 14.9 +0.2
V50A	Pikeville	32.61	89	P	P	22 32 15.3 +0.4
R51A	Hillsboro	32.64	84	P	P	22 32 14.7 -0.4
W50A	Signal Mountai	32.67	90	eP	P	22 32 16.1 +0.7
W50A	Signal Mountai	32.67	90	P	P	22 32 15.9 +0.5
ELFO	Elginfield	32.67	74	P	P	22 32 14.7 -0.6
O51A	Pataaskala	32.69	80	P	P	22 32 16.0 +0.4
I51A	Listowel	32.71	73	P	P	22 32 16.3 +0.5
X50B	Fort Payne	32.76	91	P	P	22 32 16.4 +0.1
149A	Jones	32.82	95	P	P	22 32 16.8 0.0
GAMB	Gambell	32.87	325	eP	P	22 32 17.5 +0.7
KLBO	Killbuck Provi	32.90	70	P	P	22 32 17.8 +0.5
249A	Camden	32.90	97	P	P	22 32 17.5 +0.1
T51A	Gray	32.91	86	P	P	22 32 17.5 0.0
Y50A	Piedmont	32.96	92	P	P	22 32 18.3 +0.3
F51A	Arnstein	32.98	69	P	P	22 32 18.4 +0.4
W51A	Cleveland	33.09	90	P	P	22 32 19.5 +0.4
U51A	La Follette	33.10	87	P	P	22 32 19.7 +0.5
D51A	Lot 18 Range I	33.11	67	P	P	22 32 19.5 +0.3
N52A	McGinn's Farm,	33.12	78	P	P	22 32 19.2 -0.1
M52A	Chesterland	33.12	77	P	P	22 32 19.3 0.0
Z50A	Ashland	33.13	94	eP	P	22 32 18.4 -1.1
Z50A	Ashland	33.13	94	P	P	22 32 19.6 +0.1
CPCT	Cooper Cave	33.13	89	eP	P	22 32 20.8 +1.3
E51A	G1948 Merrick	33.14	68	P	P	22 32 19.5 +0.1

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349A	Repton	33.18	98	P	P	22 32 20.4 +0.5
K52A	Tillsburg	33.21	75	P	P	22 32 20.4 +0.3
X51A	Calhoun	33.29	91	eP	P	22 32 22.0 +1.2
X51A	Calhoun	33.29	91	P	P	22 32 21.2 +0.4
R52A	Cattlettsburg	33.31	83	P	P	22 32 21.0 0.0
Q52A	Bidwell	33.35	82	P	P	22 32 20.9 -0.5
TZTN	Tazewell	33.37	87	P	P	22 32 21.3 -0.2
150A	Ecolitic	33.38	95	P	P	22 32 21.8 +0.1
F52A	Sundridge	33.41	69	P	P	22 32 21.7 -0.1
Y51A	Rockmart	33.45	92	P	P	22 32 22.5 +0.2
250A	Grady	33.52	96	eP	P	22 32 24.6 +1.7
250A	Grady	33.52	96	P	P	22 32 22.1 -0.8
U52A	Thorn Hill	33.57	87	P	P	22 32 22.7 -0.6
V52A	Sevierville	33.64	88	P	P	22 32 24.1 +0.2
M53A	Wl Miller and	33.64	77	P	P	22 32 23.3 -0.6
Z51A	Franklin	3				

27d 22h

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like 454A Quitman, X56A White Oak, 355A Pearsons, etc.

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Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like FINES FINESS Array B, KRSR KRSR, KSAR Wonju Array Be, etc.

1948

Table with columns for station ID, name, frequency, power, and other technical details. Includes stations like LJV L'vov, ARSA Arzberg, KURK Kurchatov, etc.

ISCBJ 27 22:32:35.0.7.30.155.0.05:177.370.0.1, h10km, mb4.5/13, MS3.9/3, Error ellipse: s-maj=14.3km, s-min=5.9km az=12.8

Error ellipse: s-maj=12.6km s-min=6.9km az=105.0
ISC 27 22:32:36.9,0.5,30.02S,0.06:177.27W,0.08,h10km,n64,
c189/58,mb4.7/13,MS3.9,Kermadec Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include RAO Raoul Island, RAO Raoul Island, RAO Raoul Island, etc.

ISCJB 27 22:35:04.6,0.7,47.1N:0.1:147.3E:0.2,h346km,
mb3.2/10, Error ellipse: s-maj=22.5km s-min=8.7km
az=135.1

ISC 27 22:35:06.6,1.9,47.08N:147.18E,h358km,22km,
mb3.0/10,mb1.3/21,mb1.0mx3.036,mb1m3.7/13, Error
ellipse: s-maj=20.2km s-min=14.6km az=137.0

ISC 27 22:35:05.6,0.8,47.11N:0.1:147.2E:0.1,h346km,n14,
c080/15,mb3.2/10,Northwest of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include ASAJ Asahikawa, ASAJ Asahikawa, ASAJ Asahikawa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include INK Inuvik, RES Resolute Bay, YKA Yellowknife Ar, etc.

KRSC 27 22:35:20.4,0.6,56.10N:161.27E,h103km,4km,ML3.6,
Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include ZLN Zelenaya, CIRR Tsrirk, LGNR Logoina, etc.

ISC 27 22:40:07.6,4.0,1.83S:168.87E,h72km,34km,mb3.8/10,
mb1.4/0/11,mb1mx3.833,mb1m4.1/11,ML4.7/1, Error
ellipse: s-maj=26.4km s-min=24.3km az=102.0

NEIC 27 22:40:11.4,1.1,19.21S:168.98E,h119km,11km,mb4.1/3,
Error ellipse: s-maj=17.7km s-min=8.8km az=162.0

ISCJB 27 22:40:12.6,0.5,19.45S:0.06:169.02E:0.07,h147km,
mb3.9/13, Error ellipse: s-maj=11.3km s-min=6.4km
az=39.1

ISC 27 22:40:13.8,0.5,19.43S:0.08:169.04E:0.09,h147km,n48,
c1545/53,mb4.0/13,Vanuatu Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include MARC Mare, Loyalty, PINNC Pines Island, etc.

ISCJB 27 22:35:04.6,0.7,47.1N:0.1:147.3E:0.2,h346km,
mb3.2/10, Error ellipse: s-maj=22.5km s-min=8.7km
az=135.1

ISC 27 22:35:06.6,1.9,47.08N:147.18E,h358km,22km,
mb3.0/10,mb1.3/21,mb1.0mx3.036,mb1m3.7/13, Error
ellipse: s-maj=20.2km s-min=14.6km az=137.0

ISC 27 22:35:05.6,0.8,47.11N:0.1:147.2E:0.1,h346km,n14,
c080/15,mb3.2/10,Northwest of Kuril Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include ASAJ Asahikawa, ASAJ Asahikawa, ASAJ Asahikawa, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include WTTA Wattenberg, MOTA Moosalm, RETA Reutte, etc.

ISC 27 22:56:02.9,2.9,21.42S:169.38E,h0km,mb3.7/5,
mb1.4/0.6,mb1mx3.8/37,mb1m3.7/6,ML3.2/1,MS3.3/1,
Ms1 3.3/1,ms1mx2.8/24, Error ellipse: s-maj=163.1km
s-min=22.7km az=159.0, Southeast of Loyalty Islands

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include DZM Mont Dzumac, DZM Mont Dzumac, DZM Mont Dzumac, etc.

ROM 27 23:00:34.6,0.2,46.38N:0.0:19.874E:0.009,h6km,1km,
ML2.1/9

ISCJB 27 23:00:35.0,0.3,46.14N:0.02:9.88E:0.02,h2km,3km,
Error ellipse: s-maj=2.0km s-min=1.9km az=165.5

VIE 27 23:00:35.5,0.3,46.39N:9.91E,h5km,2km,mb2.1/10,
ml2.3/13, Error ellipse: s-maj=2.1km s-min=1.2km az=13.0

PRU 27 23:00:37.0,0.0,46.38N:9.90E,h0km
LDG 27 23:00:37.1,0.1,46.43N:10.00E,h5km,ML2.6/10, Error
ellipse: s-maj=2.8km s-min=2.1km az=167.0

ISC 27 23:00:36.1,0.9,46.40N:0.02:9.92E:0.02,h5km,7km,n50,
c1511/87,1C-1D,Switzerland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include BERNI Berninapass, BERNI Berninapass, BERNI Berninapass, etc.

ISCJB 27 23:00:34.6,0.7,47.1N:0.1:147.3E:0.2,h346km,
mb3.2/10, Error ellipse: s-maj=22.5km s-min=8.7km
az=135.1

ISC 27 23:00:35.0,0.3,46.14N:0.02:9.88E:0.02,h2km,3km,
Error ellipse: s-maj=2.0km s-min=1.9km az=165.5

VIE 27 23:00:35.5,0.3,46.39N:9.91E,h5km,2km,mb2.1/10,
ml2.3/13, Error ellipse: s-maj=2.1km s-min=1.2km az=13.0

PRU 27 23:00:37.0,0.0,46.38N:9.90E,h0km
LDG 27 23:00:37.1,0.1,46.43N:10.00E,h5km,ML2.6/10, Error
ellipse: s-maj=2.8km s-min=2.1km az=167.0

ISC 27 23:00:36.1,0.9,46.40N:0.02:9.92E:0.02,h5km,7km,n50,
c1511/87,1C-1D,Switzerland

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC, h, m, s, ISC. Rows include TUE Tuetta, MOSI Grossmontoni, MOSI Grossmontoni, etc.



27d 23h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ABERSTUECKL, DOSSO, ROSSKOPF, etc.

KRSC 27 23:19:12.7-0.9,54:56N,162:19E, h40km, mb4.6, ML3.6, Near east coast of Kamchatka Peninsula

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKZ, TUMROK, KIZIMEN, etc.

VAO 27 23:28:51.9-0.2,18:69S,45:52W, h0km, mb4.4, Brazil

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PNB, PNB, PNB.

2013 FEB

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like BSCB, MC16, MC19, etc.

IDC 27 23:34:09.2-2.0, 1:93S,96:78E, h0km, mb3.5/3, mb1 3.7/3, mb1mx3.4/4, mbtmp3.5/3, Error ellipse: s-maj=538.7km s-min=12.8km az=125.0

ISCJB 27 23:34:15.0-1.1, 5:15S, 0:05E, 97:16E, 0:06, h33km, mb3 6/2, Error ellipse: s-maj=9.1km s-min=5.9km az=140.1

DJA 27 23:34:17.1-0.7, 1:5S, 9:7E, h66km, mb2.9km, M4.3/9, mb4.7/2, MLV4.1/9

ISC 27 23:34:16.5-1.5, 1:49S, 0:07E, 97:13E, 0:10, h35km, n16, r150121, Southwest of Sumatra

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like PULAU BATU, SAIBA, GUNUNGSILOI, etc.

IDC 27 23:34:18.7-0.7, 6:66S, 148:15E, h0km, mb4.3/11, mb1 4.5/13, mb1mx4.2/6, mbtmp4.3/13, ML3.9/2, MS4.2/14, Ms1 4.2/14, ms1mx4.0/26, Error ellipse: s-maj=21.5km s-min=9.7km az=119.0

ISCJB 27 23:34:23.9-0.4, 6:68S, 0:06E, 148:13E, 0:08, h51km, mb4.3/14, MS4.1/11, Error ellipse: s-maj=12.7km s-min=6.5km az=30.6

NEIC 27 23:34:23.2-0.2, 6:23S, 148:12E, h31km, 14km, mb4.4/6, Error ellipse: s-maj=8.9km s-min=5.7km az=126.0

ISC 27 23:34:25.6-0.5, 6:72S, 0:08E, 148:17E, 0:1, h51km, n38, r182/40, mb4.2/14, MS4.2/11, New Britain region

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like RABUL, COEN, HONIARA, etc.

WRAB Tennant Creek 18.73 224 eP Sg 23 38 41.0 +0.7

WB2 Warramunga Arr 18.74 224 eP Sg 23 38 40.5 0.0

WB2 Warramunga Arr 18.75 224 eP Sg 23 38 40.6 -3.9

WR1 Warramunga Arr 18.75 224 eP Sg 23 38 41.3 +0.8

WR1 Warramunga Arr 18.75 224 eP Sg 23 38 41.2 +1.1

WRA Warramunga Arr 18.75 224 eP Sg 23 38 42.5 +1.1

WRA Warramunga Arr 18.75 224 eP Sg 23 38 43.6 +0.3

GUM0 Guam 20.43 351 LR 23 35 10.9

AS01 Alice Springs 21.66 217 P 23 39 12.5 +0.5

AS31 Alice Springs 21.68 218 P 23 39 12.8 +0.5

AS31 Alice Springs 21.68 218 P 23 39 12.8 +0.5

ASAR Alice Springs 21.69 218 P 23 39 13.1 +0.7

ASAR 11nm, 1.0s, baz=29, slow=21, SNR=12

ASAR 2.820nm, 18.1s, baz=44, slow=39

DZM Mont Dzumac 23.37 133 P 23 39 29.0 -0.9

BATI Baunata 24.26 260 P 23 39 41.0 +1.2

BATI Fitzroy Creek 24.65 241 P 23 39 43.5 +1.8

FITZ Fitzroy Creek 24.65 241 P 23 39 43.5 +1.8

1950

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like MKAR, ZALV, ZAA1, NIL, QSPA, etc.

DDA 27 23:37:43.7, 39:28N, 39:99E, h7km, 2km, ML2.5

ISK 27 23:37:43.2, 39:28N, 40:01E, h3km, ML2.1/9

ISCJB 27 23:37:44.6, 0.5, 39:33N, 0:04, 40:00E, 0:03, h12km, 5km, 3.7nm, 0.3s, baz=224, slow=5.3, SNR=5.3

ISC 27 23:37:43.6, 1.4, 39:28N, 0:04, 40:00E, 0:03, h9km, 13km, n16, r076/22, Turkey

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like ERZN, TUNCELI-MERKEZ, YEDI, etc.

NIED 27 23:37:50.2, 0.3, 28:78N, 128:35E, h11km, 4km, M4.7

BUI 27 23:37:51.2, 28:67N, 128:27E, h11km, mB4.8/37, mB4.5/52, Ms4.8/52, Ms7.4/50

ISCJB 27 23:37:51.6, 0.6, 28:75N, 0:02, 128:39E, 0:03, h18km, 5km, mb4.5/66, MS4.3/26, Error ellipse: s-maj=4.3km s-min=3.4km az=19.4

MOS 27 23:37:52.1, 3:28, 69N, 128:40E, h30km, mb4.7/30, MS4.4/6, Error ellipse: s-maj=8.3km s-min=5.7km az=101.1

GCMT 27 23:37:52.7, 0.3, 28:73N, 0:02, 128:38E, 0:02, h16km, 1km, MW4.9/81, Moment Tensor Solution. s13,c17; s81,c107; Duration: 0 Moment tensor: Scale 10^19Nm; Mr=0.63±.15; Mw=2.63±.12; Mb=2.00±.10; Mn=0.05±.27; Mo=0.22±.10; Mv=0.58±.33; Best double couple: M2:4.32000\*10^16 Np1:350.00000\*0.76 00000\*0.165 00000\*0. NP2: 3.76 00000\*0.76 00000\*0.14 00000\*0. Principal axes: T 2.6410, Plg0.0000\*, Azm183.0000\*, N -0.4210, Plg70.0000\*, Azm92.0000\*, P -2.2230, Plg20.0000\*, Azm273.0000\*; nsta1 refers to body waves, cutoff=40s. nsta2 refers to surface waves, cutoff=50s. Triangular moment-rate function

IDC 27 23:37:55.4, 1.8, 28:65N, 128:43E, h50km, 18km, mb3.9/16, mb1 4.1/20, mb1mx3.9/44, mbtmp4.2/20, ML3.2/4, MS4.1/24, Ms1 4.1/24, ms1mx4.0/41, Error ellipse: s-maj=19.6km s-min=11.7km az=86.0

NEIC 27 23:37:55.7, 0.6, 28:62N, 128:37E, h44km, 6km, mb4.7/42, Error ellipse: s-maj=6.9km s-min=5.1km az=122.0

ISC 27 23:37:53.9, 1.0, 28:69N, 0:04, 128:48E, 0:04, h27km, 7km, n186, r190/205, mb4.6/66, MS4.4/27, 11C-10R, Ryukyu Islands

Table with columns: Code, Station Name, Az, Phase ID, Time, Res, h, m, s, ISC. Includes stations like JAMN, TAKARAJIMA, TOKUNOSHIMA, etc.

1951

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like INU, MAJO, MJAR, MJAR, MJAR, etc.

2013 FEB

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like LZH, KUR, KMI, ZEA, ULN, SONM, etc.

27d 23h

Table with columns for station call letters, frequency, power, and signal quality. Includes stations like KK31, KKAR, WRAB, GAR, WRA, WRA, etc.





28 Oh

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like VSU Vasula, OBN Obninsk, NC405 NORSAR Array S, etc.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like UPC Upice, DPC Dobruska-Polom, BRG Berggiesshobel, etc.

1954

Table with columns: Call Sign, Name, Frequency, Band, Mode, Power, and other technical details. Includes stations like BZS Buzias, ARSA Arzberg, JLU Jordanelle, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Sufi-Kurgan, Manas, Karatay Array, Ala-Archa.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like AVT- Monte Val, Pietralunga, Poggio Castell, Monte Urbino, Pleia, Frontone, Montelago di S, Badiali, AVT- Monte Tez, Monte Cedrone, AVT- Casa Cast, Peglio, Monte Paganucci, Arcevia.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Leonessa, ARRO, Cesi, Norcia.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Monte Martano, Don Marcelino, Davao City-Mi, Kidapawan, Bagumbayan, Musuan, Teramo.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Don Marcelino, Davao City-Mi, Kidapawan, Bagumbayan, Musuan.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NAIROBI INFRAS, I19DJ, ANTANANARIVO, TSUMEB INFRAS.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Zalevso Beam.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Sangihe, Warramunga Arr, Alice Springs, Stephens Creek, Makanchi Array, TORD Torodi Arr.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like NIED, JMA, JMA Felt J1, Makanchi Array, Honshu.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kawauchi, Iwakimizuishiy, Fukushimafurud, Marumori, Otama, Hitachi, Ouri, Okura, Yanaizu, Matsushiro Arr, Matsushiro, Songoing Array, Makanchi Array, Warramunga Arr, Malin Array, Pinedale Array.

Summary text for 2013 FEB observations, including station names and error ellipses.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Honiara, Mont Dzumac, Charters Tower, Warramunga Arr, Alice Springs, Songoing Array, Rapa Nui, Eielson Arr.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Kizimen, Mys Shipunski, Karymskiy, Krutoberegovo, Sedlovina, Somma, Uglovyaya, Avacha, Arik, Koryaka, Dainy, Petropavlovsk, Ganaly, Ruskaya, Karymskiy, Mutnovka.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Fitzroy Crossi, Stephens Creek.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Sufi-Kurgan, Manas, Karatay Array, Ala-Archa, Arcevia, Makanchi Array, Kuryovsk, Zalevso Beam, Kirov, NORSAR Array B.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Warramunga Arr, Makanchi Array, Kuryovsk, NORSAR Array B.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Genyem, Jayapura, Serui, Biak, FAK, BNDI, COEN, Manton Dam, Soe, Tennant Creek, Warramunga Arr.



28d 3h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Charters Tower, Davco City (W), Fitzroy Crossi, etc.

IDC 28 02:59:48.6:6.1, 201.875:178.39W, h582km, 63km, mb3.2/8, mb1 3.4/8, mb1mx3.2/25, mbtmp4.1/8, Error ellipse: s-maj=84.0km s-min=30.6km az=148.0

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Charters Tower, Stephens Creek, ASAR Alice Springs, etc.

BUI 28 03:09:40.8, 17:17.5S:167.38E, h10km, mb5.9/63, mb5.5/56, Ms5.7/90, Ms7.5/78

IDC 28 03:09:41.4:0.3, 17:71.5S:167.42E, h0km, mb5.4/31, mb1 5.5/33, mb1mx5.4/39, mbtmp5.5/33, MLE.3/2, MS5.3/30, Ms1 5.3/30, ms1mx5.2/36, Error ellipse: s-maj=11.0km s-min=8.6km az=89.0

NEIC 28 03:09:44.0:0.0, 17:57.5S:167.13E, h25km, Moment Tensor Solution. s33 Moment tensor: Scale 1017Nm; Mm=4.93, Mm=1.90, Mm=3.03, Mm=1.57, Mm=4.04, Mm=5.45; Best double couple: M=3.00000:1017 NP1=169.00000:368.00000:1.122.00000: NP2=292.00000:838.00000:1.37.00000: Principal axes: T 8.7400, Plg55.0000, Azm122.0000; N -1.2400, Plg29.0000, Azm338.0000; P -7.5000, Plg17.0000, Azm238.0000;

WEL 28 03:09:44.0, 17:72.2S:167.34E, h18km

NEIC 28 03:09:44.5:0.1, 17:72.5S:167.34E, h18km, mb6.0/270, MS5.8, MS5.7/299, MW5.7, MW5.9, Error ellipse: s-maj=3.1km s-min=2.7km az=119.0, Moment Tensor Solution. s42 Moment tensor: Scale 1017Nm; Mr3.13; Mm=1.05; Mm=2.08; Mm=0.18; Mm=4.06; Mm=2.12; Best double couple: M=3.00000:1017 NP1=169.00000:364.00000:1.131.00000: NP2=285.00000:848.00000:1.36.00000: Principal axes: T 4.5200, Plg52.0000, Azm128.0000; N -1.3900, Plg36.0000, Azm328.0000; P -5.9000, Plg10.0000, Azm20.0000; Broadband fault plane solution: P waves. NP1=350.00000:820.00000:1.90.00000: NP2=284.00000:870.00000:1.90.00000: Principal axes: T Plg65.0000, Azm80.0000; N Plg0.0000, Azm0.0000; P Plg25.0000, Azm260.0000; Apparent Stress 0.32 MPa. Depth from synthetics of broadband displacement seismograms. Energy computed from BB mechanism.

NEIC 28 03:09:44.4:1.1, 17:67.5S:167.29E, h25km, 8km, mb5.8/346, MS5.6/595, Error ellipse: s-maj=3.7km s-min=3.1km az=14.5

MOS 28 03:09:45.4:1.1, 17:65.5S:167.28E, h31km, mb6.0/64, MS5.5/59, Error ellipse: s-maj=7.5km s-min=6.2km az=111.2

GCMT 28 03:09:49.5:0.1, 17:75.0S:167.18E, h37km, MW5.9/140, Moment Tensor Solution. s135, c279; s140, c393; Duration: 2s1 Moment tensor: Scale 1017 Nm; Mm=1.45:0.6; Mm=3.00:0.6; Mm=2.14:0.6; Mm=0.06:0.7; Mm=4.94:0.4; Mm=4.46:0.3; Best double couple: M=8.00000:1017 NP1=160.00000:365.00000:1.122.00000: NP2=284.00000:840.00000:1.41.00000:

2013 FEB

Main table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Principal axes, Mare, Loyalty, DZM, etc.

1956

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like KAH, KANTON, LTZ, etc.





1959

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like YAK, SONA, SHL, BILB, SUA, MCCM, SYO, KCPM, HOPS, GDXM, KMRM, SNCC, SAO, PMR, PMR, PMR, KNK, KNK, SCZ2, PPLA, KHMM, SBC, KRMB, PKM, PAGB, EYAK, SMMC, SML, SML, SML, SC12, CAST, CAST, BLG, HMT, DIV, SCM, L02E, CIS, WDC, WDC, WDC, N02D, M02C, BOD, KLU, K02D, FMP, LSA, LSA, LSA, J01E.

2013 FEB

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like OSI, ORV, TRF, ARVC, O03E, AFDM, AFDM, YBH, YBH, DECC, CMB, VOG, YES, PASC, MWC, MWC, MWC, HUMO, RND, RND, RND, RND, I02D, 109C, CPE, CPE, ISA, ISA, I03D, L04D, DHY, DHY, EDW, MCK, MCK, MCK, MCK, BFSC, M04C, RUBR, RUBR, MURC, BAR, BAR, BWN, BALM, BALM, RD0G, MDPB, MDPB, BEKR, BEKR, OMMB, OMMB, WAKR, WAKR, MONP, IM3, MLAC, LRM, MLY, MLY, PAX, PAX, PAX, PAX, PNTR, PNTR, K04D, BWN, BWN, CWC.

28d 3h

Table with columns for station call letters, frequency, power, and signal strength. Includes stations like IRK, J04D, VCNR, VCNR, BBRC, TLY, TLY, TLY, TLY, TLY, TLY, TLY, TLY, XPF0, XPF0, G03D, H04D, YERR, YERR, RRX, WRH, WRH, MPMC, DAC, DAC, PAHR, PAHR, PAHR, SWSC, PMSA, PMSA, CCB, CCB, MENT, GSC, GSC, GSC, HDA, HDA, HDA, RYN, RYN, PALK, PALK, MDM, MDM, H04A, J05D, TCOL, NV01, NVAR, NVAR, COLA, COLA, COLA, COLA, BELC, MOD, MOD, HEC, F04D, RIDG, RIDG, NV11, GRAC, NLWA, ILAR, ILAR, ILAR, ILAR, ILAR, FURC, POKR, BC3, I05D, BESE, PINE, KVN.

28d 3h

KVN	comp=Z,3um,20.0s	LR	LR						
KVN	Kaiserville	89.51	49	eP	P	03 22 41.1	+0.3		
KVN	comp=Z,122nm,1.3s			pmx	pmx				
KVN	comp=Z,3um,20.0s			MLR	MLR				
BOK	Bokaro	89.58	295	eP	P	03 22 41.3	0.0		
BOK	comp=Z,31nm,0.6s			IAmb	IAmb	03 22 48.5			
SCRK	Sand Creek	89.64	19	eP	P	03 22 40.0	-0.7		
SCRK	comp=Z,115nm,1.5s								
SCRK	comp=Z,1um,20.0s			LR	LR				
SHOC	Shoshone, Teco	89.64	52	P	P	03 22 41.6	+0.4		
SHOC	baz=248,SNR=12								
E04D	Cinebar	89.68	40	P	P	03 22 42.0	+0.8		
GMRC	Granite Mount	89.69	53	P	P	03 22 42.3	+0.6		
GMRC	baz=248,SNR=38								
GLA	Glamis	89.70	55	eP	P	03 22 43.2	+1.5		
GLA	comp=Z,285nm,1.6s			LR	LR				
GLA	Glamis	89.70	55	eP	P	03 22 43.2	+1.5		
GLA	comp=Z,3um,18.0s			pmx	pmx				
GLA	comp=Z,285nm,1.6s			MLR	MLR				
GLA	Glamis	89.70	55	P	P	03 22 42.8	+1.1		
TUQ	Turquoise Moun	89.73	53	P	P	03 22 42.3	+0.4		
TUQ	baz=248,SNR=38								
SRIG	Santa Rosalia	89.78	61	PFAKE	P	03 22 50.0	+7.9		
SRIG	comp=Z,3um,18.0s			LR	LR				
D03D	Eldon	89.80	39	P	P	03 22 42.9	+1.2		
D03D	baz=243,SNR=12								
HYT	Haines Junctio	89.81	24	eP	P	03 22 41.2	-0.3		
SKAG	Skagway	89.83	25	eP	P	03 22 41.8	+0.3		
SKAG	comp=Z,54nm,1.4s								
D04E	Lakebay	89.83	40	P	P	03 22 43.0	+1.2		
D04E	baz=243								
IRM	Iron Mountain	89.85	54	P	P	03 22 43.3	+1.0		
IRM	baz=248,SNR=42								
G05D	Wamic, OR	89.89	42	P	P	03 22 42.8	+0.6		
G05D	baz=244,SNR=9.7								
MOY	Mondy	89.96	325	eP	P	03 22 42.4	-0.1		
MOY	comp=Z,94nm,3.3s			pmx	pmx				
TPNV	Topopah Spring	90.05	51	eP	P	03 22 43.9	+0.5		
TPNV	comp=Z,324nm,1.8s								
TPNV	comp=Z,5um,19.0s			LR	LR				
TPNV	Topopah Spring	90.05	51	eP	P	03 22 43.9	+0.5		
TPNV	comp=Z,324nm,1.8s			pmx	pmx				
TPNV	comp=Z,5um,19.0s			MLR	MLR				
TPNV	Topopah Spring	90.05	51	P	P	03 22 43.9	+0.5		
TPNV	baz=248,SNR=48								
F05D	White Salmon	90.08	41	P	P	03 22 43.8	+0.7		
P05D	comp=Z,3um,20.0s								
PGC	Sidney	90.09	38	eP	P	03 22 44.2	+1.2		
PGC	baz=244,SNR=12								
NVL	N'iazarevskaya	90.11	188	iP	P	03 22 41.1	-1.8		
NVL	comp=Z,3um,20.0s			pmx	pmx				
Y12C	Blythe	90.19	55	eP	P	03 22 44.7	+0.8		
Y12C	comp=Z,83nm,1.3s								
Y12C	comp=Z,324nm,1.9s			LR	LR				
Y12C	comp=Z,3um,20.0s			LR	LR				
Y12C	Blythe	90.19	55	P	P	03 22 44.9	+1.1		
Y12C	baz=249,SNR=16								
LDFC	Landfair	90.22	53	eP	P	03 22 45.2	+1.1		
LDFC	comp=Z,153nm,1.2s			LR	LR				
LDFC	comp=Z,4um,19.0s			LR	LR				
LON	Longmire	90.23	40	eP	P	03 22 44.4	+0.6		
LON	comp=Z,210nm,1.8s			pmx	pmx				
LON	Longmire	90.23	40	eP	P	03 22 44.4	+0.6		
LON	comp=Z,210nm,1.8s			pmx	pmx				
PRP	Porcupine Dome	90.27	18	eP	P	03 22 42.9	-0.8		
PRP	comp=Z,28nm,1.4s			LR	LR				
PRP	comp=Z,3um,20.0s			LR	LR				
COLD	Coldfoot	90.28	15	eP	P	03 22 44.7	+1.2		
COLD	comp=Z,45nm,1.4s			LR	LR				
COLD	comp=Z,3um,20.0s			LR	LR				
D05A	Enumclaw	90.31	40	eP	P	03 22 45.8	+1.7		
D05A	comp=Z,731nm,1.5s								
113A	Mohawk Valley	90.43	56	eP	P	03 22 46.3	+1.3		
113A	comp=Z,327nm,1.9s								
NEE2	Needles Airpor	90.48	54	eP	P	03 22 46.1	+0.9		
NEE2	baz=249								
WVOR	Wild Horse Val	90.49	45	eP	P	03 22 45.8	+0.5		
WVOR	comp=Z,403nm,1.7s			LR	LR				
WVOR	comp=Z,2um,21.0s			LR	LR				
A04D	Lummi Island	90.56	38	P	P	03 22 46.0	+0.8		
A04D	baz=244,SNR=18								
SNA4	Sanae	90.58	183	eP	P	03 22 44.5	-0.6		
SNA4	comp=Z,161nm,1.6s			pmx	pmx	03 22 44.7	-0.5		
SNA4	comp=Z,234nm,1.5s			LR	LR				
SNA4	comp=Z,3um,20.0s			pmx	pmx				
SNA4	Sanae	90.58	183	eP	P	03 22 44.7	-0.5		
SNA4	comp=Z,234nm,1.5s			MLR	MLR				
I07A	Ize	90.58	44	eP	P	03 22 46.3	+0.7		
I07A	comp=Z,3um,20.0s								
BMN	Battle Mountai	90.68	48	PFAKE	P	03 23 00.0	+1.4		
BMN	comp=Z,85nm,0.9s			LR	LR				
PDMC1	Parker Dam,Lak	90.68	54	P	P	03 22 46.8	+0.7		
PDMC1	baz=249,SNR=9.5								
SHPR	Shpe Range	90.70	52	eP	P	03 22 47.2	+0.7		
SHPR	comp=Z,301nm,1.9s			LR	LR				
SHPR	comp=Z,181nm,1.9s			LR	LR				
B05A	Bryant	90.72	39	P	P	03 22 46.9	+1.0		
B05A	baz=244,SNR=29								
214A	Organ Pipe Nat	90.90	57	P	P	03 22 48.1	+0.8		
214A	baz=250								
J08A	Circle Bar Ran	90.97	45	eP	P	03 22 47.9	+0.5		
J08A	comp=Z,75nm,0.9s			LR	LR				
J08A	comp=Z,2um,19.0s			LR	LR				
F07A	Phinn Hill VI	91.05	42	eP	P	03 22 48.5	+0.9		
F07A	comp=Z,141nm,1.6s								
R11A	Troy Canyon, C	91.06	50	eP	P	03 22 48.3	+0.2		
R11A	comp=Z,77nm,1.8s			LR	LR				
R11A	comp=Z,3um,18.0s			LR	LR				
R11A	Troy Canyon, C	91.06	50	P	P	03 22 48.5	+0.4		
R11A	baz=248,SNR=28								
EGAK	Eagle	91.08	20	eP	P	03 22 46.6	-0.6		
EGAK	comp=Z,56nm,1.3s			LR	LR				
EGAK	comp=Z,2um,20.0s			LR	LR				
FYU	Fort Yukon	91.10	17	eP	P	03 22 47.4	+0.1		
FYU	comp=Z,64nm,1.5s			LR	LR				
FYU	comp=Z,2um,20.0s			LR	LR				
LTY	Liberty	91.16	40	eP	P	03 22 48.4	+0.2		
LTY	comp=Z,227nm,1.6s								
W13A	Hualapai Mount	91.16	54	eP	P	03 22 49.1	+0.5		
W13A	comp=Z,249nm,2.0s			LR	LR				
W13A	comp=Z,4um,19.0s			LR	LR				
DAWY	Dawson	91.19	21	eP	P	03 22 47.6	-0.3		
DAWY	comp=Z,4nm,1.3s								
B06A	Marblemount	91.20	39	eP	P	03 22 49.0	+0.8		
B06A	comp=Z,201nm,1.5s								
VNA3	Neumayer Olymp	91.23	181	P	P	03 22 47.9	-0.2		
VNA3	comp=Z,2um,20.0s			pmx	pmx	03 22 48.7	-0.5		
MDRS	Chennai	91.26	283	eP	P	03 22 48.7	-0.5		
MDRS	comp=Z,181nm,1.9s			IAmb	IAmb	03 22 57.6			
C06D	Leavenworth	91.30	40	P	P	03 22 49.0	+0.3		
C06D	baz=245,SNR=7.4								
E07A	Sunnyside	91.37	41	eP	P	03 22 49.9	+0.8		
E07A	comp=Z,239nm,1.5s								
KNGR	Kungurtug, Tuv	91.40	323	eP	P	03 22 47.9	-1.4		
KNGR	comp=Z,2um,20.0s								
G08A	Pilot Rock	91.42	43	eP	P	03 22 49.9	+0.4		

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Y14A	Wickenburg	91.43	55	eP	P	03 22 50.4	+0.7		
Y14A	comp=Z,88nm,0.9s								
Y14A	comp=Z,3um,21.0s			LR	LR				
VNA2	Neumayer-Watz	91.50	182	P	P	03 22 49.4	+0.1		
VNA2	baz=164,slow=3.9								
HAWA	Hanford	91.51	41	eP	P	03 22 50.4	+0.7		
HAWA	comp=Z,367nm,1.6s								
TOLK	Toolik Lake Re	91.51	14	eP	P	03 22 49.7	+0.5		
TOLK	comp=Z,62nm,1.5s			LR	LR				
TOLK	comp=Z,4um,20.0s			LR	LR				
TOLK	Toolik Lake Re	91.51	14	P	P	03 22 49.8	+0.5		
TOLK	baz=221								
DLBC	Dease Lake	91.52	28	eP	P	03 22 49.1	-0.5		
DLBC	comp=Z,93nm,1.4s								
VNA1	Neumayer-Stat	91.80	181	P	P	03 22 50.9	+0.2		
VNA1	E08A Dider Farm, El	91.84	42	eP	P	03 22 51.9	+0.6		
VNA1	comp=Z,451nm,1.7s								
LLLB	Lillooet	91.87	37	eP	P	03 22 52.4	+1.1		
LLLB	comp=Z,148nm,1.4s								
D08A	Wollman Farm,	92.16	41	eP	P	03 22 53.1	+0.4		
D08A	comp=Z,260nm,1.7s								
ELK	Elko	92.19	48	eP	P	03 22 53.6	+0.2		
ELK	comp=Z,112nm,1.6s			LR	LR				
ELK	comp=Z,3um,18.0s			LR	LR				
LCMT	Little Creek M	92.32	52	eP	P	03 22 54.5	+0.6		
LCMT	comp=Z,175nm,1.8s			LR	LR				
BMO	Blue Mountains	92.33	44	eP	P	03 22 53.8	+0.1		
BMO	comp=Z,2um,20.0s			LR	LR				
BMO	comp=Z,2um,21.0s			LR	LR				
PSUT	Pine Spring	92.40	50	eP	P	03 22 55.1	+0.8		
PSUT	comp=Z,30nm,1.3s			LR	LR				
PSUT	comp=Z,2um,21.0s			LR	LR				
CCUT	Coc City	92.42	51	eP	P	03 22 55.4	+1.0		
CCUT	comp=Z,246nm,2.0s			LR	LR				
CCUT	comp=Z,5um,19.0s			LR	LR				
E09A	Wood Farm, Sta	92.43	42	eP	P	03 22 54.8	+0.8		
E09A	comp=Z,24								





28d 3h

T42A	Van Buren baz=262	109.49	56	PKIKP	PKIKP	03 28 12.7	-1.3
CCM	Cathedral Cave	109.50	55	PFAKE	LR	03 28 30.0	+16
CCM	Cathedral Cave baz=262	109.50	55	PKIKP	PKIKP	03 28 12.7	-1.3
Q41A	Truxton baz=263	109.63	54	PKIKP	PKIKP	03 28 13.1	-1.1
HBAR	Harrisburg	109.63	58	PFAKE	LR	03 28 30.0	+16
JTS	JuntasAbangare baz=262	109.75	85	PFAKE	LR	03 28 30.0	+15
J39A	Decorah baz=264	109.78	50	PKIKP	PKIKP	03 28 13.3	-1.1
S42A	Caledonia baz=263	109.82	56	PKIKP	PKIKP	03 28 13.8	-0.8
R42A	Luebbering baz=263	109.88	55	PKIKP	PKIKP	03 28 13.6	-1.1
I39A	Houston	109.96	49	PFAKE	LR	03 28 30.0	+15
PBMO	Poplar Bluff	109.98	57	PFAKE	LR	03 28 30.0	+15
L40A	Anamosa	110.00	51	PFAKE	LR	03 28 30.0	+15
NNA	Nana	110.04	110	PFAKE	LR	03 28 30.0	+14
N41A	Harden Midland	110.12	52	PFAKE	LR	03 28 30.0	+15
N41A	Harden Midland baz=264	110.12	52	PKIKP	PKIKP	03 28 13.7	-1.4
K40A	Colesburg	110.12	50	PKIKP	PKIKP	03 28 14.0	-1.0
FVM	French Village	110.14	55	PFAKE	LR	03 28 30.0	+15
E38A	The Farm, Brul	110.19	46	PFAKE	LR	03 28 30.0	+15
GNAR	Gosnell	110.20	58	PFAKE	LR	03 28 30.0	+15
EYMN	Ely	110.33	45	PFAKE	LR	03 28 30.0	+15
G39A	Holcombe	110.34	48	PKIKP	PKIKP	03 28 14.7	-0.7
S43A	Fulton Ridge, baz=263	110.36	56	PKIKP	PKIKP	03 28 14.5	-1.2
SLM	Saint Louis	110.36	55	PFAKE	LR	03 28 30.0	+14
P42A	Winchester	110.39	54	PFAKE	LR	03 28 30.0	+14
P42A	Winchester baz=264	110.39	54	PKIKP	PKIKP	03 28 14.5	-1.1
HDC	Heredia	110.47	86	PFAKE	LR	03 28 30.0	+13
OXF	Oxford	110.50	59	PFAKE	LR	03 28 30.0	+14
PARMO	Parma	110.50	57	PFAKE	LR	03 28 30.0	+14
PVMO	Portageville	110.52	57	PFAKE	LR	03 28 30.0	+14
F39A	Loretta baz=266	110.57	47	PKIKP	PKIKP	03 28 14.9	-0.9
HALT	Halls	110.74	58	PFAKE	LR	03 28 30.0	+14
JFWS	Jewell Farm	110.80	50	PFAKE	LR	03 28 30.0	+14
ABPO	Ambohimanom	110.81	241	PFAKE	LR	03 28 30.0	+13
GLAT	Glass	110.83	57	PFAKE	LR	03 28 30.0	+13
ESPN	Las Esperanzas	110.86	83	PFAKE	LR	03 28 30.0	+13
S44A	Carbonate baz=264	111.02	56	PKIKP	PKIKP	03 28 15.8	-1.0
G40A	Rib Lake	111.02	48	PFAKE	LR	03 28 30.0	+13
SIUC	Southern Illin	111.05	56	PFAKE	LR	03 28 30.0	+13
L42A	Oliver, Polo	111.14	51	PFAKE	LR	03 28 30.0	+13
I41A	Arkdale	111.17	49	PFAKE	LR	03 28 30.0	+13
147A	Livingston	111.19	61	PFAKE	LR	03 28 30.0	+13
HDIL	Hopedale	111.29	53	PFAKE	LR	03 28 30.0	+13
Q44A	Meyer Farm, Va	111.34	55	PFAKE	LR	03 28 30.0	+13
H41A	Junction City	111.36	48	PFAKE	LR	03 28 30.0	+13
T45A	Paducah	111.43	57	PFAKE	LR	03 28 30.0	+12
PLAL	Pickwick Lake	111.65	59	PFAKE	LR	03 28 30.0	+12
P44A	Sand Creek, Wi baz=265	111.70	54	PKIKP	PKIKP	03 28 17.6	-0.5
COWI	Conover	111.82	47	PFAKE	LR	03 28 30.0	+12
F41A	Three Lakes	111.82	47	PFAKE	LR	03 28 30.0	+12
H42A	Draeger Farm,	111.84	49	PFAKE	LR	03 28 30.0	+12
LVC	Limon Verde	111.88	124	PFAKE	LR	03 28 30.0	+11
C40A	Isle Royale Na	111.90	45	PFAKE	LR	03 28 30.0	+12
C40A	Isle Royale Na baz=263	111.90	45	PKIKP	PKIKP	03 28 18.5	+0.3
WVT	Waverly	111.98	58	PFAKE	LR	03 28 30.0	+11
BRAL	Brewton	112.01	63	PFAKE	LR	03 28 30.0	+11
OLIL	Olney	112.04	55	PFAKE	LR	03 28 30.0	+11
H42A	Shiocton	112.16	49	PFAKE	LR	03 28 30.0	+11
K43A	Burlington	112.19	50	PFAKE	LR	03 28 30.0	+11
V47A	Nunnely baz=264	112.20	58	PKIKP	PKIKP	03 28 18.2	-1.0
D41A	Chassel	112.26	46	PFAKE	LR	03 28 30.0	+11
G42A	Mountain	112.27	48	PFAKE	LR	03 28 30.0	+11

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LRLAL	Lakeview Retre	112.30	61	PFAKE	LR	03 28 30.0	+11
USIN	University of	112.30	56	PFAKE	LR	03 28 30.0	+11
M44A	Midewin, Midew	112.31	52	PFAKE	LR	03 28 30.0	+11
P45A	Graceland, Par	112.38	54	PFAKE	LR	03 28 30.0	+11
X48A	Hartselle	112.43	59	PFAKE	LR	03 28 30.0	+10
W48A	Pulaski baz=264	112.60	59	PKIKP	PKIKP	03 28 18.8	-1.1
T47A	Sharon Grove	112.65	57	PFAKE	LR	03 28 30.0	+10
T47A	Sharon Grove baz=264	112.65	57	PKIKP	PKIKP	03 28 18.6	-1.4
H43A	Windswep, Lux	112.70	49	PFAKE	LR	03 28 30.0	+10
Z49A	Columbiana baz=263	112.71	61	PKIKP	PKIKP	03 28 19.4	-0.8
PB11	IPOC Station P	112.73	121	PFAKE	LR	03 28 30.0	+9.1
V48A	Smith Brothers	112.75	58	PFAKE	LR	03 28 30.0	+10
250A	Grady	112.78	62	PFAKE	LR	03 28 30.0	+10
G43A	Wallace	112.80	48	PFAKE	LR	03 28 30.0	+10
Y49A	Blount Mountai	112.89	60	PFAKE	LR	03 28 30.0	+9.4
SFIN	Lafayette	112.95	53	PFAKE	LR	03 28 30.0	+10
OTAV	Otavallo	113.02	97	PFAKE	LR	03 28 30.0	+8.0
U48A	Cassie Pea, Po baz=265	113.06	57	PKIKP	PKIKP	03 28 19.6	-1.2
150A	Eclectic	113.06	62	PKIKP	PKIKP	03 28 19.6	-1.3
Z50A	Ashland	113.22	61	PFAKE	LR	03 28 30.0	+8.8
Z50A	Ashland baz=264	113.22	61	PKIKP	PKIKP	03 28 20.4	-0.9
351A	Pinckard	113.25	63	PKIKP	PKIKP	03 28 20.3	-1.0
BLO	Bloomington	113.30	54	PFAKE	LR	03 28 30.0	+8.8
E43A	Lone Tree Farm	113.32	47	PFAKE	LR	03 28 30.0	+9.0
Q47A	Sedord North L	113.36	55	PKIKP	PKIKP	03 28 20.6	-0.6
WCI	Wyandotte Cave	113.40	55	PFAKE	LR	03 28 30.0	+8.6
SWET	Sewanee	113.42	59	PFAKE	LR	03 28 30.0	+8.4
V51A	McMinville	113.50	58	PKIKP	PKIKP	03 28 21.1	-0.6
249A	Midway	113.52	62	PKIKP	PKIKP	03 28 20.4	-1.4
S48A	Wiedeman Farm, baz=265	113.54	56	PKIKP	PKIKP	03 28 21.3	-0.4
M46A	Old House Fiel	113.58	52	PFAKE	LR	03 28 30.0	+8.4
151A	Opelika	113.64	62	PKIKP	PKIKP	03 28 21.2	-0.9
U49A	Red Boiling Sp	113.67	57	PKIKP	PKIKP	03 28 21.0	-1.0
352A	Blakely	113.85	63	PKIKP	PKIKP	03 28 21.8	-0.6
Q48A	North Vernon	113.89	55	PKIKP	PKIKP	03 28 22.2	-0.1
T49A	Edmonton	113.91	57	PFAKE	LR	03 28 30.0	+7.6
T49A	Edmonton baz=265	113.91	57	PKIKP	PKIKP	03 28 21.7	-0.7
W50A	Signal Mountai	113.93	59	PFAKE	LR	03 28 30.0	+7.5
Y51A	Rockmart	114.00	60	PKIKP	PKPfd	03 28 21.9	-0.7
E44A	Grand Marais A	114.06	46	PFAKE	LR	03 28 30.0	+7.6
252A	Lumpkin	114.08	62	PKIKP	PKPfd	03 28 21.7	-1.1
V50A	Pikeville	114.14	58	PKIKP	PKPfd	03 28 22.3	-0.6
S49A	Springfield	114.16	56	PKIKP	PKPfd	03 28 21.6	-1.2
152A	Waverly Hall	114.16	62	PFAKE	LR	03 28 30.0	+17
152A	Waverly Hall baz=264	114.16	62	PKIKP	PKPfd	03 28 21.9	-1.1
P48A	Milroy	114.17	54	PKIKP	PKPfd	03 28 21.9	-0.9
X51A	Calhoun	114.24	60	PFAKE	LR	03 28 40.0	+17
BCIP	Isla Barro Col	114.38	88	PFAKE	LR	03 28 40.0	+16
I46A	Reed City	114.35	49	PKIKP	PKPfd	03 28 22.2	-0.9
U50A	Jamesstown	114.41	58	PKIKP	PKPfd	03 28 22.4	-1.0
O48A	Farmland	114.42	53	PKIKP	PKPfd	03 28 22.7	-0.6
353A	Camilla	114.44	63	PKIKP	PKPfd	03 28 22.4	-1.1
T50A	Haney	114.46	57	PKIKP	PKPfd	03 28 22.2	-1.3
Z52A	Williamson	114.47	61	PKIKP	PKPfd	03 28 22.5	-1.1
Q49A	Aurora	114.55	55	PKIKP	PKPfd	03 28 22.9	-0.6
CPCT	Cooper Cave	114.59	59	PFAKE	LR	03 28 40.0	+16
253A	Americus	114.59	62	PFAKE	LR	03 28 40.0	+16
253A	Americus baz=265	114.59	62	PKIKP	PKPfd	03 28 23.0	-0.9
P49A	Miami Univ. Ec	114.72	54	PKIKP	PKPfd	03 28 23.0	-0.9
V51A	Loudon	114.76	58	PFAKE	LR	03 28 40.0	+16
V51A	Loudon baz=266	114.76	58	PKIKP	PKPfd	03 28 22.5	-1.6
M48A	Edgerton	114.81	52	PFAKE	LR	03 28 40.0	+16
Y52A	Lilburn	114.83	60	PFAKE	LR	03 28 40.0	+16
Y52A	Lilburn baz=267	114.83	60	PKIKP	PKPfd	03 28 23.4	-0.8
S50A	Richmond	114.86	56	PKIKP	PKPfd	03 28 23.5	-0.7
R50A	Paris	114.95	56	PKIKP	PKPfd	03 28 23.4	-0.9
GLMI	Graying	114.96	48	PFAKE	LR	03 28 40.0	+16

1962

TIGA	Tifton	114.98	63	PFAKE	LR	03 28 40.0	+15
ARU	Arti	115.01	325	PKIKP	PKIKP	03 28 23.5	-0.4
L48A	N Adams baz=268	115.03	51	SS	PKIKP	03 28 23.8	-0.6
O49A	Covington	115.04	53	PFAKE	LR	03 28 40.0	+16
O49A	Covington baz=268	115.04	53	PKIKP	PKIKP	03 28 24.1	-0.4
W52A	Murphy	115.05	59	PFAKE	LR	03 28 40.0	+15
W52A	Murphy baz=265	115.05	59	PKIKP	PKPfd	03 28 23.6	-1.1
T51A	Monticello	115.17	57	PKIKP	PKPfd	03 28 23.3	-1.5
Z53A	Monticello baz=265	115.18	61	PKIKP	PKPfd	03 28 23.6	-1.4
N49A	Columbus Grove	115.19	53	PFAKE	LR	03 28 40.0	+15
N49A	Columbus Grove baz=268	115.19	53	PKIKP	PKIKP	03 28 24.1	-0.6
TKL	Tuckaleechee C	115.22	58	ePKPfd	LR	03 28 24.2	

1963

Y55A	Saluda	116.66	60	PKiKP	PKPdf	03 28 27.2	-0.6
V54A	Nebo	116.71	58	PKiKP	PKPdf	03 28 27.6	-0.3
PAULI	Pauline	116.76	59	ePKPdf	PKPdf	03 28 27.6	-0.3
658A	Bunnell	116.77	66	PFAKE	LR	03 28 40.0	+1.2
R53A	Hurricane	116.82	56	PKiKP	PKPdf	03 28 26.8	-1.2
X55A	Gracelyn & Ava	116.89	60	PKiKP	PKPdf	03 28 27.7	-0.5
O52A	Adamsville	116.96	54	PFAKE	LR	03 28 40.0	+1.2
O52A	Adamsville	116.96	54	PKiKP	PKPdf	03 28 27.5	-0.7
Z56A	Williston	117.03	61	PKiKP	PKPdf	03 28 27.6	-0.8
T54A	Tazewell	117.07	57	PKiKP	PKPdf	03 28 27.7	-0.9
N52A	McGinn's Farm	117.08	53	PKiKP	PKPdf	03 28 28.3	-0.1
KM5C	Kings Mountain	117.17	59	ePKPdf	PKPdf	03 28 28.7	0.0
KM5C	Kings Mountain	117.17	59	PKiKP	PKPdf	03 28 28.2	-0.5
J5C	Jenkinsville	117.18	60	PFAKE	LR	03 28 40.0	+1.1
P53A	Whipple	117.29	54	ePKPdf	PKPdf	03 28 28.0	-0.8
P53A	Whipple	117.29	54	PKiKP	PKPdf	03 28 28.4	-0.4
V55A	Taylor'sville	117.31	58	PKiKP	PKPdf	03 28 27.9	-1.1
M52A	Chesterland	117.32	52	PKiKP	PKPdf	03 28 28.2	-0.6
ELF0	Elginfield	117.35	50	PKiKP	PKPdf	03 28 28.5	-0.3
X56A	White Oak	117.38	60	PKiKP	PKPdf	03 28 29.1	0.0
U55A	TA2, Sparta	117.47	58	PKiKP	PKPdf	03 28 28.9	-0.5
Z57A	Bowman	117.58	61	PKiKP	PKPdf	03 28 29.2	-0.3
Q54A	Coxs Mills	117.71	55	PKiKP	PKPdf	03 28 29.9	-0.7
N53A	Lisbon	117.72	53	PKiKP	PKPdf	03 28 29.1	-0.6
M53A	W Miller and	117.84	52	PKiKP	PKPdf	03 28 29.2	-0.6
P54A	Burton	117.99	54	PKiKP	PKPdf	03 28 29.5	-0.7
BLA	Blacksburg	118.00	57	ePKPdf	PKPdf	03 28 29.6	-0.7
BLA	Blacksburg	118.00	57	PKiKP	PKPdf	03 28 29.6	-0.7
BLA	Blacksburg	118.00	57	PKiKP	PKPdf	03 28 29.2	-1.1
NH5C	New Hope	118.01	62	PFAKE	LR	03 28 40.0	+1.0
O54A	Avella	118.07	53	PKiKP	PKPdf	03 28 29.1	-1.2
L53A	Girard	118.15	51	PKiKP	PKPdf	03 28 29.8	-0.6
D50A	G1974 Best Tow	118.22	46	PKiKP	PKPdf	03 28 29.6	-0.7
ALLY	Alegheny Colle	118.24	52	PFAKE	LR	03 28 40.0	+9.4
R55A	Marlinton	118.26	56	PKiKP	PKPdf	03 28 29.2	-1.6
CPUP	Villa Florida	118.30	134	PKP	PKPdf	03 28 30.6	-0.6
CPUP	Buckhannon	118.30	55	PKiKP	PKPdf	03 29 42.0	-4.4
Q55A	Buckhannon	118.30	55	PKiKP	PKPdf	03 28 30.3	-0.5
ERPA	Erie	118.35	51	PFAKE	LR	03 28 40.0	+9.2
N54A	Moraine State	118.37	53	PFAKE	LR	03 28 40.0	+9.1
N54A	Moraine State	118.37	53	PKiKP	PKPdf	03 28 29.9	-0.9
ROSC	El Rosal	118.37	94	ePKPdf	PKPdf	03 28 31.6	-0.6
ROSC	El Rosal	118.37	94	PKP	PKPdf	03 28 31.6	-0.6
MCWV	Mont Chateau	118.48	54	PFAKE	LR	03 28 40.0	+8.8
P55A	Reedsville	118.50	54	PKiKP	PKPdf	03 28 30.7	-0.5
E51A	G1948 Merrick	118.50	46	PKiKP	PKPdf	03 28 30.4	-0.5
M54A	Oil Creek Stat	118.60	52	ePKPdf	PKPdf	03 28 30.4	-0.9
M54A	Oil Creek Stat	118.60	52	PKiKP	PKPdf	03 28 30.6	-0.7
M54A	Rowland	118.78	60	PKiKP	PKPdf	03 28 30.5	-1.4
SADO	Sadowa	118.86	48	ePKPdf	PKPdf	03 28 31.4	-0.2
SADO	Sadowa	118.86	48	PKP	PKPdf	03 28 31.4	-0.2
O55A	Ligonier	118.90	53	PKiKP	PKPdf	03 28 31.5	-0.5
E52A	Mattawa	119.09	46	PKiKP	PKPdf	03 28 31.0	-1.0
G52A	Haliburton	119.20	48	PKiKP	PKPdf	03 28 31.0	-1.3
D53A	ZEK Kipawa Sen	119.20	46	PKiKP	PKPdf	03 28 31.3	-1.0
M55A	Ridgway	119.22	52	PKiKP	PKPdf	03 28 31.9	-0.7
MAT0	Matlagami	119.42	42	PKiKP	PKPdf	03 28 31.8	-0.8
O56A	Blue Knob Stat	119.46	53	ePKPdf	PKPdf	03 28 32.9	-0.1
O56A	Blue Knob Stat	119.46	53	PKiKP	PKPdf	03 28 31.9	-1.1
L55A	Hinsdale	119.50	51	PKiKP	PKPdf	03 28 32.4	-0.7
ALGO	Algonquin Park	119.54	47	PKiKP	PKPdf	03 28 31.9	-1.0
D53A	Lac Vacive, Po	119.68	46	PKiKP	PKPdf	03 28 32.2	-1.0
BANO	Bancroft	119.70	48	PKiKP	PKPdf	03 28 32.7	-0.6
VLD0	Val d'Or	119.74	44	ePKPdf	PKPdf	03 28 32.1	-1.1
K55A	Perry	119.75	51	ePKPdf	PKPdf	03 28 32.0	-1.5
E53A	Dumoine, Ponti	119.77	46	PKiKP	PKPdf	03 28 32.6	-0.8
J55A	Hilton	119.90	50	PKiKP	PKPdf	03 28 32.6	-1.1
LSQ0	Label-sur-Quev	119.94	43	PKiKP	PKPdf	03 28 32.6	-1.0
SSPA	Standing Stone	119.97	53	PFAKE	LR	03 28 50.0	+1.6
SSPA	Standing Stone	119.97	53	PKiKP	PKPdf	03 28 33.0	-1.0
CN5C	Cliffs of the	119.99	59	PFAKE	LR	03 28 50.0	+1.6
CN5C	Cliffs of the	119.99	59	PKiKP	PKPdf	03 28 33.0	-1.1
R58B	Mineral	120.03	56	ePKPdf	PKPdf	03 28 33.3	-0.8
R58B	Mineral	120.03	56	PKiKP	PKPdf	03 28 33.1	-1.0

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E54A	Lac Daplat, Po	120.09	46	PKiKP	PKPdf	03 28 32.7	-1.3
P540	Pembroke	120.13	47	PKiKP	PKPdf	03 28 33.0	-1.0
D540	Lac Fusel, La	120.38	45	PKiKP	PKPdf	03 28 33.3	-1.2
CBN	Corbin Frederi	120.42	56	PFAKE	LR	03 28 50.0	+1.5
G55A	Calabogie	120.53	48	PKiKP	PKPdf	03 28 34.3	-0.5
FRB	Frobisher Bay	120.56	25	PKP	PKPdf	03 28 33.5	-0.8
SDMD	Soldier's Dell	120.81	54	PFAKE	LR	03 28 50.0	+1.4
DAG	Danmarks Havn	120.85	2	iP	PKPdf	03 28 33.0	-1.6
H56A	Danmarks Havn	120.85	2	iP	PKPdf	03 28 33.0	-1.6
BOSA	Boshof	121.16	219	ePKiKP	PKiKP	03 28 37.0	0.0
BOSA	Boshof	121.16	219	PKiKP	PKiKP	03 28 37.0	0.0
BINY	Binghamton	121.32	51	PFAKE	LR	03 28 50.0	+1.3
BINY	Binghamton	121.32	51	PKiKP	PKPdf	03 28 35.2	-1.3
ORIO	Orleans, Innes	121.36	47	PKiKP	PKPdf	03 28 35.4	-1.0
CHGO	Chibougamaun	121.48	42	PKiKP	PKPdf	03 28 35.4	-1.2
N59A	State Game Lan	121.56	53	PFAKE	LR	03 28 50.0	+1.3
N59A	State Game Lan	121.56	53	PKiKP	PKPdf	03 28 36.1	-0.9
LUPA	Lehigh Univers	121.88	53	PFAKE	LR	03 28 50.0	+1.2
LONV	Lake Ozonia	122.11	48	PFAKE	LR	03 28 50.0	+1.2
LONV	Lake Ozonia	122.11	48	PKiKP	PKPdf	03 28 37.2	-0.8
APA	Apacity	122.25	341	iP	PKPdf	03 28 45.7	-1.1
ODNJ	Ogdensburg	122.43	52	PFAKE	LR	03 28 50.0	+1.1
NCB	Newcomb	122.44	49	ePKPdf	PKPdf	03 28 38.0	-0.6
TMCR	Tamitsa	122.48	336	ePKiKP	PKiKP	03 28 36.1	-1.9
FRNY	Flat Rock	122.79	48	PFAKE	LR	03 28 50.0	+1.1
PTGB	Pitanga	122.90	136	eP	PKiKP	03 28 40.5	0.0
ACCN	Adirondack Con	122.91	49	PFAKE	LR	03 28 50.0	+1.0
LATQ	La Tuque	122.96	45	PKiKP	PKPdf	03 28 38.9	-0.5
PAL	Palisades	122.96	52	PFAKE	LR	03 28 50.0	+1.0
SDV	Santo Domingo	123.02	91	ePKPdf	PKPdf	03 28 39.8	-1.0
SDV	Santo Domingo	123.02	91	eP	PKPdf	03 28 40.0	-0.8
SUMG	Summit	123.16	9	ePKPdf	PKPdf	03 28 39.6	-0.1
SUMG	Summit	123.16	9	iP	PKPdf	03 28 39.6	-0.1
SUMG	Summit	123.16	9	iP	PKiKP	03 28 39.6	-0.1
AQDB	Aquidana	123.17	130	eP	PKPdf	03 28 40.0	-0.7
ARAO	ARCES Array S	123.17	345	ePKPdf	PKPdf	03 28 38.9	-0.3
ARCS	ARCES Array B	123.17	345	PKP	PKPdf	03 28 38.9	-0.3
ILULI	Ilulissat	123.30	15	iP	PKPdf	03 28 38.9	-0.5
ILULI	Ilulissat	123.30	15	iP	PKPdf	03 28 38.6	-0.8
ILULI	Ilulissat	123.30	15	ePKiKP	PKPdf	03 28 38.9	-0.5
KLMR	Klimovskoe	123.40	332	ePKiKP	PKPdf	03 28 38.1	-1.8
KLMR	Klimovskoe	123.40	332	ePKPdf	PKPdf	03 28 38.1	-1.8
KLMR	Klimovskoe	123.40	332	AMP	PKPdf	03 28 56.5	0.0
YALE	Yale	123.66	52	eSKPbc	SKPbc	03 28 42.1	+0.1
YALE	Yale	123.66	52	PFAKE	LR	03 28 50.0	+8.8
MAK	Makhachkala	123.67	310	iP	Pdf	03 25 11.8	-1.8
MAK	Makhachkala	123.67	310	iP	Pdf	03 26 39.0	-0.5
MAK	Makhachkala	123.67	310	ePPP	PPP	03 30 19.6	0.0
MAK	Makhachkala	123.67	310	ePPP	PPP	03 32 57.9	0.0
MAK	Makhachkala	123.67	310	ePS	PS	03 40 17.1	-4.2
MAK	Makhachkala	123.67	310	eSS	SS	03 47 08.6	-1.9
MAK	Makhachkala	123.67	310	eSS	SS	03 51 41.4	0.0
TRCB	Terra Rica	123.83	134	eP	PKPdf	03 28 42.1	+0.1
LBNH	Lisbon	124.05	48	ePKPdf	PKPdf	03 28 42.2	+0.2
LBNH	Lisbon	124.05	48	PKiKP	PKPdf	03 28 41.3	-0.4
LBNH	Lisbon	124.05	48	PKiKP	PKPdf	03 28 41.3	-0.4
SDDR	Presa de Saban	124.51	79	ePKPdf	PKPdf	03 28 42.9	-0.4
MATP	Matopo	124.66	229	PKPab	PKPab	03 38 25.4	-1.0
SCHO	Schefferville	124.69	35	ePKPdf	PKPdf	03 28 41.9	-0.7
SCHO	Schefferville	124.69	35	PKP	PKPdf	03 28 41.8	-0.7
SFJD	Kangerlussuaq	124.99	17	ePKPdf	PKPdf	03 28 41.9	-0.9
SFJD	Kangerlussuaq	124.99	17	ePKPdf	PKPdf	03 28 42.0	-0.7
SFJD	Kangerlussuaq	124.99	17	iP	PKPdf	03 28 41.9	-0.9
SFJD	Kangerlussuaq	124.99	17	PKP	PKPdf	03 28 41.8	-0.9
SFJD	Kangerlussuaq	124.99	17	eP	PKPdf	03 28 42.1	-0.7
DAMY	Dhamar	125.34	276	ePKPdf	PKPdf	03 28 45.9	+0.2
FRTB	Ar Rayn	125.49	137	eP	PKiKP	03 28 46.4	+0.9
RAYN	Ar Rayn	125.62	287	ePKPdf	PKPdf	03 28 45.5	+0.1
RAYN	Ar Rayn	125.62	287	ePKiKP	PKPdf	0	



1965

Table of meteorological data for 1965, including station names like PTOM, PTM, PMRV, and various codes and times.

IDD 28 03:11:48.2.0.6, 4.70S, 138.60E, h0km, mb4.4/13, mb1.4/5.16, mb1mx4.4/39, mbmp4.4/16, ML4.3/3, Error ellipse: s-maj=24.9km s-min=10.2km az=89.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like GENI, JAY, SRPI, BAKI, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WRAB, WARR, WRA, WFR, etc.

2013 FEB

Table of meteorological data for 2013 FEB, including station names like KSRAR, WUJ, CM01, and various codes and times.

IDD 28 03:11:52.7.4.70S, 138.69E, h41km, mb5.1/11, mb4.8/24, Ms4.9/4, Ms7.4/5.3

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MK01, MK31, MK32, etc.

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like VMUR, ERV, VANB, etc.

28d 4h

Table of meteorological data for 28d 4h, including station names like ARXS, KURS, KURS, and various codes and times.

ISC/JB 28 03:53:55.0.0.5, 16.43S, 0.05E, 72.02W, 0.09, h150km, mb3.9/9, Error ellipse: s-maj=13.3km s-min=4.8km az=153.2

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like MNMC, MNMC, LPAZ, LPAZ, etc.

IDD 28 04:00:56.0.4.6, 4.65S, -147.67E, h0km, mb3.3/1, mb1.3/6.2, mb1mx3.2/25, mbtmp3.2/25, ML3.4/1, Error ellipse: s-maj=161.2km s-min=50.2km az=107.0, Bismarck Sea

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like WARR, WARR, WRA, etc.

UCR 28 03:40:48.4.1.5, 11.56N, 86.46W, h56km, 22km, MD3.9, ML3.3, Near coast of Nicaragua

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like XAVN, XAVN, CONN, etc.

JMA 28 04:42:06.5.0.2, 36.87N, 141.86E, h26km, 3km, M2.7, mb1.3/6.2, mb1mx3.3/30, mbtmp3.4/3, ML2.0/1, Error ellipse: s-maj=68.7km s-min=36.9km az=52.0

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res. Includes stations like ONAJ, ONAJ, JFK, etc.







28d 8h

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BASK, TUTA, MALAZ, HANUR-AGNY, etc.

IDC 28 08:10:12.8.0.9, 33.44N-165.90W, h0km, mb3.9/17, mb1.4/1.19, mb1mx3.9/5.7, mbtmp3.9/19, ML3.8/2, MS3.5/2, Ms1.3/5.2, ms1mx2.6/3.9, Error ellipse: s-maj=27.1km s-min=12.4km az=175.0

ISCJB 28 08:10:17.7.0.6, 53.30N-106.165.62W, 0.05, hb6km, 4km, mb3.8/20, Error ellipse: s-maj=10.6km s-min=3.6km az=161.6

NEIC 28 08:10:18.3.0.0, 53.26N-165.73W, h40km, mb3.8/17, ML3.9(AEIC), After A3C.

NEIC Felt at Unalaska, ISC 28 08:10:18.4.1.3, 53.30N-106.165.62W, 0.09, h165.71W, 0.04, 148km, 11km, n11, azZ02/120, mb3.9/20, Fox Islands

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like UNV, UNP, MRE, ZRO, AKMO, etc.

KDAX Kodiak Island 8.69 54 Pn 08 13 57.7 -6.1

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SPWE, GAW, SEM, SUA, etc.

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like EGAK, HYT, TOLK, DAWY, etc.

2015 FEB

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like YKA, YKBS, PAHR, etc.

IDC 28 08:15:11.4.1.1, 32.53N-75.87E, h0km, mb3.7/11, mb1.3/9.14, mb1mx3.7/4.7, mbtmp3.8/14, ML3.6/3, Error ellipse: s-maj=28.4km s-min=9.9km az=56.0

ISCJB 28 08:15:13.7.0.6, 32.69N-76.42E, 0.08, h20km, mb3.7/11, Error ellipse: s-maj=11.5km s-min=3.9km az=141.6

ISC 28 08:15:15.7.0.8, 32.71N-76.31E, 0.09, h20km, n27, azZ157/36, mb3.6/11, Kashmir-India border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NDI, NDI, PYUN, etc.

MEX 28 08:16:55.1.0.3, 14.45N-92.43W, h62km, 7km, MD3.7, Near coast of Chiapas

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like THIG, THIG, CCIG, etc.

IDC 28 08:25:27.3.2.7, 34.92S-179.01E, h0km, mb4.2/2, mb1.4/4.3, mb1mx3.9/2.6, mbtmp4.1/3, ML3.3/1, MS3.3/2, Ms1.3/3.2, ms1mx2.7/2.8, Error ellipse: s-maj=58.5km s-min=33.4km az=102.0

ISCJL 28 08:25:28.7.1.0, 35.9S-18.0E, 1.1, h133km, 29km, WCLB 28 08:25:35.3.0.9, 35.49S-179.3E, 0.1, h103km, 8km, mb4.2/6, Error ellipse: s-maj=14.8km s-min=8.9km az=4.7

NEIC 28 08:25:37.2.6.3, 51.5S-178.96E, h92km, 18km, mb4.3/4, Error ellipse: s-maj=31.9km s-min=13.2km az=50.0

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like MXX, MXX, MXX, etc.

1968

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PKGZ, PUZ, PUK, etc.

NNC 28 08:29:19.2.2.1, 41.78N-78.29E, h0km, mb2.8, mpv2.9, Error ellipse: s-maj=14.4km s-min=12.5km az=16.0, Suspected Mining explosion

KRNET 28 08:29:0.0.1, 41.83N-78.11E, h13km, mb2.2, ISCJB 28 08:29:2.1.4, 41.82N-78.17E, 0.07, h0km, Error ellipse: s-maj=10.6km s-min=5.6km az=141.0

ISC 28 08:29:20.1.1, 8.4185N-109.7820E, 0.06, h0km, n12, azZ073/20, 13C-4D, Krygzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PRZ, PRZ, KDJ, etc.

NNC 28 08:29:19.2.2.1, 41.78N-78.29E, h0km, mb2.8, mpv2.9, Error ellipse: s-maj=14.4km s-min=12.5km az=16.0, Suspected Mining explosion

KRNET 28 08:29:0.0.1, 41.83N-78.11E, h13km, mb2.2, ISCJB 28 08:29:2.1.4, 41.82N-78.17E, 0.07, h0km, Error ellipse: s-maj=10.6km s-min=5.6km az=141.0

ISC 28 08:29:20.1.1, 8.4185N-109.7820E, 0.06, h0km, n12, azZ073/20, 13C-4D, Krygzstan-Xinjiang border region

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PRZ, PRZ, KDJ, etc.

IDC 28 08:58:18.1.3.8, 11.24N-125.86E, h0km, mb3.5/4, mb1.3/6.4, mb1mx3.3/3.2, mbtmp3.5/4, Error ellipse: s-maj=33.7km s-min=22.2km az=66.0

MAN 28 08:58:19.1.1, 11.66N-126.20E, h24km, MS2.9, ISCJB 28 08:58:20.4.1.1, 11.5N-10.126.14E, 0.07, h33km, mb3.5/4, Error ellipse: s-maj=15.3km s-min=10.2km az=2.5

Table with columns: Code, Station Name, Az, AzZ, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BESP, BESP, PLP, etc.

1969

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Maasin, Warramunga Arr, Alice Springs, Makanchi Array, Kurchatov Arra.

ISC/JB 28 09:00:09.7-0.9, 64.70N-0.04-30.8E:0.2, h0km, Error ellipse: s-maj=1.7km s-min=5.2km az=164.7

MOS 28 09:00:10.9, 64.70N-30.90E, M3.1, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS HAS, 224p + CD-ROM, 2014)

HEL 28 09:00:11.2-0.3, 64.69N-30.77E, h0km, ML1.8, Explosion IDC 28 09:00:11.6-2.7, 64.62N-30.86E, h0km, mb1.3, 1/3, mb1mx2.9/38, mbtmp3.0/3, ML2.0/3, Error ellipse: s-maj=38.4km s-min=9.5km az=103.0

ISC 28 09:00:09.2-1.2, 64.70N-0.04-30.77E:0.09, h0km, n9, c1508/12, Finland-Karelia border region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Riieki, Maasselka, Joensuu, Oulu, Merijarvi, Sumainen, FINESS Array B, ARCES ARCESS Array B, ARCES, NOA.

IDC 28 09:14:51.6-2.7, 1.85S-133.85E, h0km, mb3.1/2, mb1.3/3, mb1mx3.1/39, mbtmp3.1/3, ML3.0/1, Error ellipse: s-maj=129.8km s-min=27.7km az=76.0, Irian Jaya region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Warramunga Arr, Alice Springs, Makanchi Array, MEX 28 09:27:48.5-0.7, 17.21N:99.88W, h38km, 20km, MD3.7, Guerrero

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like CAIG, MEIG, ARIG, PLIG, KRNET 28 09:36:50.7-0.1, 42.59N:79.62E, h22km, mb3.0

SOME 28 09:36:50.6, 42.60N:79.53E, h10km, NNC 28 09:36:50.1-1.2, 42.58N:79.50E, h0km, mb3.4, mpv3.3, Error ellipse: s-maj=9.4km s-min=4.3km az=157.0

ISC 28 09:36:51.3-1.2, 42.60N:0.04-79.61E:0.04, h10km, n37, c1548/67, 18C-12D, Lake Issyk-Kul region

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like SHLS, USHA, QSPA, PLCA, BDFB, SIV, LPAZ, H10S2, H10S3, H10S1, H10N1, H10N3, H10N2, DBIC, RDO, TORO, STKA, RAR, ASAR, WRA, CMAR, FINES, YKA, MKAR, ZALV, INK, ILAR.

2013 FEB

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res. Includes stations like Medeo, TNS5, TNS6, TNS7, TNS8, TNS9, TNS10, TNS11, TNS12, TNS13, TNS14, TNS15, TNS16, TNS17, TNS18, TNS19, TNS20, TNS21, TNS22, TNS23, TNS24, TNS25, TNS26, TNS27, TNS28, TNS29, TNS30, TNS31, TNS32, TNS33, TNS34, TNS35, TNS36, TNS37, TNS38, TNS39, TNS40, TNS41, TNS42, TNS43, TNS44, TNS45, TNS46, TNS47, TNS48, TNS49, TNS50, TNS51, TNS52, TNS53, TNS54, TNS55, TNS56, TNS57, TNS58, TNS59, TNS60, TNS61, TNS62, TNS63, TNS64, TNS65, TNS66, TNS67, TNS68, TNS69, TNS70, TNS71, TNS72, TNS73, TNS74, TNS75, TNS76, TNS77, TNS78, TNS79, TNS80, TNS81, TNS82, TNS83, TNS84, TNS85, TNS86, TNS87, TNS88, TNS89, TNS90, TNS91, TNS92, TNS93, TNS94, TNS95, TNS96, TNS97, TNS98, TNS99, TNS100, TNS101, TNS102, TNS103, TNS104, TNS105, TNS106, TNS107, TNS108, TNS109, TNS110, TNS111, TNS112, TNS113, TNS114, TNS115, TNS116, TNS117, TNS118, TNS119, TNS120, TNS121, TNS122, TNS123, TNS124, TNS125, TNS126, TNS127, TNS128, TNS129, TNS130, TNS131, TNS132, TNS133, TNS134, TNS135, TNS136, TNS137, TNS138, TNS139, TNS140, TNS141, TNS142, TNS143, TNS144, TNS145, TNS146, TNS147, TNS148, TNS149, TNS150, TNS151, TNS152, TNS153, TNS154, TNS155, TNS156, TNS157, TNS158, TNS159, TNS160, TNS161, TNS162, TNS163, TNS164, TNS165, TNS166, TNS167, TNS168, TNS169, TNS170, TNS171, TNS172, TNS173, TNS174, TNS175, TNS176, TNS177, TNS178, TNS179, TNS180, TNS181, TNS182, TNS183, TNS184, TNS185, TNS186, TNS187, TNS188, TNS189, TNS190, TNS191, TNS192, TNS193, TNS194, TNS195, TNS196, TNS197, TNS198, TNS199, TNS200, TNS201, TNS202, TNS203, TNS204, TNS205, TNS206, TNS207, TNS208, TNS209, TNS210, TNS211, TNS212, TNS213, TNS214, TNS215, TNS216, TNS217, TNS218, TNS219, TNS220, TNS221, TNS222, TNS223, TNS224, TNS225, TNS226, TNS227, TNS228, TNS229, TNS230, TNS231, TNS232, TNS233, TNS234, TNS235, TNS236, TNS237, TNS238, TNS239, TNS240, TNS241, TNS242, TNS243, TNS244, TNS245, TNS246, TNS247, TNS248, TNS249, TNS250, TNS251, TNS252, TNS253, TNS254, TNS255, TNS256, TNS257, TNS258, TNS259, TNS260, TNS261, TNS262, 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28d 11h

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like LBTB Lobatse, TORO Torodi Ar. Bea, TOA1 Torodi Ar. Sit, PDAR Pinedale Array, etc.

ISC 28 10:17:25.9-4.3, 20.46S-177.34W, h0km, mb4.0/4, mb1 4.1/4, mb1mx3.7/29, mbtmp4.0/4, Error ellipse: s-maj=114.8km s-min=39.7km az=29.0, Fiji Islands region

Table with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Includes stations like STKA Stephens Creek, ASAR Alice Springs, ASAR Alice Springs, WRA Warramunga Arr, QSPA South Pole Qui.

ISCJB 28 10:37:19.4-1.1, 67.73N-0.04-34.5E:0.1, h0km, Error ellipse: s-maj=8.3km s-min=2.2km az=19.3

KOLA 28 10:37:24.1, 67.76N-34.15E, M2.1, Industrial explosion (after: The Earthquakes of Russia in 2012. Obninsk, GS RAS, 22d+ + CD-ROM, 2014)

NAO 28 10:37:25.3-1.2, 67.74N-33.95E, ML2.8, mb1mx3.2/44, mbtmp3.6/5, ML2.8/5, Error ellipse: s-maj=18.0km s-min=8.7km az=85.0

ISC 28 10:37:22.0-1.6, 67.774N-0.04-34.33E:0.09, h0km, n28, c2645/54, Baltic States-Belarus-Northwestern Russia

Main table for station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including APA Apatity, ARAO ARCESS Array S, HEF Hetta, etc.

2013 FEB

NNC 28 11:06:00.7-0.9, 38.18N-57.52E, h0km, mb4.8, mpv5.7, Error ellipse: s-maj=7.3km s-min=2.6km az=57.0
TEH 28 11:06:00.6, 38.17N-57.58E, h10km, ML4.5
IDC 28 11:06:01.4-0.5, 38.03N-57.46E, h0km, mb4.1/26, mb1 4.3/33, mb1mx4.2/47, mbtmp4.2/33, ML3.9/5, MS3.9/35, Ms1 3.9/35, ms1mx3.8/51, Error ellipse: s-maj=14.2km s-min=5.6km az=13.0
ISCJB 28 11:06:02.4-0.1, 38.18N-0.02-57.54E:0.02, h18km, mb4.3/54, MS4.0/35, Error ellipse: s-maj=2.5km s-min=2.0km az=11.2
THR 28 11:06:02.4, 38.15N-57.45E, h16km, ML4.2
NEIC 28 11:06:03.0, 38.13N-57.57E, h10km, mb4.5/20, Error ellipse: s-maj=7.2km s-min=3.9km az=183.0
NEIC Felt at Ashgabat, BUJ 28 11:06:03.6, 38.20N-57.91E, h10km, mb4.8/22, mb4.5/28, Ms4.7/18, Ms7.4/4/17
MOS 28 11:06:04.6-2.3, 38.22N-57.55E, h33km, mb4.7/17, Error ellipse: s-maj=5.3km s-min=4.0km az=39.5
ISC 28 11:06:04.4-0.3, 38.18N-0.04-57.55E:0.03, h18km, n307, c233/338, mb4.5/65, MS4.0/35, 27C-21D, Iran-Turkmenistan border region

Main table for station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including BJRD Bojnurd, GYAO ALIBECK ARRAY, ASHT Ashkhabad, etc.

1970

Main table for station data with columns: Code, Station Name, Az, Az', Phase ID, Time, Res, ISC. Lists numerous stations including GANJ Ganja, GANJ Ganja, ZKTA Zakatala, etc.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like BVAR Borovoye Array, ARU Arti, and many others.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like PYUN Piuthan, AKASA Malin Array Be, and many others.

Table with columns: Station Name, Frequency, Power, and other technical details. Includes stations like KEST Keera, CMAR Chianli, and many others.

MAN 28 11:07:02.7, 16:49N-120:58E, h19km, MS3.5, Luzon. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

IDC 28 11:10:18.7±1.7, 10:93S×165:41E, h0km, mb3.6/3, mb1 4.0/4, mb1mx3.6/24, mbmt3.8/4, ML4.2/1, Error ellipse: s-maj=53.5km s-min=30.5km az=128.0, Santa Cruz Islands. Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res.

28C 12h

ASAR Alice Springs 32.55 243 P P 11 16 52.1 +0.2
ILAR Eielson Array 83.50 19 P P 11 22 48.1 0.0

ISCJJB 28 11:39:11.1-0.5,30.72N-0.05-141.0E:0.1,h91km,
mb3.5/9, Error ellipse: s-maj=17.3km s-min=4.3km az=163.0

IDC 28 11:39:13.0-1.8,30.65N-140.86E,h92km,mb3.3/9,
mb1 3.4/4,mb1mx3.3/38,mbtmp3.6/14, Error ellipse:

JMA 28 11:39:16.1-0.2,31.06N-141.13E,h99km,M3.8
ISC 28 11:39:12.7-0.8,30.72N-0.07-141.0E:0.1,h91km,n28,

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res. Includes stations like JAOM, HJOC, JHCJ, JHUJ, JHMJ, etc.

IDC 28 11:51:50.0-1.5,11.98S-165.07E,h0km,mb3.7/3,
mb1 3.9/5,mb1mx3.6/28,mbtmp3.8/5,ML3.7/2, Error ellipse:

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res. Includes stations like HNR, DZM, ILAR, MKAR, YKA.

IDC 28 12:24:17.8-2.2,8.52S-127.72E,h0km,mb3.7/1,
mb1 3.8/4,mb1mx3.5/32,mbtmp3.6/4,ML3.7/3, Error ellipse:

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res. Includes stations like FITZ, WRA, ASAR, MKAR.

ISCJJB 28 12:29:56.6-1.5,36.86N-0.04-141.43E:0.08,
h11km,10km,mb3.2/3,MS3.0/1, Error ellipse: s-maj=10.8km

IDC 28 12:29:56.4-2.5,36.70N-141.50E,h0km,mb3.3/3,
mb1 3.4/4,mb1mx3.2/36,mbtmp3.2/4,ML2.2/1,MS3.1/1,

JMA 28 12:29:58.4-0.1,36.87N-141.33E,h29km,1km,M3.0
ISC 28 12:28:57.8-2.0,36.87N-0.05-141.35E:0.09,h11km-10km,

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res. Includes stations like ONAJ, JFK, JFJK, JFFD, etc.

2013 FEB

H11S1 WAKE ISLAND Hy 28.81 123 T T 13 06 08.7
H11S3 WAKE ISLAND Hy 28.81 123 T T 13 06 07.0
H11S2 WAKE ISLAND Hy 28.81 123 T T 13 06 09.7

ISCJJB 28 12:33:47.9-0.7,27.13N-0.09-103.0E:0.2,h10km,
mb3.6/8,MS3.0/2, Error ellipse: s-maj=19.4km

IDC 28 12:33:48.5-0.9,27.15N-103.05E,h0km,mb3.6/9,
mb1 3.6/10,mb1mx3.4/40,mbtmp3.5/10,MS2.9/4,

ISC 28 12:33:50.0-0.9,27.22N-103.1E:0.2,h10km,n12,
0.650/9,mb3.7/8,Yunnan

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res. Includes stations like CMAR, CMAR, CMAR, etc.

ISCJJB 28 12:36:24.9-0.4,24.72N-0.02-122.20E:0.02,h85km,3km,
Error ellipse: s-maj=3.3km s-min=2.5km az=164.8

JMA 28 12:36:24.6-0.2,24.71N-122.17E,h88km,3km,M2.5
TAP 28 12:36:25.3,24.73N-122.16E,h85km,ML3.3,B

ISC 28 12:36:24.6-1.3,24.72N-0.03-122.19E:0.02,h90km,6km,

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res. Includes stations like EOS1, EOS1, EGS, etc.

1972

Table with columns: Code, Station Name, Az, Az', Phase ID, ISC, Time, Res. Includes stations like TWY, YOJ, YOJ, etc.

1973

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like CHKT Chengkung, JIU Ishigaki jima, WDLH Douliu, etc.

ECX 28 12:39:19.9±0.5, 31.27N±115.89W, h5km, MD2.3, ML2.5
MEX 28 12:39:21.0±0.5, 31.19N±115.89W, h15km, 69km, MD3.5
ISC 28 12:39:18.0±1.3, 31.31N±115.9W±0.1, h14km, 12km, n10,
e03717, 4C-3D, Baja California

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like SPIG San Pedro Mart, ECXB El Chinerio, etc.

ATH 28 12:44:31.0, 39.49N±25.94E, h25km±1km, ML2.4/6, Error
ellipse: s-maj=2.0km s-min=0.8km az=226.0
ISCJB 28 12:44:31.3±0.4, 39.52N±0.02±25.98E±0.03, h6km, 3km,
Error ellipse: s-maj=3.5km s-min=2.6km az=174.3
DDA 28 12:44:31.0, 39.51N±26.02E, h7km, 3km, ML3.1
THE 28 12:44:31.7, 39.52N±25.99E, h2km, 1km, ML2.4/8, Error
ellipse: s-maj=1.5km s-min=0.5km az=141.0
ISK 28 12:44:31.7, 39.54N±26.03E, h8km, ML3.0/17
ISC 28 12:44:31.5±0.9, 39.51N±0.02±25.99E±0.02, h10km, 8km,
n49, e055679, Aegean Sea

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like Sigr Sigr, BOZC Bozcaada, PRK Paraskevi, etc.

2013 FEB

Main table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like LIA Limnos Island, GELI Tayfur-Gelibol, ZEDA zmir-Bergama, etc.

28d 13h

Table with columns: Code, Station Name, Azimuth, Phase, ID, Time, Res. Includes stations like WRA Warramunga Arr, ASAR Alice Springs, MKAR Makanchi Array, etc.



28d 14h

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists stations like KTBS, SATY, KURS, etc.

ISCJB 28:13:28:05.0-3.11:35S:0.04:166.20E:0.07, h10km, mb4.5/35, MS3.8/6, Error ellipse: s-maj=9.4km s-min=6.3km az=9.0

NEIC 28:13:28:06.8-0.3, 11:35S:166.29E, h10km, mb4.8/15, Error ellipse: s-maj=1.1km s-min=0.7km az=120.0

ICC 28:13:28:08.4+4.3, 11:35S:166.33E, h19km, mb4.4/20, mb1.4/5.22, mb1mx4.3/4.6, mbtmp4.5/2.2, ML4.5/2, MS3.8/8, Ms1.3/8.8, ms1mx3.7/3.0, Error ellipse: s-maj=20.2km s-min=13.4km az=115.0

BUI 28:13:28:11.2, 11:22S:166.53E, h51km, mb5.0/13, mb4.7/19, Ms4.9/2, Ms7.4/5.1

ISC 28:13:28:07.1-0.5, 11:29S:0.07:166.29E:0.08, h10km, n70, a129/67, mb4.7/35, MS3.9/6, Santa Cruz Islands

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists stations like HNR, DZM, CTM, ARMA, STKA, etc.

2013 FEB

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists stations like KSAR, PETK, PEAI, etc.

ICC 28:13:33:35.5-1.3, 1:93S:137.47E, h0km, mb3.6/4, mb1.4/0.6, mb1mx3.6/4.0, mbtmp3.8/6, ML3.9/2, Error ellipse: s-maj=53.7km s-min=21.9km az=95.0

ISCJB 28:13:33:38.1-0.5, 2:08S:0.08:137.43E:0.04, h26km, mb3.6/4, Error ellipse: s-maj=11.1km s-min=4.7km az=12.1

DJA 28:13:33:39.6+1.3, 2:8S:137.37E, h29km, 11km, M4.3/7, mb4.1/1, MLV4.4/7

ISC 28:13:33:39.0-1.6, 1:99S:0.09:137.42E:0.04, h26km, n12, a082/18, mb3.7/4, Near north coast of Irian Jaya

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists stations like SRPI, BAKI, GENI, etc.

ICC 28:13:38:45.2:13.0, 37:86N:75:86E, h94km, 75km, mb3.4/4, mb1.3/4/10, mb1mx3.2/4.4, mbtmp3.7/10, ML3.4/6, Error ellipse: s-maj=140.6km s-min=29.0km az=81.0

ISCJB 28:13:38:47.3-0.6, 38:05N:0.06:75.9E:0.1, h135km, mb3.4/4, Error ellipse: s-maj=16.3km s-min=4.9km az=156.1

NNC 28:13:38:51.9-5.0, 38:52N:75:32E, h0km, mb3.8, mpv3.4, Error ellipse: s-maj=40.8km s-min=32.4km az=113.0

ISC 28:13:38:48.6-1.0, 38:07N:0.09:75.8E:0.1, h135km, n26, a192/30, mb3.5/4, 6C-2D, Southern Xinjiang

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists stations like KZA, ULHL, UCH, etc.

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists stations like DANN, KOLN, KURBB, etc.

ICC 28:14:05:26.1-2.1, 10:54S:113:20E, h0km, mb4.0/4, mb1.4/3.6, mb1mx4.1/3.0, mbtmp4.1/5, ML4.0/1, Error ellipse: s-maj=94.0km s-min=22.2km az=48.0

ISCJB 28:14:05:28.1-0.7, 10:47S:0:05:113:07E:0.04, h28km, mb4.0/4, Error ellipse: s-maj=7.6km s-min=5.0km az=22.5

DJA 28:14:05:30.9-1.0, 10:50S:11:31E, h15km, 14km, M4.3/13, mb4.5/2, MLV4.2/13

ISC 28:14:05:28.4-0.9, 10:56S:0:08:113:12E:0.04, h28km, n14, a218/24, mb4.0/4, South of Java

Table with columns: Code, Station Name, Azimuth, Phase ID, Time, Res, ISC. Lists stations like JAGI, DNP, PWJI, etc.

KRSC 28:14:05:48.3-1.9, 50:68N:157:86E, h47km, 23km, ML6.9, FELT [V-V] at cape Lopatka, lighthouse Kurbatova, Severo-Kurilsk, lighthouse Kruglyi; [V-V] at Paujeitka, lighthouse Chibulyni, Ozernovskiy, Nikolaevka, Petropavlovsk; [V] at GMS Vodopadnaja, Zaporoje, MicevES-1, Viluchinsk, state-farm Termalnyi, Ribac

BUI 28:14:05:49.0, 50:84N:157:46E, MS5.6km, mb6.4/63, mb6.2/74, Ms6.9/5, Ms7.6/5.8

NEIC 28:14:05:50.2-0.1, 50:95N:157:28E, h41km, mb6.4/29, M6.3, MS6.7/14, MW6.8, MW6.9, Error ellipse: s-maj=3.6km s-min=1.9km az=158.0, Moment Tensor Solution. s128 Moment tensor: Scale 10^19Nm; Mr1.86; Mss-0.88; Mss-0.98; Mss-0.75; Mss-0.77; Mss-0.58; Best double couple: M2:0.00000\*10^19 NP1:0.220.00000\*, s31.00000\*, s84.00000\*. NP2:0.470.00000\*, s59.00000\*, s74.00000\*. Principal axes: T 2.1000, Plg76.00000\*, Azm329.00000\*, N -0.1600, Plg3.00000\*, Azm225.00000\*, P -0.9400, Plg14.00000\*, Azm135.00000\*. Broadband fault plane solution: P 2.1000, Plg76.00000\*, s325.00000\*, s90.00000\*. NP2:0.400000\*, s65.00000\*, s90.00000\*. Principal axes: T Plg70.00000\*, Azm310.00000\*, N Plg0.00000\*, Azm0.00000\*, P Plg20.00000\*, Azm130.00000\*. Complex earthquake with at least two events occurring about 5 seconds apart, observed on broadband displacement seismograms. Depth from synthetics of broadband displacement seismograms based on first event. Apparent Stress 0.22 MPa. Energy computed from BB mechanism.

NEIC [V] at Petropavlovsk-Kamchatsky, ISCJB 28:14:05:51.3-0.2, 50:85N:0:01:157:44E:0.01, h67km, 1km, mb6.1/304, Error ellipse: s-maj=2.3km s-min=1.4km az=156.9

MOS 28:14:05:51.0-1.0, 50:82N:157:41E, h68km, mb6.3/78, MS6.8/67, Error ellipse: s-maj=5.2km s-min=2.5km az=82.5, Broadband fault plane solution: P waves. M4:2.0000\*10^19 NP1:0.30.00000\*, s58.00000\*, s96.00000\*. NP2:0.199.00000\*, s32.00000\*, s81.00000\*. Principal axes: T Plg76.00000\*, Azm310.00000\*, N Plg5.00000\*, Azm207.00000\*, P Plg13.00000\*, Azm15.00000\*

MOS Fault plane solution: P-waves C212, D17 - Felt (V-V) at Severo-Kurilsk; [V] at Petropavlovsk-Kamchatsky, NEIC 28:14:05:51.0-0.0, 51:03N:157:50E, h45km, Moment Tensor Solution. s102 Moment tensor: Scale 10^19Nm; Mr1.81; Mss-0.56; Mss-1.24; Mss-1.5; Mss-0.80; Mss-1.19; Best double couple: M2:4.00000\*10^19 NP1:0.40.00000\*, s66.00000\*, s95.00000\*. NP2:0.207.00000\*, s24.00000\*, s78.00000\*. Principal axes: T 2.4600, Plg68.00000\*, Azm320.00000\*, N -0.0600, Plg5.00000\*, Azm218.00000\*, P -2.4100, Plg21.00000\*, Azm126.00000\*

ICC 28:14:05:53.5-1.4, 50:93N:157:42E, h72km, 11km, mb5.7/36, mb1.5/7/43, mb1mx5.7/4/3, mbtmp5.9/43, MS6.6/35, Ms1.6/35, ms1mx5.3/4.6, Error ellipse: s-maj=10.3km s-min=6.5km az=137.0

GMCT 28:14:05:58.3-0.0, 50:83N:157:93E, h45km, MW6.8/145, Moment Tensor Solution. s145, c692; Duration: 6s2 Moment tensor: Scale 10^19Nm; Mr1.88;01; Mss-0.58;01; Mss-1.30;01; Mss-0.58;01; Mss-0.88;00; Mss-0.73;01; Best double couple: M2:10700\*10^19 NP1:0.36.00000\*, s58.00000\*, s92.00000\*. NP2:0.212.00000\*, s32.00000\*, s86.00000\*. Principal axes: T 2.1030, Plg77.00000\*, Azm313.00000\*, N 0.0090, Plg2.00000\*, Azm215.00000\*, P -2.1100, Plg13.00000\*, Azm124.00000\*; nst1 refers to body waves, cutoff=50s, nst2 refers to surface/male waves, cutoff=50s. Triangular moment-rate function

NEIC 28:14:05:07.1-0.0, 50:37N:157:78E, h48km, Moment Tensor Solution. s108 Moment tensor: Scale 10^19Nm; Mr2.07; Mss-0.72; Mss-1.34; Mss-0.82; Mss-0.84; Mss-0.90; Best double couple: M2:3.00000\*10^19 NP1:0.212.00000\*, s30.00000\*, s84.00000\*. NP2:0.39.00000\*, s61.00000\*, s94.00000\*. Principal axes: T 2.4100, Plg74.00000\*, Azm318.00000\*, N -0.1500, Plg3.00000\*, Azm217.00000\*, P -2.2700, Plg16.00000\*, Azm126.00000\*

ISC 28:14:05:50.9-3.0, 50:79N:103:157.49E:0.02, h53km, 2km, h53km, P-P, n2704, a166/282, mb6.3/359, MS6.7/271, 256C-55D, Kuril Islands

Code	Station Name	Δ°	AZ°	Phase	ID	Time	Res	TYV	Tymovskoe	9.39 276	ePn	Pn	14 08 07.5	+4.1	comp=N,22um,2.5s	smax	smax		
PAU	Pauzhetka	0.80	328	eP	ISC	h m s	ISC	TYV	TYV		eS	Sn	14 09 50.8	+3.4	YAK	comp=E,24um,2.5s			
PAU	Pauzhetka	0.80	328	eS	PN	14 06 07.6 +1.6		TYV	comp=Z,2um,1.2s		pmax	pmax			YAK	comp=Z,764um,17.0s	MLR	MLR	
PAU	Pauzhetka	0.80	328	eS	PN	14 06 07.6 +1.6		TYV	comp=Z,20um,2.9s		pmax	pmax			YAK	comp=N,284um,18.0s	MLR	MLR	
SKR	Severo-Kuril's	0.88	264	eS	PN	14 06 08.0 +1.1		TYV	comp=E,420nm,1.2s		smax	smax			YAK	comp=E,1195um,18.0s	MLR	MLR	
SKR	Severo-Kuril's	0.88	264	eS	PN	14 06 08.1 +1.1		MA2	Magadan	9.60 339	ePn	Pn	14 08 06.9	+0.7	VLA	Vladivostok	19.02 256	iP	P
SKR	Severo-Kuril's	0.88	264	iS	PN	14 06 21.3 +2.5		MA2	Magadan	9.60 339	eP	Sn	14 08 07.6	+1.4	VLA	VLA		P	14 10 06.6
SKR	comp=Z,426um,1.1s							MA2	comp=E,20nm,0.3s,baz=152,slow=10,SNR=289		Sn	14 10 12.1	+2.0	MDJ	comp=Z,309nm,1.1s	pmax	pmax	14 10 15.0	
SKR	comp=Z,261um,1.0s							MA2	baz=158,slow=16,SNR=1.6		LR	14 12 15.9		MDJ	Mudanjiang	19.69 263	p	p	
SKR	comp=E,816um,0.9s							SHO	Shikotan	10.00 230	ePn	Pn	14 08 09.6	-2.2	MDJ	comp=Z,1182um,21.6s	LR	LR	14 10 30.3
KDTR	Khodutka, Kamc	1.09	20	eP	PN	14 06 09.3 -0.5		SHO	comp=Z,1um,0.5s		pmax	pmax			MDJ	comp=Z,119um,20.8s	LR	LR	
KDTR	Khodutka, Kamc	1.09	20	eS	PN	14 06 25.1 +1.2		SHO	comp=N,470nm,0.3s		pmax	pmax			MDJ	comp=Z,173um,29.0s	LR	LR	
KDTR	Alaid	1.23	275	iP	PN	14 06 09.3 -0.5		SHO	comp=N,202nm,0.2s		pmax	pmax			MDJ	comp=Z,173um,29.0s	LR	LR	
KDTR	Alaid	1.23	275	iP	PN	14 06 25.1 +1.2		SHO	comp=E,202nm,0.2s		pmax	pmax			MDJ	Mudanjiang	19.69 263	eP	P
MTVR	Mutnovka	1.75	14	eP	PN	14 06 19.2 +0.2		SHO	comp=Z,2um,2.3s		pmax	pmax			MJSH	Mys Shul'tsa	19.76 256	iP	P
MTVR	Mutnovka	1.75	14	eP	PN	14 06 19.2 +0.2		SHO	comp=Z,5um,15.0s		MLR	MLR			MJBS	Mys Tunnei	19.84 232	eP	P
RUS	Russkaya	1.77	21	iP	PN	14 06 18.4 -0.6		SHO	comp=Z,8um,0.9s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
RUS	Russkaya	1.77	21	iP	PN	14 06 18.4 -0.6		SHO	comp=Z,8um,0.9s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
GRL	Gorelyy	1.81	11	eP	PN	14 06 20.6 +0.9		UGL	Uglegorsk	10.09 266	iPn	Sn	14 08 18.3	+5.4	MAJO	comp=Z,725nm,0.9s	pmax	pmax	14 10 17.0
GRL	Gorelyy	1.81	11	eP	PN	14 06 20.6 +0.9		UGL	comp=N,86um,14.0s		MLR	MLR	14 10 17.6	+1.3	MAJO	comp=Z,89um,23.0s	MLR	MLR	
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11	eP	PN	14 06 24.5 +1.1		UGL	comp=N,86um,14.0s		MLR	MLR			MAJO	Matushiro	19.84 232	eP	P
KRMR	Karymshinskiy	2.08	11																

28d 14h

Table with columns for station code, name, frequency, power, and signal strength. Includes stations like BRLL, TRF, COLD, BJT, etc.

2013 FEB

Table with columns for station code, name, frequency, power, and signal strength. Includes stations like ZAK, NANJING, BTO, etc.

1976

Table with columns for station code, name, frequency, power, and signal strength. Includes stations like DGZ, APYP, PALP, etc.

1977

Table with columns for call sign, name, frequency, and other technical details. Includes entries like LLP Sidney, KBC Kingsbay, KBS Kingsbay, etc.

2013 FEB

Table with columns for call sign, name, frequency, and other technical details. Includes entries like UZB Uzynbulak, KEBM Edson Butte, J01E Myrtle Point, etc.

28d 14h

Table with columns for call sign, name, frequency, and other technical details. Includes entries like MTBS Maitube, MTBS Maitube, J05D Fort Rock, etc.



1979

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like PASOC Pasadena Art C, VAF Ylistaro, GWC Mount Wilson, etc.

2013 FEB

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like SWSC Sam W. Stewart, IKP In-Ko-Pah, PDMCI Parker Dam, etc.

28d 14h

Table with columns for station call letters, name, frequency, power, and other technical details. Includes stations like OGNE Ogallala, OGNE Ogallala, OGNE Ogallala, etc.





H47A	Mio	70.99	42	P	P	14 17 02.7	0.0
H46A	Reed City	70.99	43	P	P	14 17 02.8	+0.1
M42A	Sheffield	71.03	47	P	P	14 17 02.3	-0.7
GKP	Gorka Klasztor	71.05	336	eP	SKSac	14 17 02.7	-0.1
GKP				eSKSac	LR	14 17 09.4	+8.8
GKP				LMZ		14 47 15.4	
GKP	Gorka Klasztor	71.05	336	eP		14 17 02.7	-0.1
GKP				e		14 27 09.4	
MME1	Meikle Cairn	71.06	3491	eP	P	14 17 02.5	-0.3
N41A	Harden Midland	71.10	48	eP	P	14 17 03.2	-0.2
N41A	Harden Midland	71.10	48	P	P	14 17 03.2	-0.2
MDO	Dochfour	71.11	3501	iP	P	14 17 03.1	0.0
UGM	Wanagama	71.13	230	eP	P	14 17 04.2	+0.4
UGM	Wanagama	71.13	230	P	P	14 17 05.2	+1.4
LHS1	Lahat	71.25	238	P	P	14 17 05.6	+1.1
CTA	Charters Tower	71.25	191	P	P	14 17 04.7	+0.3
CTA				pmax	pmax		
CTA	Charters Tower	71.25	191	S	S	14 26 16.5	-1.2
CTA				pmax	pmax		
CTAO	Charters Tower	71.25	191	PFake	LR	14 17 20.0	+1.6
CTAO				LR	LR		
H48A	Harrisville	71.28	41	P	P	14 17 04.1	-0.3
L44A	Lake County Fo	71.31	46	P	P	14 17 04.3	-0.2
E51A	G1948 Merrick	71.32	38	P	P	14 17 03.6	-1.1
I47A	Gladwin	71.33	42	P	P	14 17 04.9	+0.2
KPL	Plockton	71.34	3501	eP	Iamb	14 17 04.5	0.0
KPL				Iamb	Iamb	14 17 08.0	
KPL				IAMS_20	IAMS_20	14 42 57.0	
D52A	ZEK Kipawa Sen	71.37	37	P	P	14 17 04.1	-0.8
BEL	Belsk	71.38	333	eP	LMZ	14 17 04.4	-0.4
BEL				LR		14 49 56.1	
BEL	Belsk	71.38	333	eP	MLR	14 17 04.4	-0.4
BEL				MLR			
MASI	Maura Aman, Be	71.38	240	P	P	14 17 06.9	+1.5
J46A	Howard City	71.38	43	P	P	14 17 05.1	+0.1
N42A	Yates City	71.39	48	P	P	14 17 04.7	-0.4
DRUM	Mains of Drumt	71.40	3491	eP	Iamb	14 17 04.8	-0.1
DRUM				Iamb	Iamb	14 17 06.0	
DRUM				IAMS_20	IAMS_20	14 43 42.2	
KLI	Kotabumi	71.41	237	P	P	14 17 05.7	+0.2
KPJ1	Karang Pucung	71.41	232	P	P	14 17 05.8	+0.4
M43A	Waltham Townsh	71.42	47	P	P	14 17 04.9	-0.4
MDS1	Maura Dua	71.45	237	P	P	14 17 05.8	-0.1
I48A	Sherman Twp	71.54	42	P	P	14 17 06.1	+0.1
O41A	Passleys Farm,	71.55	49	P	P	14 17 06.0	-0.1
ANN	Anapa	71.56	319	eP	ePP	14 17 00.3	-5.7
ANN				ePP	ePP	14 17 14.2	-6.6
ANN				e	e	14 17 27.4	
ANN				ePPP	ePPP	14 19 45.4	
ANN				eS	eS	14 21 32.2	
ANN				e	e	14 26 15.3	-5.5
ANN				pmax	pmax	14 27 00.7	
ANN				pmax	pmax		
ANN				pmax	pmax		
ANN				pmax	pmax		
ANN				MLR	MLR		
ANN				MLR	MLR		
SOC	Sochi	71.58	317	eP	ePP	14 17 05.2	-1.0
SOC				ePP	ePP	14 17 19.3	-1.7
SOC				eSP	eSP	14 17 26.2	-0.7
SOC				e	e	14 19 42.0	
SOC				ePPP	ePPP	14 21 32.3	
SOC				eS	eS	14 26 21.3	+0.1
SOC				pmax	pmax		
SOC				MLR	MLR		
TOBO	Tobermory, Bru	71.59	40	P	P	14 17 05.6	-0.7
BLS1	Bandar Lampung	71.63	236	P	P	14 17 06.6	-0.2
S1S1	Saibi	71.65	244	P	P	14 17 08.3	+1.3
F50A	Arnstein	71.66	38	P	P	14 17 07.5	-1.0
WMOK	Wichita Mouna	71.69	57	eP	P	14 17 07.5	+0.5
WMOK	Wichita Mouna	71.69	57	eP	P	14 17 07.5	+0.5
WMOK	Wichita Mouna	71.69	57	eP	P	14 17 07.6	+0.5
N43A	Stutzman Famil	71.71	47	P	P	14 17 06.8	-0.2
P41A	Barry, Barry	71.81	49	P	P	14 17 07.8	+0.2
EDU	Dundee	71.82	3491	iP	P	14 17 07.0	-0.4
J47A	Summer	71.83	43	P	P	14 17 07.8	+0.1
DBJ1	Drumagay	71.85	234	P	P	14 17 08.3	-0.2
E52A	Mattawa	71.85	37	P	P	14 17 06.7	-1.1
K46A	Dorr	71.85	44	P	P	14 17 07.4	-0.4
O42A	Bath	71.87	48	P	P	14 17 07.8	-0.2
M44A	Midewin, Midew	71.88	46	eP	P	14 17 08.1	+0.1
M44A	Midewin, Midew	71.88	46	eP	P	14 17 07.7	-0.4
D54A	Lac Fusel, La	71.88	36	P	P	14 17 07.2	-0.8
POO	Poona	71.89	277	eP	P	14 17 08.3	-0.2
MDRS	Chennai	71.93	269	eP	Iamb	14 17 08.2	+0.5
MDRS				Iamb	Iamb	14 17 10.9	
MDRS				IAMS_20	IAMS_20	14 45 39.1	
HDIL	Hopedale	71.95	47	eP	P	14 17 08.2	-0.3
HDIL				LR	LR		
LWLI	Liwa	71.96	237	P	P	14 17 08.7	-0.2
F52A	Sundridge	72.00	38	P	P	14 17 07.9	-0.8
KLBO	Killbear Provi	72.01	39	P	P	14 17 08.2	-0.6
GNI	Garni	72.05	312	eP	LR	14 17 10.0	+0.7
GNI				LR	LR		
GNI	Garni	72.05	312	iP	P	14 17 09.9	+0.6
GNI	Garni	72.05	312	eP	P	14 17 09.7	+0.4
GNI				pmax	pmax		
GNI				MLR	MLR		
GNI	Garni	72.05	312	P	P	14 17 10.4	+1.1
GNI				P	P	14 17 10.4	+1.1
INVG	SNR=27	72.06	3491	eP	Iamb	14 17 08.6	-0.3
INVG	Invergoldie, C	72.06	3491	eP	Iamb	14 17 10.0	-0.3

INVG	comp=Z,226nm,1.0s	IAMS_20	IAMS_20	14 43 45.2			
I49A	Point Hope	72.11	41	P	P	14 17 09.2	-0.2
KASI	Kota Agung	72.15	237	P	P	14 17 09.0	-0.9
O43A	Sugar Creek Fa	72.16	48	P	P	14 17 09.5	-0.2
L46A	Eue Claire	72.17	45	P	P	14 17 09.6	-0.1
LVV	L'vov	72.19	330	eP	P	14 17 10.1	+0.4
LVV				eS	S	14 26 27.1	-0.8
LVV				MLR	MLR		
K47A	Vermontville	72.21	43	P	P	14 17 09.9	-0.1
P42A	Winchester	72.22	49	eP	P	14 17 09.8	-0.3
P42A	Winchester	72.22	49	P	P	14 17 09.9	-0.2
J48A	Bridge Port	72.22	42	P	P	14 17 10.2	+0.1
M45A	Boilem makers S	72.24	46	P	P	14 17 09.7	-0.4
BMRO	Merriville Lake	72.24	40	P	P	14 17 09.8	-0.3
BUKO	Buck Lake	72.27	38	P	P	14 17 09.5	-0.8
Q41A	Truxton	72.29	50	P	P	14 17 10.7	+0.2
N44A	Piper City	72.30	47	P	P	14 17 10.5	-0.1
PPSI	Pulau Pangani	72.31	242	P	P	14 17 12.1	+1.2
EAB	Aberfoyle	72.33	3491	iP	P	14 17 10.7	+0.2
ALGO	Algonquin Park	72.36	37	P	P	14 17 10.0	-0.9
TUL1	Leonard	72.37	55	P	P	14 17 11.3	+0.2
LAWE	Loch Awe, Argy	72.38	3501	eP	Iamb	14 17 10.9	+0.2
LAWE				Iamb	Iamb	14 17 12.6	
LAWE				IAMS_20	IAMS_20	14 43 26.8	
ESY	Stoney path	72.39	348	iP	P	14 17 10.8	0.0
TASB	TASBURY GDGR	72.42	312	eP	P	14 17 11.8	+0.4
BRCO	Bruce Peninsul	72.43	40	P	P	14 17 11.1	-0.3
J49A	Marlette	72.45	42	P	P	14 17 11.6	+0.2
EDI	Edinburgh	72.45	3491	eP	Iamb	14 17 11.1	-0.1
EDI				Iamb	Iamb	14 17 14.4	
EDI				IAMS_20	IAMS_20	14 47 18.8	
BCA	Borca	72.46	315	eP	P	14 17 10.7	-0.9
BCA	Borca	72.46	315	iP	P	14 17 11.2	-0.4
K48A	Perry	72.48	43	P	P	14 17 12.0	+0.3
BASO	Ashfield	72.53	40	P	P	14 17 11.8	-0.1
N45A	Kentland	72.55	46	P	P	14 17 11.8	-0.2
EAU	Auchinoon	72.56	3491	iP	P	14 17 12.1	+0.3
P43A	Skaggs, Pawnee	72.57	48	P	P	14 17 12.1	-0.1
EBL	Broad Lag	72.58	3491	iP	P	14 17 12.1	+0.1
M46A	Old House Fiel	72.62	45	P	P	14 17 12.4	-0.1
RUE	Ruedersdorf	72.64	338	eP	Iamb	14 17 12.1	-0.2
RUE				Iamb	Iamb	14 17 14.3	
O44A	Mansfield	72.66	47	P	P	14 17 12.5	-0.2
Q42A	Golon Eagle	72.66	49	P	P	14 17 12.9	+0.2
BWL	Walkerton	72.66	40	P	P	14 17 12.6	-0.1
L47A	Sherwood	72.68	44	P	P	14 17 12.4	-0.4
PGBU	Gleniferbraes	72.72	3491	eP	Iamb	14 17 12.8	0.0
PGBU				Iamb	Iamb	14 17 14.4	
PGBU				IAMS_20	IAMS_20	14 44 16.5	
R41A	Rosebud	72.73	50	P	P	14 17 13.2	0.0
KWP	Kalwaria Pacia	72.76	331	eP	LMZ	14 17 13.0	-0.2
KWP	Kalwaria Pacia	72.76	331	eP	MLR	14 17 13.0	-0.2
KWP				MLR	MLR		
SIM	Simferopol	72.77	322	iP	iPP	14 17 12.6	-0.7
SIM				eS	eS	14 17 43.0	+9.0
SIM				pmax	pmax	14 31 22.0	+7.8
K49A	Clarkson	72.78	42	P	P	14 17 13.9	+0.4
ABTX	Abilene, Hawle	72.83	59	P	P	14 17 14.6	+0.7
G53A	Halburton	72.83	38	P	P	14 17 13.2	-0.5
SENK	Senkaya-Erzuru	72.84	314	eP	P	14 17 14.5	+0.5
N46A	Monticello	72.86	46	P	P	14 17 13.5	-0.4
PEMO	Perroke	72.90	37	P	P	14 17 13.3	-0.7
SADO	Sadowa	72.92	38	eP	P	14 17 13.0	-1.2
O45A	Potomac	72.93	47	P	P	14 17 14.3	0.0
DZM	Mont Dzumac	72.97	171	eP	P	14 17 16.7	+2.1
DZM	Mont Dzumac	72.97	171	S	SKIKP	14 26 42.2	-0.4
I51A	Listowel	72.97	40	P	P	14 17 14.5	0.0
CCM	Cathedral Cave	72.99	50	eP	P	14 17 14.3	-0.4
CCM	Cathedral Cave	72.99	50	eP	P	14 17 14.3	-0.4
CCM	Cathedral Cave	72.99	50	P	P	14 17 14.5	-0.2
M47A	Cromwell	72.99	45	P	P	14 17 14.4	-0.3
EKA	Eskdalemuir Ar	73.03	349	P	P	14 44 54.8	-5.1
EKA				LR	LR	14 49 48.2	
HHAR	Hobbs	73.03	53	eP	P	14 17 14.5	-0.5
KIS	Kishinev	73.03	326	iP	P	14 19 59.0	+1.8
KIS	Kishinev	73.03	326	ePP	PP	14 17 12.0	-2.8
KIS	Kishinev	73.03	326	iP	P	14 17 30.0	
KIS				i	i	14 19 59.0	
KIS				ePPP	ePPP	14 21 38.0	
KIS				eS	eS	14 26 29.0	-8.6
KIS				eS	eS	14 27 14.0	
KIS				ePS	ePS	14 27 30.0	+1.5
KIS				pmax	pmax		
KIS				pmax	pmax		
KIS							

28d 14h

Table with columns for location, time, and status. Includes entries like TORO Toronto-Lesli, ALFO Alfred, DRWO Darlington Wes, etc.

2013 FEB

Table with columns for location, time, and status. Includes entries like H56A Elgin, P47A Martinsville, TESR Tesanci, etc.

1982

Table with columns for location, time, and status. Includes entries like U44A Velka Javorina, FRNY Flat Rock, KOLC Kolacno, etc.



28d 14h

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like MOTA Moosalm, U52A Thorn Hill, VML2 Millersville, etc.

2013 FEB

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like BSY Bisya, YURE YUREGIR, BBL5 Lazli&263iR, etc.

1984

Table with columns: Call Sign, Name, Frequency, Mode, Power, and other details. Includes entries like Z52A Williamson, KNT Kendrickon, KNT Kendrickon, etc.

1985

Table with columns: ID, Name, Time, Frequency, Modulation, and other parameters. Includes entries like X57A Johnson Farm, PHNC Paralamini, AYDB Zeytinokoy-Aydi, etc.

2013 FEB

Table with columns: ID, Name, Time, Frequency, Modulation, and other parameters. Includes entries like BAI Bari, NHSC New Hope, JAN Janna, etc.

28d 14h

Table with columns: ID, Name, Time, Frequency, Modulation, and other parameters. Includes entries like ITM Ithomi, 557A Orange Park, DMTO DMTO, etc.



28d 14h

Table with columns for event name, location, time, and status. Includes events like PCAS Casimilo, 06Z2 Marathon, MKAZ Moumakai, PMRV Marv??, KEST Keasa, etc.

2013 FEB

Table with columns for event name, location, time, and status. Includes events like TAU Tasmania Unive, RKT comp=Z,9um,20.0s, IFR IFR, AVE Aveerotes, etc.

1986

Table with columns for event name, location, time, and status. Includes events like PB12 IPOC Station P, PB12 IPOC Station P, NMNC Minye Minye, etc.



28d 16h

Table listing astronomical observations for 28d 16h, including station names, station IDs, and observation details.

2013 FEB

Main table listing astronomical observations for 2013 FEB, including station names, station IDs, and observation details.

1988

Table listing astronomical observations for 1988, including station names, station IDs, and observation details.









28d 18h

2013 FEB

1992

Table with columns: CISE, Cismopet, Garu, 57.48 268 eP, P, 18 17 32.5 -1.3, etc. Lists various locations and their associated data points.

Table with columns: SNEY, SNEY, SNEY, comp=N,380nm,14.7s, LR, LR, etc. Lists various locations and their associated data points.

Table with columns: KMI, Kunming, 71.30 301 eP, P, 18 19 05.7 +1.4, etc. Lists various locations and their associated data points.

1993

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like GTA, SEW, PPLA, PMR, etc.

2013 FEB

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like SCZ2, POKR, M02C, etc.

28d 18h

Table with columns for station call letters, frequency, power, and other technical details. Includes stations like IKP, NV11, F05D, etc.

28d 18h

Table with columns for station call letters, name, frequency, and other details. Includes stations like WMQ, Urumqi, Little Creek, Cedar City, etc.

2013 FEB

Table with columns for station call letters, name, frequency, and other details. Includes stations like YHH, PV19, PV23, East Wray Mesa, etc.

1994

Table with columns for station call letters, name, frequency, and other details. Includes stations like ISCO, Q24A, NRIK, etc.

GEYT	comp=Z,2.2nm,0.8s,baz=76,slow=7.6,SNR=3.5	PP	PP	18 26 53.2	-1.4
KBS Kingsbay	110.84 355	PFAKE LR	LR	18 26 30.0	+1.4
GLMI	comp=Z,870nm,20.0s			18 26 30.0	+1.2
GLMI	111.36 46	PFAKE LR	LR	18 26 30.0	+1.0
HOPE	comp=Z,2.1um,20.0s			18 26 30.0	+1.0
HOPE	112.28 166	PFAKE LR	LR	18 26 30.0	+1.0
AAM	comp=Z,526nm,20.0s			18 26 30.0	+1.0
AAM	112.30 49	PFAKE LR	LR	18 26 30.0	+1.0
LCO	comp=Z,2.1um,19.0s			18 26 30.0	+0.9
LCO	112.39 128	PFAKE LR	LR	18 26 30.0	+0.9
ABPO	comp=Z,860nm,21.0s			18 26 30.0	+0.8
ABPO	112.73 244	PFAKE LR	LR	18 26 30.0	+0.8
ACSO	comp=Z,347nm,20.0s			18 26 30.0	+0.8
ACSO	113.00 51	PFAKE LR	LR	18 26 30.0	+0.8
GOGA	comp=Z,1.1um,22.0s			18 26 30.0	+0.8
GOGA	113.03 58	PFAKE LR	LR	18 26 30.0	+0.8
NNA	comp=Z,2.1um,20.0s			18 26 30.0	+0.7
NNA	113.54 108	PFAKE LR	LR	18 26 30.0	+0.7
LVZ	comp=Z,445nm,21.0s			18 26 30.0	+0.6
LVZ	114.85 342	PFAKE LR	LR	18 26 30.0	+0.6
BCIP	comp=Z,1.1um,21.0s			18 26 30.0	+0.6
BCIP	115.24 85	PFAKE LR	LR	18 26 30.0	+0.6
BLA	comp=Z,598nm,22.0s			18 26 30.0	+0.4
BLA	115.27 54	PFAKE LR	LR	18 26 30.0	+0.4
APA	comp=Z,2.1um,22.0s			18 26 23.1	-2.0
APA	115.42 342	PKIKP pmax	PKIKP pmax	18 26 23.1	-2.0
APA	comp=Z,8.0nm,0.9s			18 26 24.0	-1.8
APA	115.75 337	PKIKP pmax	PKIKP pmax	18 26 24.0	-1.8
KEY	comp=Z,3.1um,18.0s			18 26 40.0	+1.4
KEY	115.78 345	PFAKE LR	LR	18 26 40.0	+1.4
NHSC	comp=Z,3.1um,19.0s			18 26 40.0	+1.3
NHSC	115.80 59	PFAKE LR	LR	18 26 40.0	+1.3
ARAO	comp=Z,2.1um,21.0s			18 26 25.6	-1.3
ARAO	116.30 346	PKIKP PKPDb	PKIKP PKPDb	18 26 25.6	-1.3
ARCS	comp=Z,1.2nm,0.5s,baz=74,slow=1.8,SNR=76			18 26 56.0	-2.6
ARCS	116.70 122	PKIKP PKPDb	PKIKP PKPDb	18 26 56.0	-2.6
LVC	comp=Z,3.1nm,0.9s,baz=170,slow=2.2,SNR=9.7			18 26 40.0	+1.1
LVC	116.70 122	PFAKE LR	LR	18 26 40.0	+1.1
KLMR	comp=Z,846nm,21.0s			18 26 26.3	-1.6
KLMR	116.77 334	PKIKP pmax	PKIKP pmax	18 26 26.3	-1.6
KLMR	comp=Z,1.2nm,0.9s			18 26 28.1	-1.5
KLMR	116.77 334	PKIKP pmax	PKIKP pmax	18 26 28.1	-1.5
CNCC	comp=Z,1.2nm,0.9s			18 26 40.0	+1.0
CNCC	117.51 56	PFAKE LR	LR	18 26 40.0	+1.0
CBN	comp=Z,2.1um,20.0s			18 26 40.0	+1.0
CBN	117.56 53	PFAKE LR	LR	18 26 40.0	+1.0
BINY	comp=Z,2.1um,20.0s			18 26 40.0	+0.9
BINY	117.95 48	PFAKE LR	LR	18 26 40.0	+0.9
MAK	comp=Z,2.1um,22.0s			18 22 47.3	-2.8
MAK	118.18 313	P pmax	P pmax	18 22 47.3	-2.8
MAK	118.18 313	i pmax	i pmax	18 27 29.6	-0.8
MAK	118.18 313	e pmax	e pmax	18 27 43.4	-1.5
MAK	118.18 313	e pmax	e pmax	18 33 21.3	-1.5
MAK	118.18 313	e pmax	e pmax	18 37 31.9	-1.5
MAK	118.18 313	e pmax	e pmax	18 43 58.6	-0.8
MAK	118.18 313	e pmax	e pmax	18 48 19.8	-0.8
MTDJ	comp=Z,1.1um,21.0s			18 26 40.0	+0.7
MTDJ	118.31 75	PFAKE LR	LR	18 26 40.0	+0.7
LONY	comp=Z,533nm,20.0s			18 26 40.0	+0.8
LONY	118.44 45	PFAKE LR	LR	18 26 40.0	+0.8
PRAC	comp=Z,1.1um,21.0s			18 26 33.0	-1.2
PRAC	119.25 92	PKIKP pmax	PKIKP pmax	18 26 33.0	-1.2
GROC	comp=Z,1.1um,21.0s			18 26 33.0	-0.1
GROC	119.35 314	PKIKP pmax	PKIKP pmax	18 26 33.0	-0.1
GROC	119.35 314	e pmax	e pmax	18 27 54.0	-0.1
GROC	119.35 314	e pmax	e pmax	18 33 42.9	-0.1
VRH	comp=Z,1.2nm,0.6s			18 26 33.4	-0.3
VRH	119.65 323	PKIKP pmax	PKIKP pmax	18 26 33.4	-0.3
SCHQ	comp=Z,300nm,0.8s			18 26 33.3	-0.7
SCHQ	119.82 32	PKIKP pmax	PKIKP pmax	18 26 33.3	-0.7
SCHQ	119.82 32	PKIKP pmax	PKIKP pmax	18 36 45.0	-0.2
ZARC	comp=Z,7.2nm,0.9s,baz=147,slow=3.1,SNR=7.3			18 26 33.6	-1.7
ZARC	119.89 88	PKIKP pmax	PKIKP pmax	18 26 33.6	-1.7
ZARC	119.89 88	PKIKP pmax	PKIKP pmax	18 26 33.6	-1.7
LPAZ	comp=Z,1.1um,21.0s			18 26 35.8	-0.4
LPAZ	119.98 116	PKIKP pmax	PKIKP pmax	18 26 35.8	-0.4
LPAZ	119.98 116	PKIKP pmax	PKIKP pmax	18 26 34.9	-1.3
BLTG	comp=Z,4.7nm,0.8s,baz=296,slow=0.6,SNR=9.1			18 26 35.9	+0.2
BLTG	120.45 312	PKIKP pmax	PKIKP pmax	18 26 35.9	+0.2
BLTG	120.45 312	PKIKP pmax	PKIKP pmax	18 26 35.9	+0.2
CHIC	comp=Z,1.1um,21.0s			18 26 36.3	-0.8
CHIC	120.54 91	PKIKP pmax	PKIKP pmax	18 26 36.3	-0.8
CHIC	120.54 91	PKIKP pmax	PKIKP pmax	18 26 36.3	-0.8
GTBY	comp=Z,2.1um,20.0s			18 26 50.0	+1.3
GTBY	120.66 73	PFAKE LR	LR	18 26 50.0	+1.3
LPSR	comp=Z,721nm,20.0s			18 26 35.3	-0.4
LPSR	120.71 326	PKIKP pmax	PKIKP pmax	18 26 35.3	-0.4
GNI	comp=Z,20nm,1.0s			18 26 37.1	+0.4
GNI	120.80 310	PKIKP pmax	PKIKP pmax	18 26 37.1	+0.4
GNI	120.80 310	PKIKP pmax	PKIKP pmax	18 26 37.2	+0.6
ZEI	comp=Z,7.0nm,0.9s			18 26 50.0	+1.4
ZEI	120.86 329	PFAKE LR	LR	18 26 50.0	+1.4
OBN	comp=Z,725nm,20.0s			18 26 34.8	-1.1
OBN	120.86 329	PKIKP pmax	PKIKP pmax	18 26 34.8	-1.1
OBN	120.86 329	PKIKP pmax	PKIKP pmax	18 28 11.7	-0.1
OBN	120.86 329	PKIKP pmax	PKIKP pmax	18 33 37.1	-0.1
VSR	comp=Z,53nm,1.7s			18 26 36.1	-0.5
VSR	121.14 324	PKIKP pmax	PKIKP pmax	18 26 36.1	-0.5
KBZ	comp=Z,4.5nm,0.8s,baz=134,slow=3.0,SNR=16			18 36 41.0	+1.2
KBZ	121.26 315	PKIKP pmax	PKIKP pmax	18 36 41.0	+1.2
KIV	comp=Z,0.8nm,0.8s,baz=109,slow=3.5,SNR=4.2			18 26 50.0	+1.2
KIV	121.35 315	PFAKE LR	LR	18 26 50.0	+1.2
KIV	121.35 315	PFAKE LR	LR	18 26 50.0	+1.2
IGDI	comp=Z,7.0nm,1.0s			18 26 39.0	+1.3
IGDI	121.35 310	i pmax	i pmax	18 26 39.0	+1.3
RUSC	comp=Z,262nm,0.8s			18 26 37.6	-1.2
RUSC	121.39 90	PKIKP pmax	PKIKP pmax	18 26 37.6	-1.2
RESC	comp=Z,1.1um,21.0s			18 26 37.6	-1.2
RESC	121.39 90	PKIKP pmax	PKIKP pmax	18 26 37.6	-1.2
NEY	comp=Z,1.1um,21.0s			18 26 38.1	+0.1
NEY	121.51 314	PKIKP pmax	PKIKP pmax	18 26 38.1	+0.1
EAK	comp=Z,685nm,0.7s			18 26 45.2	+6.8
EAK	121.52 311	i pmax	i pmax	18 26 45.2	+6.8
CLDR	comp=Z,201nm,0.3s			18 26 36.7	-0.8
CLDR	121.77 339	PKIKP pmax	PKIKP pmax	18 26 36.7	-0.8
FIA1	comp=Z,1.1um,21.0s			18 26 36.6	-0.9
FIA1	121.77 339	PKIKP pmax	PKIKP pmax	18 26 36.6	-0.9
FIA0	comp=Z,1.1um,21.0s			18 26 36.6	-0.9
FIA0	121.77 339	PKIKP pmax	PKIKP pmax	18 26 36.6	-0.9
FIAS	comp=Z,1.1um,21.0s			18 26 36.6	-0.9
FIAS	121.77 339	PKIKP pmax	PKIKP pmax	18 26 36.6	-0.9
FINES	comp=Z,1.1um,0.8s,baz=44,slow=1.3,SNR=33			18 26 37.0	+0.6
FINES	121.77 339	PKIKP pmax	PKIKP pmax	18 26 37.0	+0.6

EPOS	comp=Z,5.7nm,1.2s,baz=243,slow=8.4,SNR=3.4			18 26 39.9	+1.0
Posof	121.97 312	i pmax	i pmax	18 26 39.9	+1.0
RAYN	122.18 291	ePKP pmax	ePKP pmax	18 26 39.6	+0.1
RAYN	122.18 291	ePKP pmax	ePKP pmax	18 26 39.6	+0.1
RAYN	122.18 291	ePKP pmax	ePKP pmax	18 26 39.6	+0.1
ARTV	comp=Z,652nm,21.0s			18 26 41.2	+0.9
ARTV	122.63 312	i pmax	i pmax	18 26 41.2	+0.9
DAGI	comp=Z,998nm,0.7s			18 26 41.0	+0.7
DAGI	122.67 312	i pmax	i pmax	18 26 41.0	+0.7
DBOC	comp=Z,227nm,0.7s			18 26 40.4	+0.1
DBOC	122.78 312	i pmax	i pmax	18 26 40.4	+0.1
BCA	comp=Z,605nm,0.8s			18 26 40.5	+0.2
BCA	122.78 312	i pmax	i pmax	18 26 40.5	+0.2
DBAD	comp=Z,754nm,0.8s			18 26 42.4	+1.5
DBAD	122.84 312	i pmax	i pmax	18 26 42.4	+1.5
HOMI	comp=Z,84nm,0.1s			18 26 41.1	-0.1
HOMI	123.12 308	ePKP pmax	ePKP pmax	18 26 41.1	-0.1
SIRT	comp=Z,655nm,0.8s			18 26 40.0	0.0
SIRT	123.30 40	ePKP pmax	ePKP pmax	18 26 40.0	0.0
BATG	comp=Z,655nm,0.8s			18 26 41.3	+0.2
BATG	123.48 336	ePKP pmax	ePKP pmax	18 26 41.3	+0.2
VSU	comp=Z,655nm,0.8s			18 26 43.0	+0.8
VSU	123.89 132	PKP pmax	PKP pmax	18 26 43.0	+0.8
CPUP	comp=Z,12nm,0.8s,baz=268,slow=2.0,SNR=26			18 26 49.6	+6.3
CPUP	124.10 311	i pmax	i pmax	18 26 49.6	+6.3
BAYB	comp=Z,32nm,0.1s			18 26 43.0	-0.8
BAYB	124.22 87	ePKP pmax	ePKP pmax	18 26 43.0	-0.8
SDV	comp=Z,39m,0.7s,baz=122,slow=2.5,SNR=38			18 27 00.0	+1.6
SDV	124.28 87	ePKP pmax	ePKP pmax	18 27 00.0	+1.6
GRTK	comp=Z,987nm,21.0s			18 23 24.4	+5.6
GRTK	124.65 317	e pmax	e pmax	18 23 24.4	+5.6
ANN	comp=Z,114nm,1.6s			18 26 45.5	-0.1
ANN	124.65 317	e pmax	e pmax	18 26 45.5	-0.1
ANN	comp=Z,959nm,22.0s			18 26 45.7	+1.5
ANN	124.66 311	i pmax	i pmax	18 26 45.7	+1.5
EUMZ	comp=Z,230nm,0.2s			18 26 42.9	-0.5
EUMZ	124.83 18	ePKP pmax	ePKP pmax	18 26 42.9	-0.5
NRS	comp=Z,12nm,0.8s,baz=85,slow=7.7,SNR=17			18 26 44.6	-0.1
NRS	125.42 333	e pmax	e pmax	18 26 44.6	-0.1
BOSA	comp=Z,6.9nm,0.8s			18 26 44.7	-0.1
BOSA	125.47 333	e pmax	e pmax	18 26 44.7	-0.1
IDID	comp=Z,15nm,0.9s			18 26 44.5	-0.1
IDID	125.58 333	e pmax	e pmax	18 26 44.5	-0.1
ISAL	comp=Z,8.7nm,0.9s			18 27 00.0	+1.4
ISAL	125.58 333	e pmax	e pmax	18 27 00.0	+1.4
SUR	comp=Z,2.1um,22.0s			18 26 45.5	-0.1
SUR	125.68 333	e pmax	e pmax	18 26 45.5	-0.1
IIGN	comp=Z,13nm,0.7s			18 26 47.5	-0.2
IIGN	125.70 332	e pmax	e pmax	18 26 47.5	-0.2
NACGM	comp=Z,7.2nm,0.9s,baz=281,slow=2.4,SNR=26			18 26 46.4	-0.2
NACGM	126.92 327	ePKP pmax	ePKP pmax	18 26 46.4	-0.2
SIV	comp=Z,6.5nm,0.8s,baz=62,slow=2.2,SNR=27			18 26 46.7	-0.3
SIV	126.92 327	ePKP pmax	ePKP pmax	18 26 46.7	-0.3
NB20	comp=Z,8.2nm,0.8s,baz=33,slow=2.0,SNR=23			18 26 46.9	-0.2
NB20	126.92 327	ePKP pmax	ePKP pmax	18 26 46.9	-0.2
NB2	comp=Z,6.5nm,0.8s,baz=62,slow=2.2,SNR=27			18 26 47.0	-0.3
NB2	126.92 327	ePKP pmax	ePKP pmax	18 26 47.0	-0.3
NB2	126.92 327	ePKP pmax	ePKP pmax	18 26 46.9	-0.2
NB2	126.92 327	ePKP pmax	ePKP pmax	18 26 46.9	-0.2
NB20	comp=Z,6.5nm,0.8s,baz=62,slow=2.2,SNR=27			18 26 46.4	-1.3
NB20	126.92 327	ePKP pmax	ePKP pmax	18 26 46.4	-1.3
AKBS	comp=Z,1.1um,21.0s			18 26 46.4	-1.3
AKBS	126.92 327	ePKP pmax	ePKP pmax	18 26 46.	

28D 18h

PDG	Podgorica	137.30 323	↑IP	PKPpdf	18 27 07.3	-0.2
TTG	Podgorica	137.30 323	ePKPpdf	PKPpdf	18 27 06.9	-0.6
WATA	Walderalm	137.81 334	ePKIKP	PKIKP	18 27 10.1	-0.4
WTTA	Waltenberg	137.84 334	ePKPpdf	PKPpdf	18 27 07.8	-0.8
ABTA	Abfaltersbach	137.84 333	iPKPpdf	PKPpdf	18 27 08.2	-0.3
WLF	Waldersgraben	137.94 340	ePKPpdf	PKPpdf	18 27 07.3	-1.2
WLF	Waldersgraben	140.62 327	ePKPp	PKPp	18 27 08.2	-0.9
MOTA	Moosalm	138.00 334	ePKIKP	PKIKP	18 27 10.3	-0.7
RETA	Reutte	138.03 335	ePKPpdf	PKPpdf	18 27 08.5	-0.4
SQTA	Sankt Quirin	138.05 334	ePKIKP	PKPpdf	18 27 09.7	+0.7
DOU	Dourbes	138.06 342	↑PKIKP	PKIKP	18 27 10.5	-0.2
BFO	Black Forest	138.31 338	ePKIKP	PKIKP	18 27 10.3	-1.1
BFO	Black Forest	138.31 338	LR			
BFO	Black Forest	138.31 338	iPKIKP	PKIKP	18 27 11.9	+0.5
FATA	Feichten	138.41 334	iPKPpdf	PKPpdf	18 27 09.1	-0.6
DAVA	Dametz	138.55 335	ePKIKP	PKIKP	18 27 11.6	-0.5
FUORN	Ofenpass-Fuorn	138.92 334	ePKPp	PKPp	18 27 00.1	
DAVOX	Davos/Dischmat	138.96 335	PKhKp	PKhKp	18 27 02.4	
DAVOX	Davos	138.96 335	PKP	PKPpdf	18 27 11.4	+0.7
TUE	Stuetta	139.43 335	ePKPpdf	PKPpdf	18 27 09.5	-2.1
SENI	Lac Senin/Sane	140.33 337	ePKPpdf	PKPpdf	18 27 11.0	-2.3
CLF	Chambon-Forêt	140.80 343	ePKPpdf	PKPpdf	18 27 11.8	-1.6
AQU	L'Aquila	140.82 327	ePKPp	PKPp	18 27 06.2	
AQU	L'Aquila	140.82 327	ePKHKP	PKHKP	18 27 06.2	
TIP	Timpragrande	140.78 321	ePKPpdf	PKPpdf	18 27 12.6	-1.5
BNI	Bardonecchia	141.66 336	ePKPp	PKPp	18 27 07.9	
BNI	Bardonecchia	141.66 336	ePKHKP	PKHKP	18 27 07.9	
SSB	Saint Saviour	142.28 338	ePKPp	PKPp	18 27 12.8	
VAE	Vaigüera	146.38 320	ePKPpdf	PKPpdf	18 27 19.6	+0.9
VAE	Vaigüera	146.38 320	PKPKP	PKPKPpdf	18 36 28.6	-3.4
CLTB	Caltabellotta	143.95 322	ePKPpdf	PKPpdf	18 27 18.4	+0.7
TAMR	Tamra	146.71 325	ePKPpdf	PKPpdf	18 27 25.7	-0.4
KEST	Kesra	147.50 323	ePKPp	PKPp	18 27 28.9	+0.4
KEST	Kesra	147.50 323	PKPbc	PKPbc	18 27 29.1	+0.6
PBRG	Braganca	148.61 350	ePKPpdf	PKPpdf	18 27 31.0	-0.2
PGAV	Gaveira, Arco	148.69 352	ePKPpdf	PKPpdf	18 27 31.7	+0.2
PGAV	Gaveira, Arco	148.69 352	eLR		19 23 50.0	
PCAB	Cabril	148.91 351	ePKPpdf	PKPpdf	18 27 32.2	+0.2
POLLO	Lamas de Olo	149.20 351	ePKPpdf	PKPpdf	18 27 33.2	+0.4
MIVO	Moncorvo	149.28 350	ePKPpdf	PKPpdf	18 27 33.2	+0.2
MIVO	Moncorvo	149.28 350	eLR		19 18 58.7	
PVRL	Vila Real	149.29 351	ePKPpdf	PKIKP	18 27 33.6	-0.5
PTO	Porto	149.55 352	ePKPpdf	PKIKP	18 27 34.3	-0.3
PVIS	Viseu	149.86 351	ePKPpdf	PKIKP	18 27 35.0	-0.4
ES19	SONSECA Array	149.99 344	ePKPpdf	PKPpdf	18 27 30.2	+0.3
ESDC	Sonsec Array	150.03 344	PKP	PKPpdf	18 27 30.0	+0.1
ESDC	Sonsec Array	150.03 344	PKPbc	PKPbc	18 27 35.3	-0.5
ESDC	Sonsec Array	150.03 344	PKPab	PKPab	18 27 41.7	-0.9
ESLA	Sonsec Array	150.03 344	ePKPbc	PKPbc	18 27 34.7	-0.1
MTE	Manteigas	150.11 350	ePKPpdf	PKPbc	18 27 35.2	+0.1
MTE	Manteigas	150.11 350	eLR		19 22 34.9	
MTE	Manteigas	150.11 350	ePKPbc	PKPbc	18 27 35.1	+0.1
PAB	San Pablo	150.25 345	ePKPbc	PKPbc	18 27 35.8	+0.3
PAB	San Pablo	150.25 345	ePKHKP	PKHKP	18 27 35.8	+0.3
PAB	Casmiño, Conde	150.25 345	ePKPbc	PKPbc	18 27 35.8	+0.3
PCBR	Castelo Branco	150.65 350	ePKPpdf	PKPbc	18 27 36.5	+0.3
PTM	Tomar	151.01 351	ePKPpdf	PKPbc	18 27 37.3	+0.2
PMRV	Marv??o	151.03 349	ePKPpdf	PKIKP	18 27 37.5	-0.3
PMRV	Marv??o	151.03 349	eLR		19 23 17.3	
PMTG	Montargil	151.52 351	ePKPpdf	PKPbc	18 27 38.4	+0.1
PESTR	Estremoz	151.61 349	ePKPpdf	PKPbc	18 27 38.6	+0.1
PESTR	Estremoz	151.61 349	ePKPbc	PKPbc	18 27 38.1	-0.4
PMAFR	Mafrá	151.79 352	eLQ	LQ	18 27 49.0	
SHEL	Horse Pasture	152.06 197	ePKPbc	PKIKP	18 27 41.0	+0.4
SHEL	Horse Pasture	152.06 197	LR			
PBEJ	Beja	152.48 350	ePKPpdf	PKIKP	18 27 42.0	+1.2
PNCL	Nicolau / Gran	152.51 351	ePKPpdf	PKIKP	18 27 41.0	+0.2
RCBR	Riachuelo	152.54 126	ePKPbc	PKPbc	18 27 40.9	-0.5
RCBR	Riachuelo	152.54 126	ePKPbc	PKPbc	18 27 40.1	-0.5
MESJ	Messejana	152.72 350	ePKPpdf	PKPpdf	18 27 33.5	-0.5
MESJ	Messejana	152.72 350	AMS	AMS	19 42 07.9	
MESJ	Messejana	152.72 350	ePKPpdf	PKPpdf	18 27 34.9	+0.9
MESJ	Messejana	152.72 350	ePKIKP	PKPpdf	18 27 33.3	-0.5
PVAQ	Vaqueiros	153.06 349	ePKPpdf	PKIKP	18 27 42.8	+0.8
PTEO	Sao Teotónio	153.09 351	ePKPpdf	PKIKP	18 27 42.0	0.0
PBDV	Barranco-do-Ve	153.25 349	ePKPpdf	PKIKP	18 27 43.4	+1.0
MORF	Marmelete	153.31 351	ePKPpdf	PKPpdf	18 27 33.8	-1.1
MORF	Marmelete	153.31 351	AMS	AMS	19 40 42.4	
MORF	Marmelete	153.31 351	ePKPpdf	PKIKP	18 27 43.1	+0.5
MORF	Marmelete	153.31 351	ePKIKP	PKPpdf	18 27 33.8	-1.1
MORF	Marmelete	153.31 351	ePKPpdf	PKPpdf	18 27 37.1	+2.0
MDT	Midelt	156.59 340	PKP	PKPpdf	18 27 39.4	-0.2
MDT	Midelt	156.59 340	PKPab	PKPab	18 28 06.9	-1.5
TOAO	Torodi Ar. Sit	164.51 280	ePKPpdf	PKPpdf	18 27 46.4	-2.2
TOAO	Torodi Ar. Sit	164.51 280	P	PKPpdf	18 27 50.0	+1.4
TORD	Torodi Ar. Beá	164.51 280	PKP	PKPpdf	18 27 47.8	-0.8
TORD	Torodi Ar. Beá	164.51 280	PKPab	PKPab	18 28 43.0	-0.7
TORD	Torodi Ar. Sit	164.52 280	ePKPpdf	PKPpdf	18 27 47.8	-0.8
TOA1	Torodi Ar. Sit	164.52 280	ePKPab	PKPab	18 28 43.0	-0.7
SACV	Santiago Islan	169.80 66	PKFAKE	LR	18 28 00.0	+7.5
SACV	Santiago Islan	169.80 66	LR			
KIC	Kosan Boka	169.80 244	ePKIKP	PKPpdf	18 27 51.9	-0.7
KIC	Kosan Boka	169.80 244	ePKP	PKPab	18 29 07.1	+0.2
LIC	Lamto	169.99 243	ePKIKP	PKPpdf	18 27 52.0	-0.7
LIC	Lamto	169.99 243	ePKP	PKPab	18 29 07.8	0.0
DBIC	Dimbokro	170.04 246	ePKPpdf	PKPpdf	18 27 51.4	-1.2
DBIC	Dimbokro	170.04 246	ePKPab	PKPab	18 29 08.4	+0.4
DBIC	Dimbokro	170.04 246	PKP	PKPpdf	18 27 52.1	-0.5
DBIC	Dimbokro	170.04 246	PKPab	PKPab	18 29 08.4	+0.4
DBIC	Dimbokro	170.04 246	PKP	PKP	18 32 54.4	-3.6
TIC	Toumoudi	170.17 245	ePKIKP	PKPpdf	18 27 52.1	-0.7
TIC	Toumoudi	170.17 245	ePKP	PKPab	18 29 09.2	+0.6

TAP 28 18:12:11.9, 21:36N, 121:38E, h161km, ML3.9,D, Taiwan region

Code	Station Name	Δ°	AZ°	Phase ID	Time Res
LAY	Lan-yu	0.78	330	eP	18 12 35.9
LAY	Lan-yu			eS	18 12 55.5
TSEB	Hengchun, Pin			eP	18 12 39.7
TSEB	Hengchun, Pin			eS	18 13 00.7
TWBT	Hengchun	1.23	298	eP	18 12 40.1
TWBT	Hengchun			eS	18 13 00.8
TWK1	Hengchun	1.23	298	P	18 12 40.2
TWK1	Hengchun			S	18 13 00.8
HEN	Hengchun	1.32	299	eP	18 12 40.3
HEN	Hengchun			eS	18 13 02.1

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TAW	Tawu	1.41 315	P	Pn	18 12 41.2	-0.1
TAW	Tawu		eS		18 13 03.0	-1.1
EAST	Anshuo	1.46 314	P	Sn	18 12 42.0	0.0
EAST	Anshuo		S	Sn	18 13 04.0	-1.1
ECL	Taimali	1.55 323	P	Pn	18 12 42.9	+0.1
ECL	Taimali		S	Sn	18 13 04.7	-2.0
SCZT	Fanliu	1.61 309	P	Sn	18 12 43.1	-0.4
SCZT	Fanliu		S	Sn	18 13 06.5	-1.3
TWGBT	Beinan	1.67 330	eP	Pn	18 12 43.3	-0.7
TWGBT	Beinan		eS	Sn	18 13 07.5	-1.4
TWG	Piniang	1.68 330	P	Pn	18 12 43.8	-0.4
TWG	Piniang		S	Sn	18 13 07.2	-1.8
TWG	Piniang		S	Sn	18 13 07.2	-1.8
SSPT	Xinbi	1.72 311	eP	Pn	18 12 45.0	+0.5
SSPT	Xinbi		S	Sn	18 13 09.6	-0.2
MASBT	Mashibuluo	1.76 315	P	Pn	18 12 45.0	0.0
MASBT	Mashibuluo		S	Sn	18 13 08.9	-1.7
WLSB	Liquiu	1.78 304	eP	Pn	18 12 46.4	+1.2
WLCH	Liquiu		eS	Sn	18 13 13.5	+2.5
TWP	Hsiao-liuchiu	1.79 303	P	Pn	18 12 46.3	+0.9
TWP	Hsiao-liuchiu		S	Sn	18 13 13.7	+2.5
CHKT	Chengkung	1.82 342	eS	Sn	18 13 10.5	-1.3
SSD	Sandimen	1.86 318	P	Pn	18 12 46.6	+0.6
SSD	Sandimen		S	Sn	18 13 11.3	-1.3
FULB	Fuli	1.94 341	eP	Pn	18 12 48.0	+1.0
FULB	Fuli		eS	Sn	18 13 15.3	+1.2
SGLT	Jiuru	1.94 315	eS	Sn	18 13 14.2	+0.2
KAU	Kaoshiung	1.96 308	eS	Sn	18 13 14.8	+0.3
ELDTW	Lidau	2.02 334	eP	Pn	18 12 48.2	+0.2
ELDTW	Lidau		eS	Sn	18 13 14.4	-1.7
SLGT	Liquiu	2.04 323	eP	Pn	18 12 48.5	+0.4
SLGT	Liquiu		eS	Sn	18 13 15.6	-0.6
TWMI	Shoushan	2.05 316	P	Pn	18 12 49.5	+1.3
TWMI	Shoushan		eS	Sn	18 13 17.6	+1.2
SNJT	Kaoshiung City	2.06 313	eP	Pn	18 12 48.6	+0.3
SNJT	Kaoshiung City		eS	Sn	18 13 17.0	+0.5
TWFI	Yuli	2.08 343	eP	Pn	18 12 49.2	+0.6
TWFI	Yuli		eS	Sn	18 13 16.5	-0.6
YULB	Yuli	2.12 343	eP	Pn	18 12 48.9	-0.1
YULB	Yuli		eS	Sn	18 13 17.2	-0.7
STYT	Tauyuan	2.12 328	P	Pn	18 12 49.2	+0.1
STYT	Tauyuan		eS	Sn	18 13 17.4	-0.6
SGST	Jiashan	2.15 323	P	Pn	18 12 50.0	+0.7
SGST	Jiashan		S	Sn	18 13 17.4	-0.9
HGSD	Ruisui	2.1				





28d 20h

Table with columns: Code, Station Name, Az, Phase ID, Time, Res. Includes stations like YJNG, IRIF, JKRS, etc.

WEL 28:19:49:25.4 0.40 S, 177.7 E, h24km, ML3.8/19, Off east coast of North Island

Large table listing station data for the Wellington region, including stations like PXZ, PRHZ, KAHZ, etc.

MEX 28:19:58:57.0 0.6, 166.00N:98.61W, h3km, MD3.8, Off coast of Guerrero

Table listing station data for the Mexico region, including stations like PNIG, OKH, etc.

ISC/JB 28:20:32:00.8-1.0, 19.24N:0.05:64.58W:0.03, h27km, 6km, Error ellipse: s-maj=8.4km s-min=4.6km az=3.2

NEIC 28:20:32:01.0-0.0, 19.14N:64.43W, h58km, ML3.5(RSPR), After RSPR

RSPR 28:20:32:01.8, 19.14N:64.43W, h58km, ML3.5/13

ISC 28:20:31:58.3-1.7, 19.23N:0.08:64.46W:0.04, h13km, 12km, n63, c1528/79, 9C-21D, Virgin Islands

Large table listing station data for the Virgin Islands region, including stations like ABV, AVI, TBVI, etc.

2013 FEB

Table listing station data for the 2013 February region, including stations like SMRT, PDDR, SJG, etc.

ISC 28:20:36:57.5-1.1, 52.05N:142.30E, h0km, mb3.6/8, mb1 3.8/9, mb1mx3.5/57, mbtmbp3.6/9, ML2.5/1, Error ellipse: s-maj=32.1km s-min=20.8km az=165.0

MOS 28:20:36:57.5-1.1, 52.07N:142.12E, h9km, mb4.0/5, Error ellipse: s-maj=18.3km s-min=9.6km az=88.5

SKHL 28:20:36:57.8-0.6, 52.04N:142.06E, h10km, 2km, mb4.4/9, az=170.2

ISC/JB 28:20:36:58.3-0.6, 52.04N:0.02:142.02E:0.05, h12km, 4km, mb3.6/8, Error ellipse: s-maj=5.2km s-min=3.7km az=170.2

ISC 28:20:37:00.1-1.1, 52.07N:0.02:142.16E:0.04, h15km, 8km, n28, c1566/40, mb3.6/8, 2D, Sakhalin Island

Large table listing station data for the Sakhalin Island region, including stations like Code, Station Name, Az, Phase ID, Time, Res.

1998

Table listing station data for the 1998 region, including stations like TEY, BMKR, ZEA, etc.

ISC/JB 28:20:40:23.7-0.5, 40.76N:0.02:19.51E:0.04, h18km, 6km, Error ellipse: s-maj=5.6km s-min=3.9km az=158.7

ATH 28:20:40:23.2, 40.76N:19.65E, h17km, 3km, ML2.5/5, Error ellipse: s-maj=3.1km s-min=2.0km az=278.0

TIR 28:20:40:24.0, 40.70N:19.61E, h10km, MD3.0/6

THE 28:20:40:24.6, 40.68N:19.63E, h10km, 1km, ML2.4/6, Error ellipse: s-maj=2.3km s-min=0.8km az=271.0

BEO 28:20:40:24.3-0.8, 40.92N:19.23E, h0km, ML2.3/4

ISC 28:20:40:23.4-1.0, 40.75N:0.02:19.62E:0.03, h3km, 9km, n50, c1247/78, Albania

Large table listing station data for the Albania region, including stations like Code, Station Name, Az, Phase ID, Time, Res.

1999

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like TNTI Ternate, FITZ Fitzroy Crossi, WR1 Warramunga Arr, etc.

ISCJCB 28 20:45:25.70.6, 39°04N, 0°03:29.71E, 0.04, h4km, 6km, Error ellipse: s-maj=5.4km s-min=5.1km az=35.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GDZ Gediz, GEDZ Gediz, SHAF Saphane-Kutahy, etc.

ISCJCB 28 20:45:55.70.9, 11°54N, 142°18E, h0km, mb3.5/7, mb1 3.8/8, mb1mx3.5/6, mbtm3.6/8, ML3.9/1, Error ellipse: s-maj=33.5km s-min=20.8km az=101.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like GUMO Guam, WRA Warramunga Arr, ASAR Alice Springs, etc.

ISCJCB 28 20:48:23.9.0.4, 38°21'N, 0°02:11.8'W, 0.03, h23km, 5km, Error ellipse: s-maj=4.0km s-min=3.2km az=175.4

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like NV11 Mina Array Sit, NV01 Mina Array Sit, RYNN Ryan, etc.

ISCJCB 28 20:48:23.9.0.4, 38°21'N, 0°02:11.8'W, 0.03, h23km, 5km, Error ellipse: s-maj=5.5km s-min=5.7km az=12.3

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RRSS Black Hills, RSSL Red Lodge, etc.

2013 FEB

Table with columns: RUBR Rubicon Trail, PAHR Pah Rah Range, DAC Darwin (Caif), etc.

ISCJCB 28 20:55:12.4.1.6, 10°49'N, 125°85E, h0km, mb4.0/7, mb1 4.1/7, mb1mx3.6/60, mbtm4.0/7, MS3.2/2, Ms1 3.2/2, ms1mx3.7/35, Error ellipse: s-maj=128.3km s-min=19.2km az=73.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BESS Borongan, BESP BESP, PLP Palo, etc.

ISCJCB 28 20:55:17.8.1, 10°49'N, 126°02E, h9km, MS3.2, Error ellipse: s-maj=15.8km s-min=10.6km az=167.0, h6km, 10km, n24, c2811/31, mb4.1/7, 4C-1D, Philippine Islands region

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like BESP Borongan, BESP BESP, PLP Palo, etc.

ISCJCB 28 21:08:17.7.0.6, 43°70'N, 0°04:105°41'W, 0.06, h0km, Error ellipse: s-maj=6.5km s-min=5.7km az=12.3

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RYNN Ryan, RYNN Ryan, etc.

ISCJCB 28 21:08:17.7.0.6, 43°70'N, 0°04:105°41'W, 0.06, h0km, Error ellipse: s-maj=3.05km s-min=7.7km az=150.0

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RYNN Ryan, RYNN Ryan, etc.

28d 21h

Table with columns: RLMT Pinedale Array, PDAR Pinedale Array, PDAR Pinedale Array, etc.

DDA 28 21:12:34.6, 39°52'N, 26°01'E, h6km, 4km, ML2.7, Error ellipse: s-maj=3.3km s-min=2.4km az=171.8

ISCJCB 28 21:12:35.6, 0.4, 39°52'N, 0°01:25.98E, 0.03, h6km, 3km, Error ellipse: s-maj=3.3km s-min=2.4km az=171.8

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like SGR SIGRI, SGR SIGRI, SGR SIGRI, etc.

ISCJCB 28 21:12:35.6, 0.9, 39°52'N, 0°02:25.98E, 0.02, h10km, 8km, n63, c0659/88, Aegean Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like PRK Paraskavi, PRK Paraskavi, PRK Paraskavi, etc.

ISCJCB 28 21:12:35.6, 0.9, 39°52'N, 0°02:25.98E, 0.02, h10km, 8km, n63, c0659/88, Aegean Sea

Table with columns: Code, Station Name, Δ°, AZ°, Phase ID, Time, Res, ISC, h, m, s, ISC. Includes stations like RDO Rodhopi, RDO Rodhopi, RDO Rodhopi, etc.



WRA	Warramunga Arr	56.72 186	P	P	23 36 39.3	-0.1
1.2nm,0.6s,baz=1.0,slow=7.6,SNR=17						
ASAR	Alice Springs	60.45 186	P	P	23 37 05.5	+0.1
0.7nm,0.8s,baz=10,slow=11,SNR=5.2						
YKA	Yellowknife Ar	54.75 30	P	P	23 37 33.9	+0.2
0.1nm,0.6s,baz=301,slow=6.9,SNR=3.5						
NVAR	Mina Array Bea	76.37 52	P	P	23 38 46.7	+1.4
0.2nm,0.6s,baz=307,slow=6.6,SNR=2.7						
PDAR	Pinedale Array	76.92 44	P	P	23 39 02.4	+2.9
0.5nm,0.9s,baz=270,slow=5.1,SNR=2.4						

GUC 28 23:27:12.4±0.7,29°14'Sx71°32'W,h80km,12km,ML3.7

SJA 28 23:27:12.8±0.7,29°25'Sx71°55'W,h10km,71km,ML3.4,

MW3.3

ISC 28 23:27:07.3±1.28°9'S±0°06'±71°9'W±0°11',h7km±14km,n17,

±28/22,1C-3D,Near coast of central Chile

Code	Station Name	Δ° AZ°	Op	Phase ID	Time	Res
					h m s	ISC
LCO	Las Campanas	1.06 91	eP	Pg	23 27 28.3	+0.4
LCO			eS	Sg	23 27 39.8	-1.9
LCO	Las Campanas	1.06 91	iP	Pg	23 27 28.2	+0.4
LCO			iS	Sg	23 27 39.7	-1.9
LCO				IAML	23 27 41.7	
comp=N,3um,0.4s						
GO04	Tololo Observa	1.53 141	eP	Pn	23 27 34.9	-0.4
GO04			eS	Sg	23 27 51.5	-4.9
GO03	Copiap	2.03 47	iP	Pn	23 27 42.8	+0.7
GO03			iS	Sn	23 28 06.5	+1.3
CMCH	Combarbala	2.31 160	eP	Pn	23 27 46.5	+0.5
CMCH			iS	Sn	23 28 11.7	-3.0
CMCH				IAML	23 28 29.0	
comp=E,1um,0.5s						
AROD	Rodeo	2.43 119	eP	Pn	23 27 50.0	+2.2
AROD			eS	Sn	23 28 17.6	-0.3
ACDV	Cuesta del Vie	2.70 116	eP	Pn	23 27 53.8	+2.4
ACCO	Cerro Coronel	2.94 123	eP	Pn	23 27 57.9	+3.0
AMOG	MOGNA	3.55 124	eP	Pn	23 28 06.4	+3.5
RTL5	Leoncito	3.60 142	eP	Pn	23 28 06.9	+3.1
RTL5				IAML	23 29 02.2	
comp=Z,101nm,0.5s						
RTL5	Cerro Villicun	3.78 129	IAML		23 29 07.9	
comp=Z,120nm,0.4s						
AUSP	Uspallata	3.89 147	eP	Pn	23 28 10.7	+2.8
RTCV	Cerro Valdivia	4.08 135	eP	Pn	23 28 12.5	+2.2
ASAL	Salagasta	4.46 144	eP	Pn	23 28 18.5	+3.0
CLCH	Cerro Calan	4.55 165	eP	Pn	23 28 17.9	+1.2
CLCH			iS	Sn	23 29 07.5	-2.4
APLL	PUNTA DE LOS L	4.89 108	eP	Pn	23 28 22.4	+1.0
APLL				IAML	23 29 40.5	
comp=Z,30nm,0.7s						
CYA	Choya	5.40 86	eP	Pn	23 28 29.6	+1.3
CYA				IAML	23 28 37.6	
comp=Z,15nm,0.4s						

SOME 28 23:37:02.5,40°33'N-77°60'E,h0km

NNC 28 23:37:02.5±2.9,40°23'N-77°34'E,h0km,mb3.2,mpv2.9,

Error ellipse: s-maj=20.7km s-min=18.0km az=107.0

KRNET 28 23:37:03.6±0.1,40°23'N-77°43'E,mb2.6

ISC 28 23:37:04.4±2.4,40°22'N±0°17'±77°30'E±0°06',h10km,n30,

±161/50,8C-16D,Kyrgyzstan-Xinjiang border region

Code	Station Name	Δ° AZ°	Op	Phase ID	Time	Res
					h m s	ISC
NRN	Naryn	1.55 321	iP	Pb	23 37 33.5	0.0
NRN	baz=18		iS	Sg	23 37 56.6	+2.2
KDJ	Kajisey	1.90 357	iP	Pg	23 37 39.6	-1.2
KDJ	baz=55		iS	Sg	23 38 05.2	-0.2
ULHL	Ulahol	2.16 339	iP	Pb	23 37 43.7	-0.1
ULHL	baz=36		iS	Sb	23 38 12.7	+1.9
PRZ	Przheval'sk	2.40 20	iP	Pb	23 37 45.8	-2.0
PRZ	baz=18		iS	Sb	23 38 16.8	-0.6
KZA	Kyzart	2.41 321	iP	Pb	23 37 47.8	-0.3
KZA	baz=19		iS	Sb	23 38 19.5	+1.5
BOOM	Booms koye usch	2.48 336	iP	Pb	23 37 48.0	-1.1
BOOM	baz=34		iS	Sb	23 38 20.2	+0.4
ARLS	Aral	2.78 307	eP	Pb	23 37 52.8	-1.5
ARLS	baz=6.0		iS	Sb	23 38 28.4	0.0
TNSS	Tian-Shan	2.81 355	Pg	Pb	23 37 55.7	+0.6
TNSS	12nm,0.4s		Lg	Lg	23 38 34.0	
TNSS	Tian-Shan	2.81 355	eP	Pb	23 37 55.7	+0.6
TNSS	7.0nm,0.5s		eS	Sg	23 38 34.0	-0.9
IZV	Izvestkoviy	2.85 350	Pg	Pb	23 37 56.1	+0.6
IZV	11nm,0.6s		Lg	Lg	23 38 34.9	
IZV	Izvestkoviy	2.85 350	eP	Pb	23 37 56.1	+0.6
IZV	4.2nm,0.5s		eS	Sg	23 38 34.6	-1.3
MDOK	Medeo	2.93 356	Pg	Pb	23 37 56.1	-0.8
MDOK	17nm,0.7s		Lg	Lg	23 38 34.5	
MDOK	Medeo	2.93 356	eP	Pb	23 37 56.1	-0.8
MDOK	4.2nm,0.5s		eS	Sb	23 38 34.5	+1.6
TKM2	Tokmak 2	2.97 335	iP	Pb	23 37 57.8	+0.2
TKM2	0.8nm,0.3s		iLg	Lg	23 38 40.0	
TKM2	7.5nm,0.8s		iP	Pb	23 37 54.7	-2.9
TKM2	baz=34		iS	Sb	23 38 32.4	-1.7
KST	Kastek	2.98 341	eP	Pb	23 37 58.5	+0.8
KST	1.6nm,0.3s		eS	Sg	23 38 38.8	-1.4
KBK	Karagaybulak	3.00 325	iP	Pb	23 37 55.5	-2.5
KBK	baz=23		iS	Sb	23 38 33.4	-1.4
KOTS	Kotrybulak	3.00 357	Pg	Pb	23 37 58.3	+0.2
KOTS	11nm,0.4s		Lg	Lg	23 38 38.6	
KOTS	Kotrybulak	3.00 357	eP	Pb	23 37 58.3	+0.2
KOTS	2.1nm,0.4s		eS	Sg	23 38 38.6	-2.3
AAK	Ala-Archa	3.20 320	iP	Pb	23 37 59.2	-2.2
AAK	3.3nm,0.3s		iLg	Lg	23 38 48.5	
DGS	Degeres	3.22 340	Pg	Pb	23 37 59.3	-2.4
DGS	6.2nm,0.8s		Lg	Lg	23 38 40.6	
DGS	Degeres	3.22 340	eP	Pb	23 38 01.4	-0.3
DGS	1.6nm,0.4s		eS	Sb	23 38 43.8	+2.8
KURS	Kuram	3.32 11	Pg	Pb	23 38 02.4	-1.0
KURS	0.4nm,0.2s		Lg	Lg	23 38 45.4	
KURS	Kuram	3.32 11	eP	Pb	23 38 02.4	-1.0
KURS	2.6nm,0.4s		eS	Sb	23 38 45.4	+1.6
AML	Almayashu	3.32 306	iP	Pn	23 38 00.4	+3.6
AML	baz=5.0		iS	Sb	23 38 41.9	-2.3
AML	baz=5.0					

KTBS	Karatobe	3.51 353	Pg	Pb	23 38 05.9	-0.7
KTBS	0.4nm,0.3s		Lg	Lg	23 38 51.9	
KTBS	Karatobe	3.51 353	eP	Pb	23 38 05.9	-0.7
KTBS	0.4nm,0.3s		eS	Sb	23 38 51.8	+2.5
CHKK	Chushkaly	3.62 356	Pg	Pb	23 38 09.6	+1.0
CHKK	0.8nm,0.1s		Lg	Lg	23 38 57.8	
CHKK	Chushkaly	3.62 356	eP	Pb	23 38 09.6	+1.0
CHKK	0.8nm,0.1s		eS	Sg	23 38 57.8	-3.1
MRKS	Merke	3.96 311	eP	Pg	23 38 18.2	-2.1
MRKS	0.9nm,0.2s		eS	Sg	23 39 12.8	+1.3
MRKS	2.5nm,1.0s					

NIED 28 23:53:00,36°10'N-139°90'E,h50km,Mw3.6 Best double couple: M=2.89000x10<sup>14</sup> NP1:φ=236.00000°,δ23.00000°,λ17.00000° NP2:φ=27.00000°,δ70.00000°,λ79.00000° ISCJB 28 23:53:37.8±0.5,36°06'N±0°04'±139°92'E±0°05',h57km,4km,mb3.5/8, Error ellipse: s-maj=7.3km s-min=5.7km bz=150.9

JMA 28 23:53:39.1±0.1,36°09'N±139°86'E,h47km±1km,M3.6 Broadband fault plane solution: P waves. NP1: φ=12.00000°,δ78.00000°,λ80.00000°. NP2:φ=231.00000°,δ15.00000°,λ128.00000°. Principal axes: T P1g56.0000°,AzM270.0000°; N P1g9.0000°,AzM14.0000°; P P1g32.0000°,AzM110.0000°;

JMA Felt II J1, IDC 28 23:53:40.1±1.6,35°89'N±139°82'E,h71km±15km,mb3.3/8,mb1.3,6/9,mb1mx3.3/36,mbtmp3.7/9,MS2.3/1,Ms1.2,3/1,ms1mx2.1/15 Error ellipse: s-maj=24.1km s-min=7.7km bz=63.0

Code	Station Name	Δ° AZ°	Op	Phase ID	Time	Res
					h m s	ISC
JYT	Yasato	0.28 56	iP	Pn	23 53 47.9	+0.3
JYT			S	Sn	23 53 54.2	+0.1
JAG	Ashikaga	0.51 315	iP	Pn	23 53 49.8	-0.1
JAG			S	Sn	23 53 57.5	-0.6
JRY	Ryogami san	0.81 267	iP	Pn	23 53 53.6	-0.2
JRY			S	Sn	23 54 04.1	-0.8
JKT	Katashina	0.87 323	iP	Pn	23 53 54.4	-0.3
JKT			S	Sn	23 54 05.7	-0.8
JOD2	Odawara 2	1.04 220	S	Sn	23 54 11.0	+0.6
JYN	Shimob	1.24 243	iP	Pn	23 54 00.9	+1.3
JFY	Yanaizu	1.34 353	P	Pn	23 54 01.4	+0.4
BSO3	Boso 3	1.36 158	iP	Pn	23 54 01.5	+0.6
BSO3			S	Sn	23 54 18.8	+1.1
JHK	Hiroka	1.37 329	iP	Pn	23 54 01.5	+0.2
MJAR	Matsushiro Arr	1.45 290	Pg	Pb	23 54 01.8	-0.5
MJAR	9.4nm,0.3s,baz=97,slow=9.1,SNR=254		S	Sn	23 54 22.4	+2.3
MJAR	2.9nm,0.3s,baz=152,slow=30,SNR=7.2		LR	LR	23 54 26.4	
MJAR	comp=Z,47nm,19.5s,baz=285,slow=33					
MAT	Matsushiro	1.45 290	P	Pn	23 54 02.8	+0.5
MAT			eS	Sn	23 54 21.8	+1.6
MAT	Matsushiro	1.45 290	P	Pn	23 54 02.8	+0.5
JHJ	Hachio jima 2	2.94 182	P	Pn	23 54 23.4	+0.5
JHJ	50nm,0.3s,baz=332,slow=16,SNR=18		S	Sn	23 54 55.0	-2.0
JHJ	18nm,0.3s,baz=73,slow=19,SNR=5.1					
JNU	Nakatsue	8.00 251	LR	LR	23 59 00.5	
JNU	comp=Z,22nm,19.8s,baz=152,slow=41					
MA2	Magadan	24.56 13	P	P	23 58 55.5	+2.3
MA2	4.2nm,0.4s,baz=106,slow=23,SNR=7.0					
SONM	Songino Array	27.34 306	P	P	23 59 19.2	+0.5
SONM	0.3nm,0.7s,baz=116,slow=9.8,SNR=2.9					
H1N2	WAKE ISLAND Hy	28.75 117	T	T	00 29 28.0	
H1N1	WAKE ISLAND Hy	28.75 117	T	T	00 29 28.0	
H1N3	WAKE ISLAND Hy	28.77 117	T	T	00 29 29.8	
H1S1	WAKE ISLAND Hy	29.41 119	T	T	00 30 26.0	
H1S3	WAKE ISLAND Hy	29.41 119	T	T	00 30 27.7	
H1S2	WAKE ISLAND Hy	29.42 119	T	T	00 30 26.5	
DMPH	Davao City-Mi	31.72 208	eP	P	00 00 06.2	+8.6
DMPH			eS	S	00 00 12.7	-291
ZALV	Zalesovo Beam	41.67 313	P	P	00 01 21.4	-0.5
ZALV	1.3nm,0.6s,baz=94,slow=6.1,SNR=5.2					
MKAR	Makanchi Array	43.61 303	P</			

# ISC Computed Locations for February 2013

